Jesus
LAST DAYS

mobile app case study

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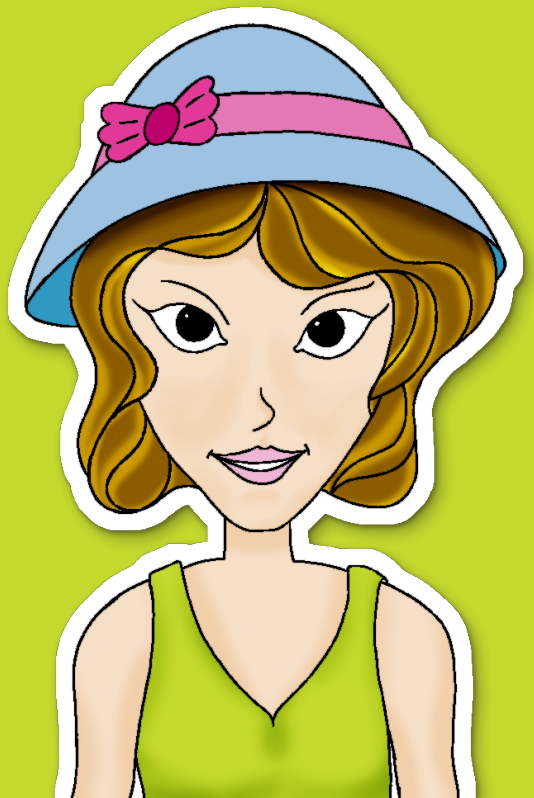
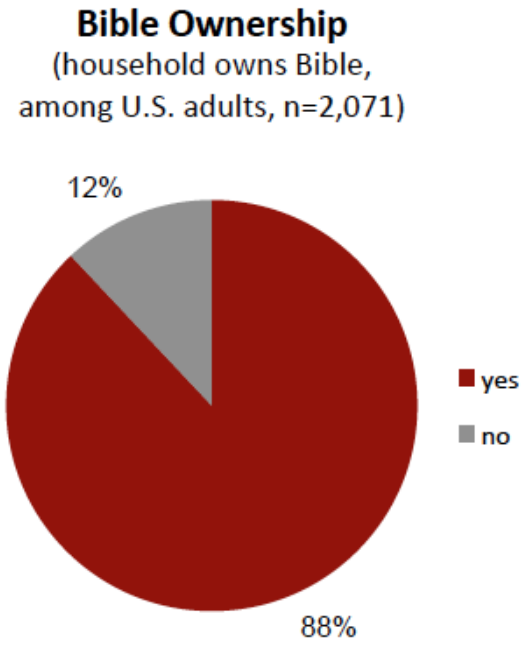
Project Definition



The Problem

In modern times, the bible has proven to be a source of controversy throughout the world. Not only because it is the written accounts of the word of God on earth, but of the history of man since its creation through modern times.

Today, according to polls taken, about 88% of Americans say their household owns a bible, out of which, various groups actually read the bible with varying degrees of consistency. From those that read, or study the bible, many have a hard time understanding, or visualizing how real some of these events were, due in part to the lack of understanding of where and when these events took place.



The Solution

The Last Days Mobile App seeks to help readers understand the verity of the information presented by immersing them in the story of the bible, and specifically, the events surrounding the crucifixion of Jesus Christ.

This app is a great tool for understanding and appreciating the life, crucifixion and resurrection of Jesus Christ by focusing on the last two weeks of his life, the places he visited and historical artifacts from that era. The app will bring the geographical and temporal elements to the foreground so that the reader will always have a bearing of when and where these events took place.

What my app is:	What my app is not:
Functional	Expensive
Clean	Useless
Bright	Hard to use
Emotional	Confusing
Inspirational	
Modern	
Vintage	
Friendly	
Useful	
Motivational	
Inexpensive	
Easy to use	

PROJECT DEFINITION

What the project is:

Informational

Inspiring

Motivational

Kind

Hopeful

Friendly

Inviting

Educational

Easy to understand

Encouraging

What the project is not:

Chaotic

Ill conceived

Un-Christian

Confusing

Influential

Discouraging

Uninformative

Worthless

Project App Benefits:

Informational – the app offers information not easily found

A research tool.

Focuses on the most important event of Christianity

Ease to read and access information

Provides geographic and temporal data

Functional Names:

Bible Reader

Christian Handbook

Crucifixion Explained

Evocative:

Jesus's Last Days

Jesus App

The Cross

The Cross App

Cross Roads

Experiential:

Crucifixion

Crucifixion App

Jesus in the Cross

For Me

Love

In the Heart

Conscience

Sacrifice

In the cross

Invented:

Decision

Point of no return

Committed

Crucible

The Crucible

Alone

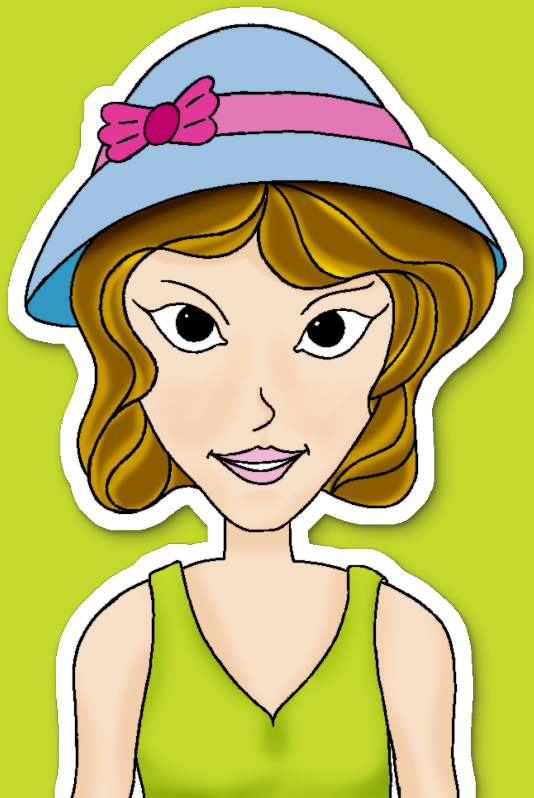
His Love

In the heart

Heart Cross

Heart crucible

Research & Analysis



ACCORDANCE BIBLE

Functionality and Features

Ability to view content from various biblical texts. The application is available on mobile, desktop, and it can be downloaded for free on the iOS app store. Aside from biblical text, sample content is supplied at no cost, however, every additional module is expensive. It allows for in-depth searches and comparisons of biblical text across various languages including Greek and Hebrew. It has the ability to search geographies in 3D and work with the a timeline.

User Requirements

This product is geared specifically to bible students and professionals like pastors and researchers looking to expand their knowledge of biblical subjects.

Strengths and Weaknesses

The strengths of this product lay in that it allows for a line-by-line comparison of biblical text. It has great mapping features as well as creating 3D views of user-selected areas. The interactive timeline allows the user to see any period mentioned in the bible. Weaknesses are in that the user interface is awkward to use and the UI has few hints of interactivity. Selecting additional content is not intuitive.

Content Analysis

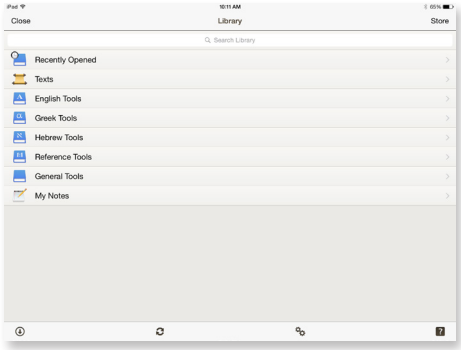
Biblical text comes with the free version, however, additional content including mapping and timelines are expensive to purchase.

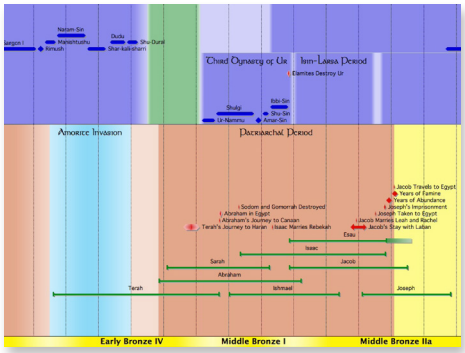
Visual Design

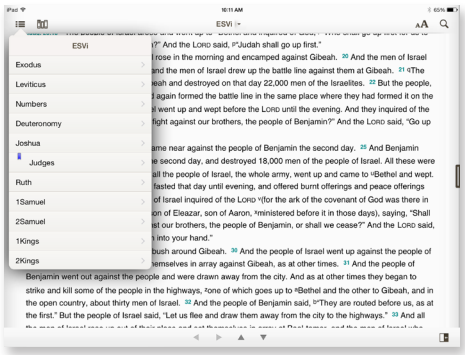
The UI is functional on the desktop, however, it could use some polishing to help the user with navigation. The UI on the iPad app can use an uplift. It uses a minimalist style to its navigation and is difficult to use.

How it relates to my project

It allows for the basic reading and studying of the bible, however, in order to interact with maps and the dynamic timeline you have to purchase expensive add-ons. It offers desktop and mobile apps.







BIBLE MAP APP

Functionality and Features

This is a very simple iOS app.

It's purpose is to allow the user to explore the land according to the places named in the bible.

It allows the user to search for a place, via a list of places and drops a pin on the interactive satellite map. It gives the user ability to select a bible chapter and the map automatically pins the location. By clicking any of the pins on the map, you are able to call up a panel that describes the location and gives biblical references of it.

User Requirements

This web app and iOS app were created for the benefit of those looking to expand their knowledge of bible geolocations.

Strengths and Weaknesses

The strength of this application is in the use of Google maps. The UI is simple and easy to use. It allows the selection of bible chapters and verses while it automatically pins the verse location on the map.

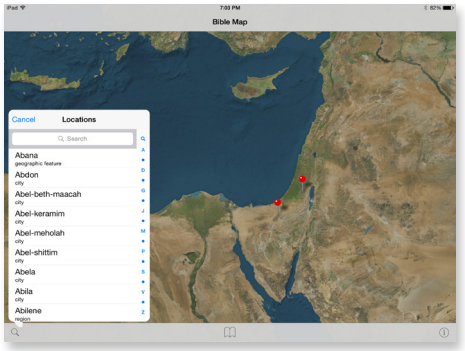
One weakness of this application is perhaps in the UI itself in that it could use a face lift.

Content Analysis

The content of this application is in essence the mapping technology in use, and the look and feel of the maps that allow you to relate bible locations to modern cities and sites.

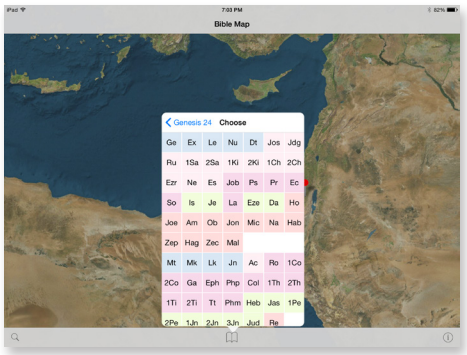
Visual Design

The iOS app with its UI is simple to use. It uses a minimalist navigation system and does not obstruct the view of the map, except when you are reading the bible text; the text pane gets in the way of the map view.



How it relates to my project

The dynamic mapping references the chapter location and pins it to the map. While reading a chapter, clicking on the name of a city, or location, the app drops a pin on the map and zooms in to that location.



BIBLE MAP PLUS

Functionality and Features

This app is simple in the general sense of the word. It contains static maps and timelines.

User Requirements

The app is designed for those in need of bible maps and timelines for reference.

Strengths and Weaknesses

Strength of this app is in its simplicity of use.
Weakness of this app is that it only offers static maps and timelines. The app starts with sample content, but if you want additional maps and timelines you have to purchase them individually or bulk. App does not provide bible text.

Content Analysis

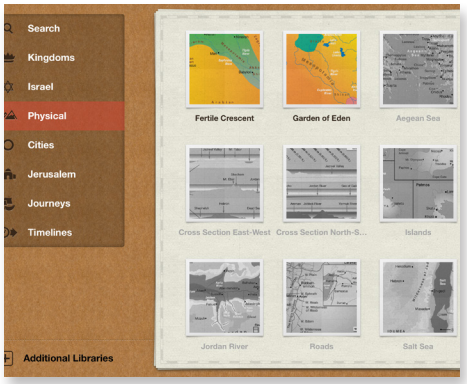
The content of this app is just a supply of static maps and timelines.

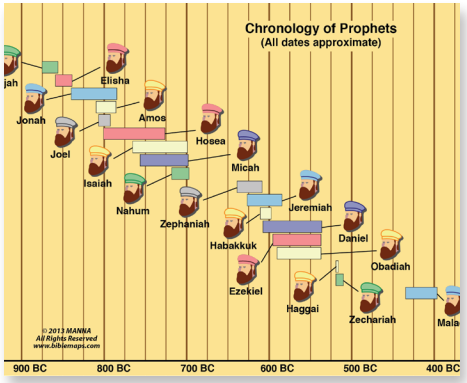
Visual Design

The UI has a good look and feel with its warm brown and tan parchment paper texture, however, the app falls short in limiting the content to just static maps and timelines. The illustration of the maps and timelines are in line with the UI design.

How it relates to my project

The design of the UI is good and traditional as well as the map illustrations.





Functionality and Features

This application sports a modern interface that is easy to use. The navigation is friendly and in-your-face with stylistic icons and a dynamic background. Glo Bible offers dynamic mapping with it's own integrated timeline.

User Requirements

This app offers more than the basic necessity for all those looking to read and study the bible with at least a couple of versions to choose from. Anyone with an interest in bible timeline and geography will find themselves at home with this well designed application.

Strengths and Weaknesses

Strengths are the dynamic maps with integrated timeline that link back to the main text and maps, search field and bookmarking with user friendly navigation. Weaknesses are few. Unable to show maps while reading the bible text.

Content Analysis

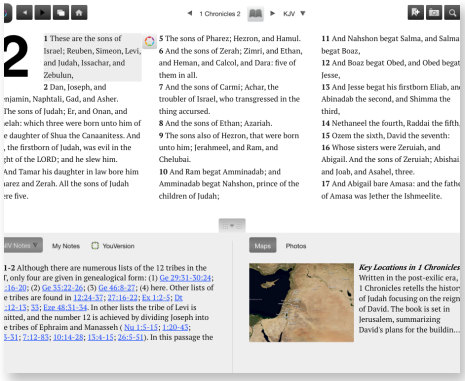
Great quality of dynamic map content combined with art and references associated with the bible. Map locations are dynamic and click-able.

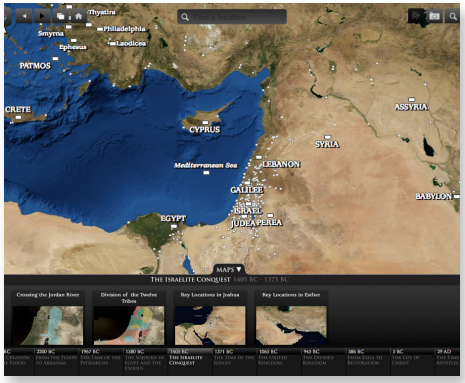
Visual Design

The UI is very modern and dynamic, the dots in the background reposition in reference to hover actions on the main navigation buttons while the background changes to show various backgrounds. The interface is easy on the eyes and provides eye candy throughout.

How it relates to my project

The app provides visual eye candy with appropriate balance of color and functionality. Graphics are easy to understand and over all the UI is simple to use, it provides good transitions and animation. Maps make use of GIS and the app contains dynamic timelines associated with maps and bible text. Desktop and mobile versions are also available.

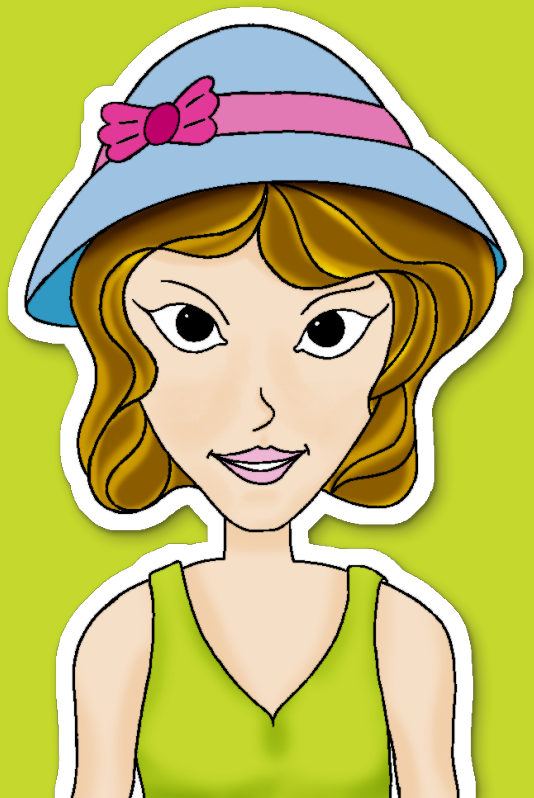




COMPARATIVE ANALYSIS MATRIX

	Accordance	Bible Map App	Bible Map Plus	Glo Bible	Olive Tree Bible	Last Days App
Last Days Specific						✓
Artifact Images						✓
Detailed Accounts						✓
Messianic Prophesies						✓
Easy Navigation		✓	✓	✓		✓
Static Maps			✓		✓	✓
Static Time-line			✓		✓	✓
Dynamic Maps	✓	✓		✓		✓
Dynamic Time-line	✓			✓		✓
Link Bible Text to Map		✓		✓		✓
Link Bible Text to Time-line			✓	✓		✓
Search	✓	✓		✓	✓	✓
User Friendly		✓	✓	✓		✓
Mobile Version	✓	✓	✓	✓	✓	✓
Printable						✓
Bookmarking				✓	✓	✓
Sharing				✓		✓
Journaling				✓	✓	✓

Target Audience



UNIQUE POSITIONING STATEMENT

The Crucifixion Mobile App is designed for bible readers that wish to enhance their knowledge and understanding about the Crucifixion and Resurrection of Jesus Christ. Readers will be able to study the last two weeks of his life and the places he visited by cross-referencing to biblical text in an immersive dynamic context. Users will be presented with textual and graphical content that links them to a glossary of references about the prophecies that were fulfilled by Jesus.

To my knowledge, there is no mobile app to date that specifically leads readers through the last two weeks of the life of Jesus Christ and presents them with the information in a format that is easy to use, comprehend and is also linked a timeline and GIS components. Other apps have separate components.

The Crucifixion Mobile App presents users with biblical content, a timeline of events and a GIS component, all in an interlinked, dynamic, easy to use and comprehend User Interface that no other app has explored up to now.

USER PROFILE

The Crucifixion Mobile App will be primarily targeted to users of iOS iPad devices, specifically, users of 31 to 49 years of age, or Gen-Xers that have an interest in learning more about the detailed accounts of the crucifixion, resurrection and ascension of Jesus Christ.

Other users will benefit from the app by reading about the history of the crucifixion and the historical events that led to it. Users will be able to download the app from their platform specific store, or by linking from the app's web page.

Demographic Information

Age: 31-49 year old

Gender: Male and Female

Schooling: Trade, College, University

Psychographic Information

Cooking, Family Matters, Sports, Movies, Concerts

Motivation

The Bible brings me closer to God

PRIMARY USER

Name: Angela Smith

Age: 31

Gender: Female

Education: High School Diploma

Motivation:

Angela is a single mother of a beautiful baby boy. She works 9-5 weekdays and picks up her baby from her sister's at the end of the day. She was brought up in a Christian home and wants to impart good Christian values to her son.

"When I read the bible, I try to understand the passages and I am left with some unanswered questions. I then turn to my bible for help."

Name: John Reed

Age: 35

Gender: Male

Education: College Graduate

Motivation:

John is a single parent, college graduate that works hard to support his daughter Mattie.

He understands the complexities of todays life and wants to provide a good education and Christian upbringing to Mattie.

"I have always been curious about the verity of the events in the bible and how they relate to actual events. Specifically, I want to understand events relating to the crucifixion, how and why."

Name: Martha Johnson

Age: 39

Gender: Female

Education: College Graduate

Motivation:

Martha is a wife and mother of two children. She attends church and reads the bible regularly. She enjoys talking with people about the bible and wants to learn more about the scriptures.

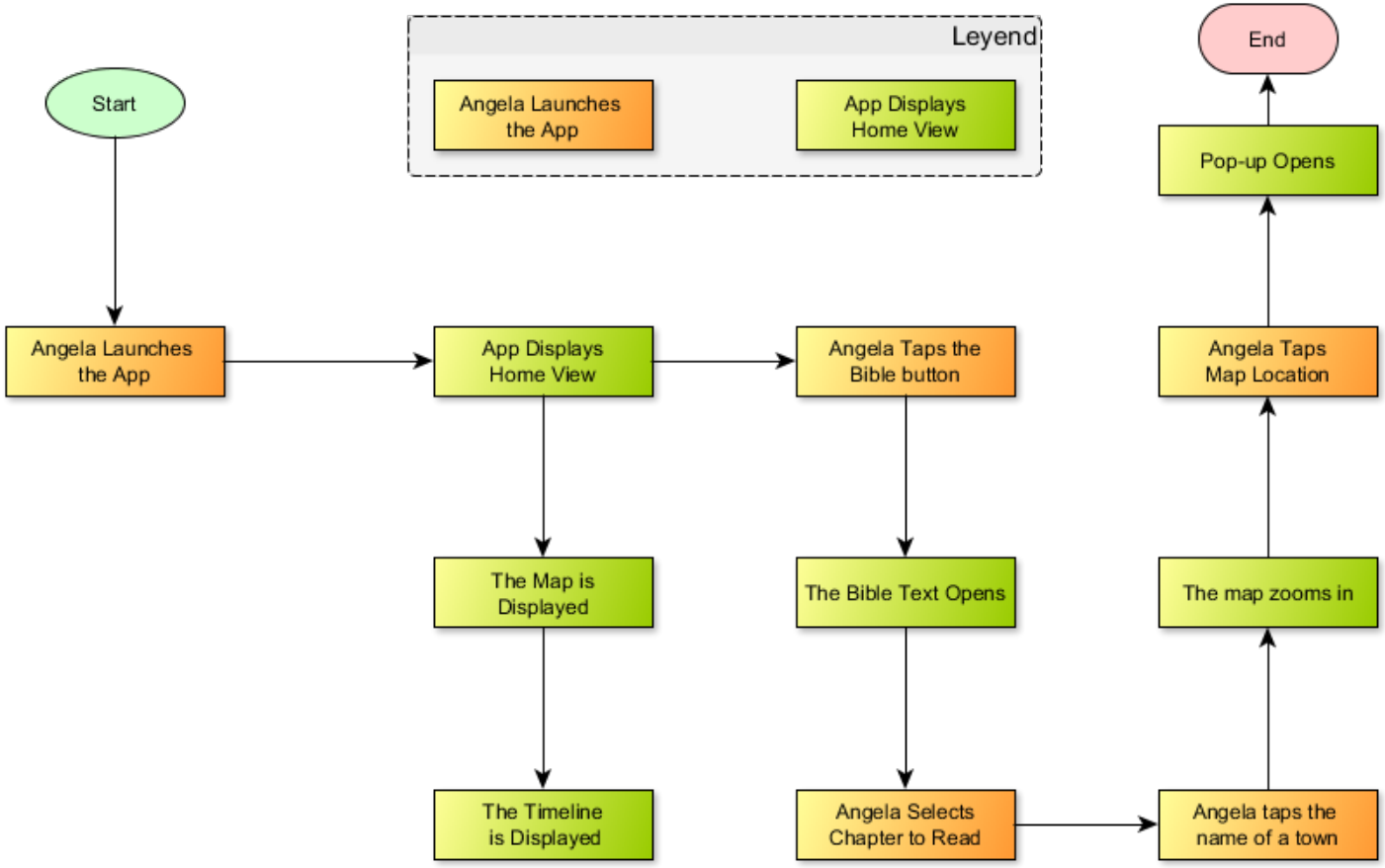
"There are times when I immerse myself in the events as I read the bible and imagine the accounts as if I were there. It would be nice to have a tool that could help me visualize the accounts I read about in better detail."

PRIMARY USER - USE CASE

Angela, a single mother, works 9-5 and picks her son at her sister's at the end of her shift. She is a Christian woman that wants to impart good Christian values to her son.

When she reads about Jesus Christ, she wants to see the places he visited and follows the reading on the map that shows the names of towns. She clicks a button that overlays todays map over the antiquity map so that she can get a visual reference to the cities of today.

Angela uses her tablet to read and study the bible.



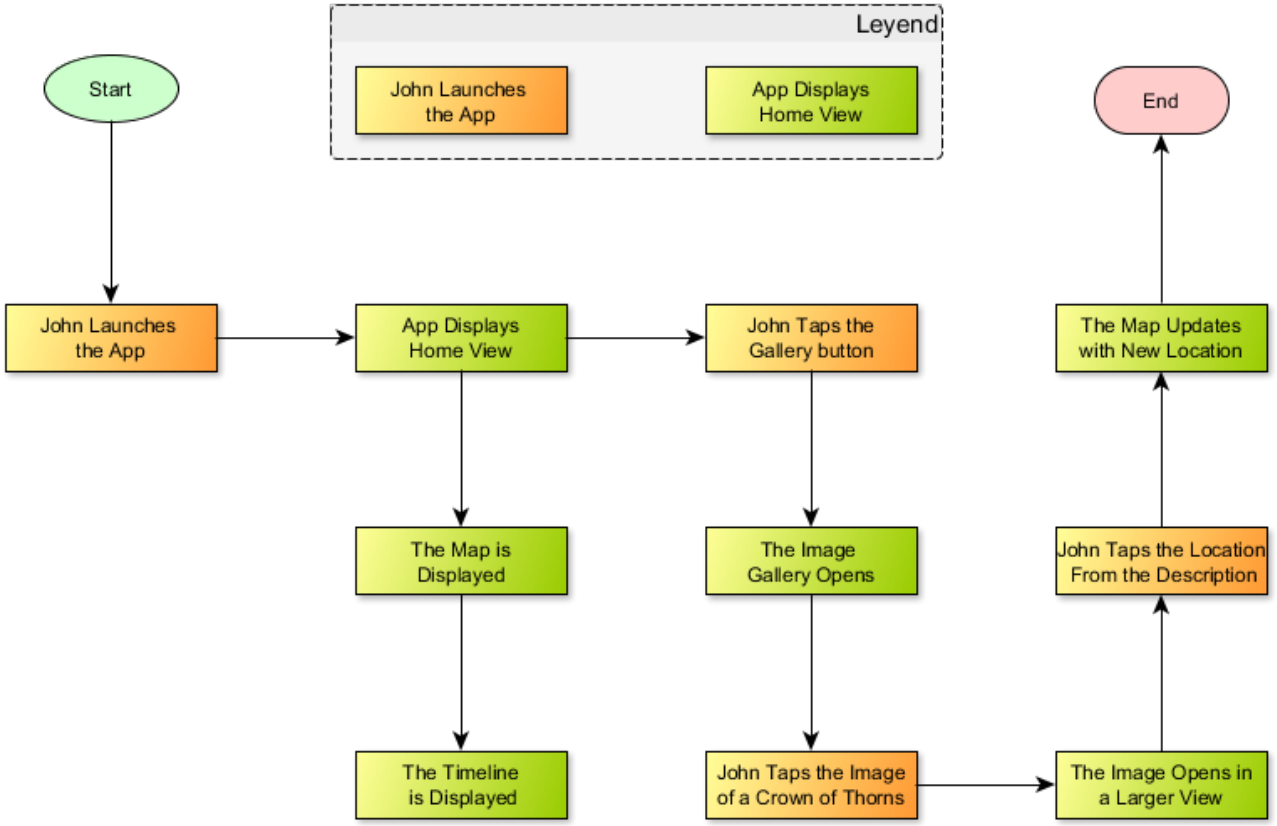
SECONDARY USER - USE CASE

John is a single parent, college graduate that works hard to support his daughter Mattie.

He understands the complexities of todays life and wants to provide a good education and Christian upbringing to Mattie.

When John reads about the crucifixion, he tries to imagine the effects of the punishments of the crucifixion on the body and looks for evidence of such, like the nails that were used at the time among other artifacts.

John uses his ipad to read the bible.

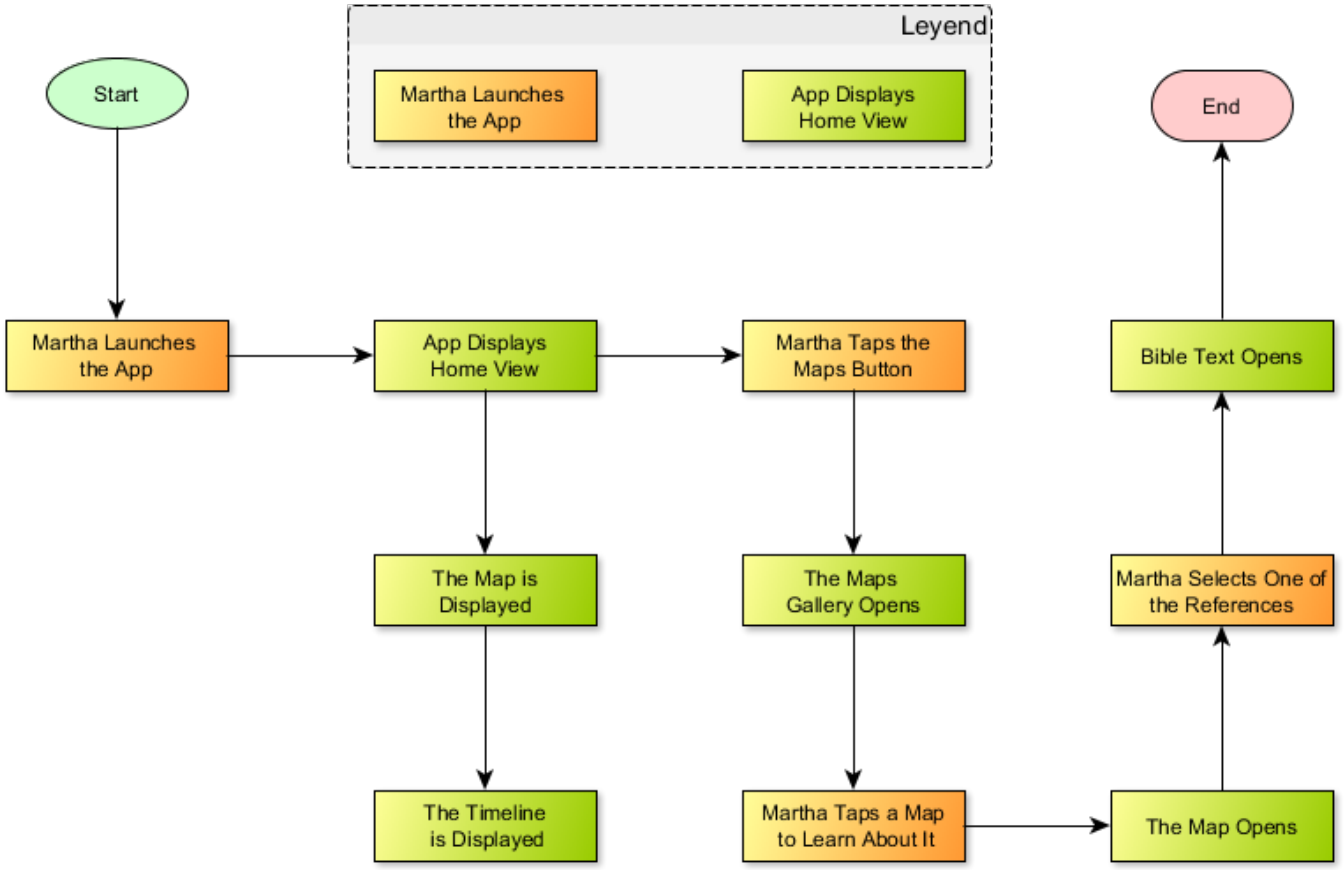


TERTIARY USER - USE CASE

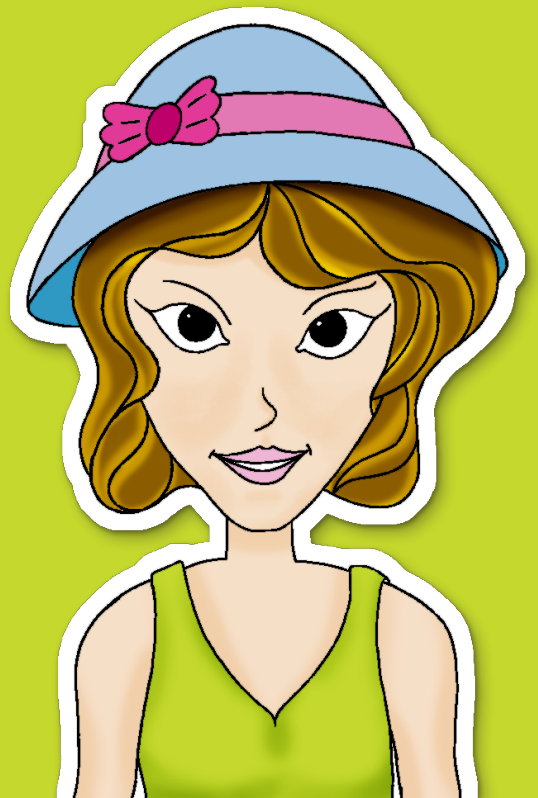
Martha is a wife and mother of two children.

She attends church and reads the bible regularly and enjoys talking with people about the bible and wants to learn more about the scriptures.

When she reads the bible, Martha tries to cross reference the locations mentioned in the bible to actual places on a map. When she read about Jesus and his travels, she understands the general area, but has a difficult time relating that to current locations on modern maps.



Inspiration



MAP STYLES

This image conveys the approximate look and feel of an old style map that I hope to achieve in reference to the old style maps.

https://www.pinterest.com/pin/469289223650093062/

Google Maps

This is an example of the Google Maps online that we can all use. It offers decent magnification for free.

ESRI maps

While ESRI maps offer similar capabilities with less zoom, they require some kind of subscription, or commercial account in order to make use of all the features.

ESRI, however, does offer a nice software package that allows for creation of specialized maps called ArcGIS. I will need to explore this option in order to create old style maps for my app.

Google may offer other alternatives which I also need to explore.

One last note I want to make, is that I want to make use of satellite mapping as in the examples above, however, I also want to make use of old style maps that will also be interactive. This will be tricky, but I know it can be done, I just have to learn how.

UI DESIGN

For the UI, I want to make it unobtrusive, yet easy to find and use.

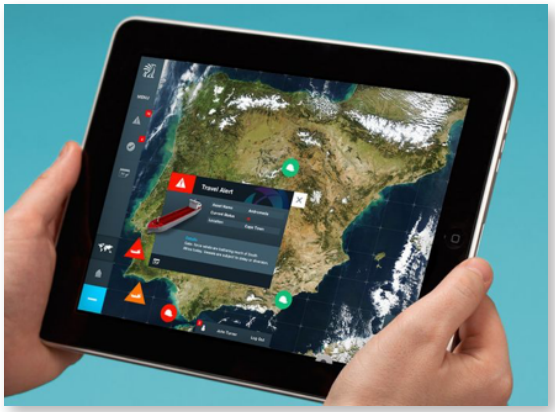
I have some example of app navigation from several sources that called my attention and I am considering making use of similar styles.

Please notice on this example the use of thin buttons for navigation at bottom and top.

https://dnevniboravak.wordpress.com/2012/08/22/ui-ipad-app-design-client-management/

I like this Nike example for the left sided navigation and use of icons. It allows to have good size icons and it gives the view board the most space for content.

http://zurb.com/forrst/posts/Nike_UI_UX-GoF



This is an example of a mapping application that makes use of left sided navigation as in the Nike app, and also utilizes popovers to display additional information.

I like the flat look and feel of this apps navigation, however, I am considering making use of an alternate design as the next example illustrates.

https://www.pinterest.com/pin/469289223650101208/

GLO BIBLE

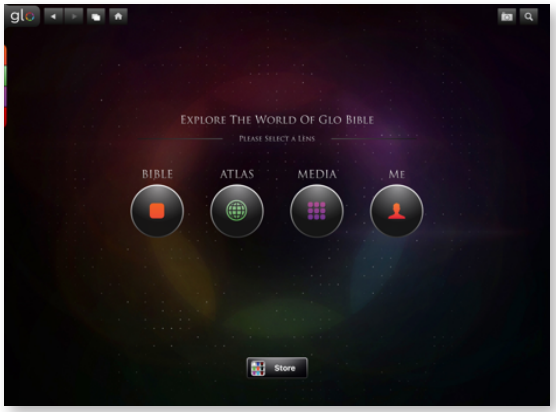
This is an example of a timeline I found. I like the the way it reminds me of a the old black and white show "The Time Tunnel."

I do not think this type of design would work for an iPad UI design, since one of the constraints I have is space and I need to make the details legible for all audiences, however, this type of design is just an idea. I am currently leaning more towards a linear style that scrolls right to left, or if necessary to keep the UI simple, just have labels for the dates with reference to current date.

https://bryannalavon.wordpress.com/2011/11/10/infographics-timeline-of-graphic-design-history/

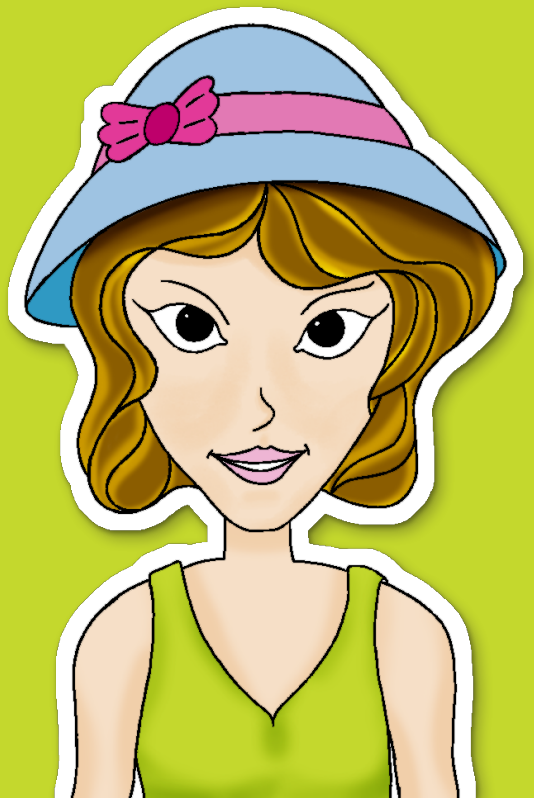
This is an example of the Timeline interface similar to what I am thinking about. This provides me with a starting point for what my apps timeline will look like. However, the UI for this apps timeline lacks legibility and leaves much room for improvement in that area.

I want the timeline on my app to be accessible at all times in conjunction with the bible reading and maps, since that is the premise for my app.



On this screenshot, you will notice that they do not offer the Timeline on their iPad app, but offer fewer options.

Concept & Design



Moodboard
CATEGORIES
Home
Photos
Like
Events
Settings
Options
RECESSION
BALANCE
18%
2,123
educredit
GREAT ARCHITECTURE SCHOOL
GOD
Hope
Jesus
Salvation
sacrifice
chronology
Crucifixion
research
worship
#C4D82D
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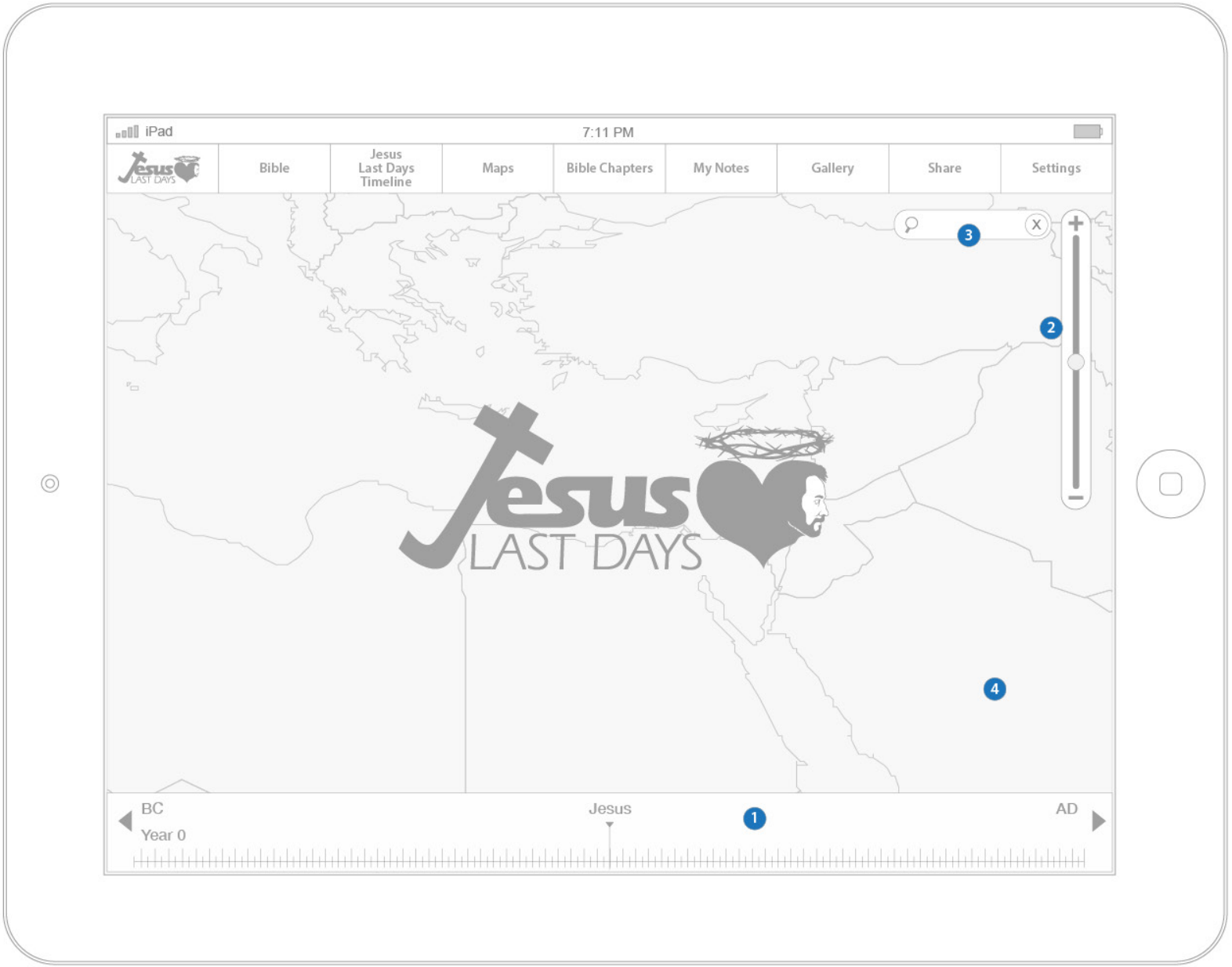
#ACACAC

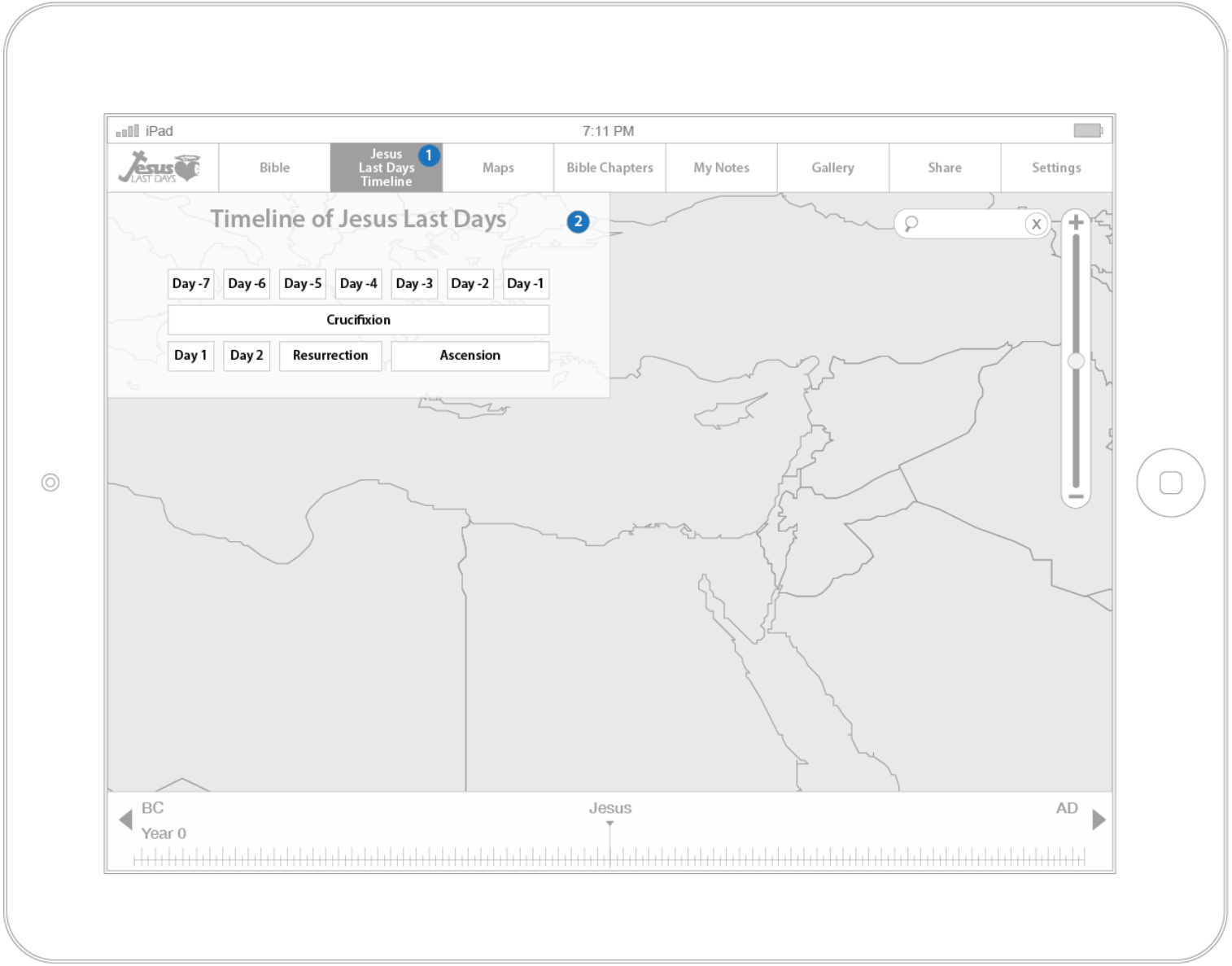


Page 1 - **Home Page**

1. **Main Timeline**
2. **Map Zoom Controls**
3. **Search**
4. **Dynamic Map**

Page 2 - Bible Page

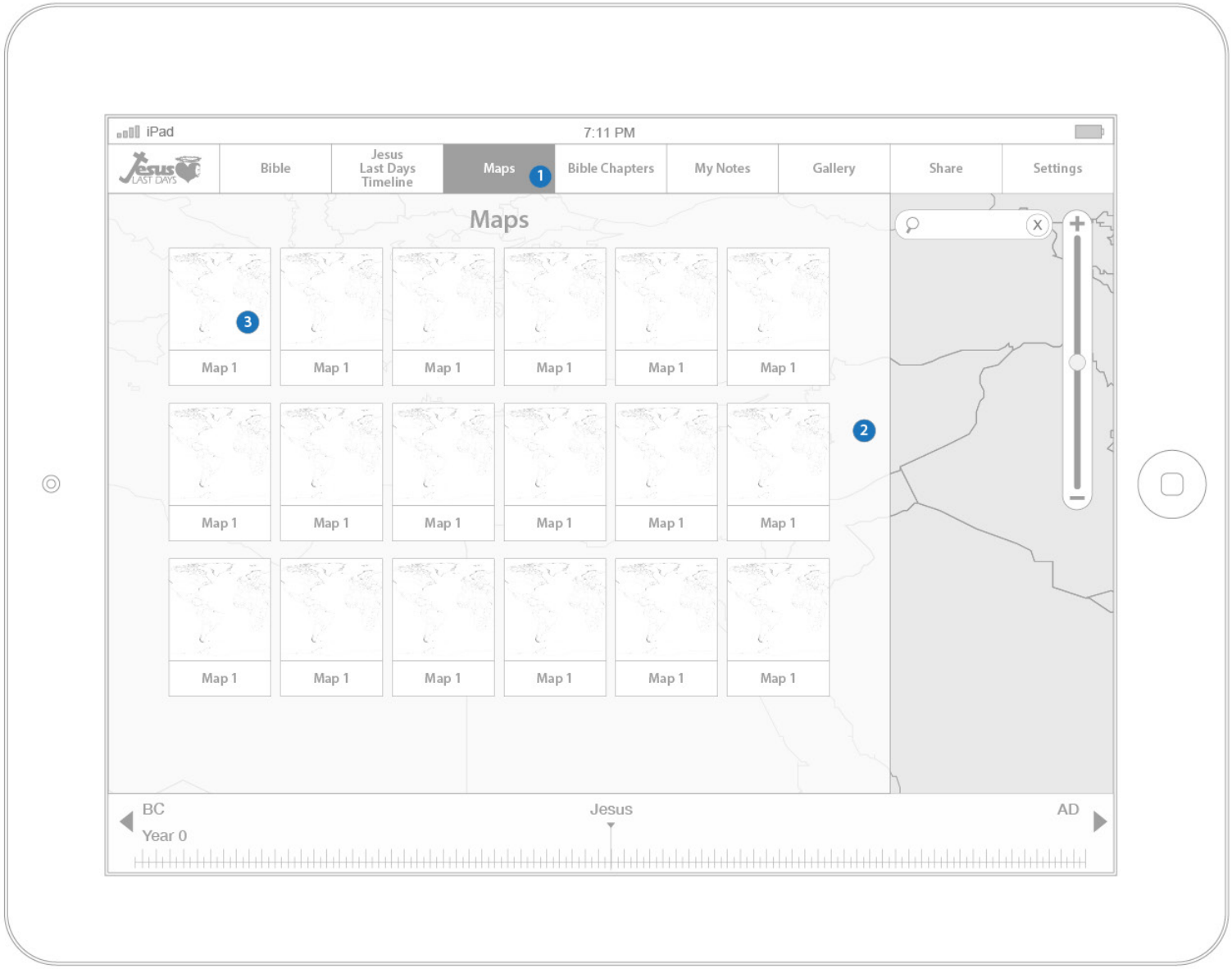
1. **Bible Button**
   Tapping the bible button prompts the bible page to slide down from top.
2. **Bible Page Content**
   Page slides down.
3. **Bible Page Navigation**
   Slides content to previous or next page.
4. **Bible Page Bookmark**
   Bookmarks page.
5. **Bible Page Share Button**
   Allows to share the page to social media.



Page 3 - Last Days Timeline

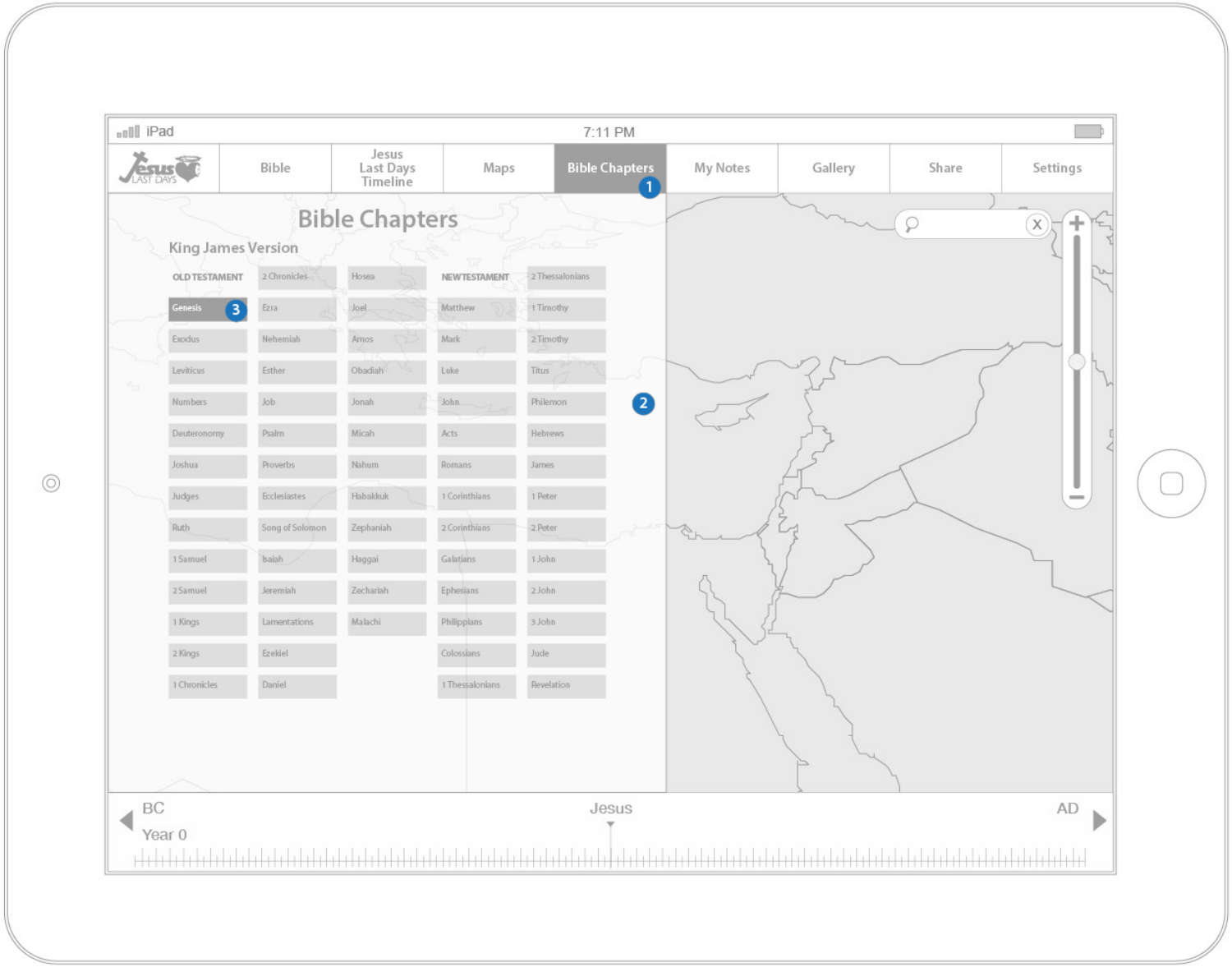
1. **Button Calls the Page**
   Tapping the button casuses the page content to slide down.

2. **Last Days Table of Contents**
   The buttons on this page call specific pages in the bible according to the day selected.



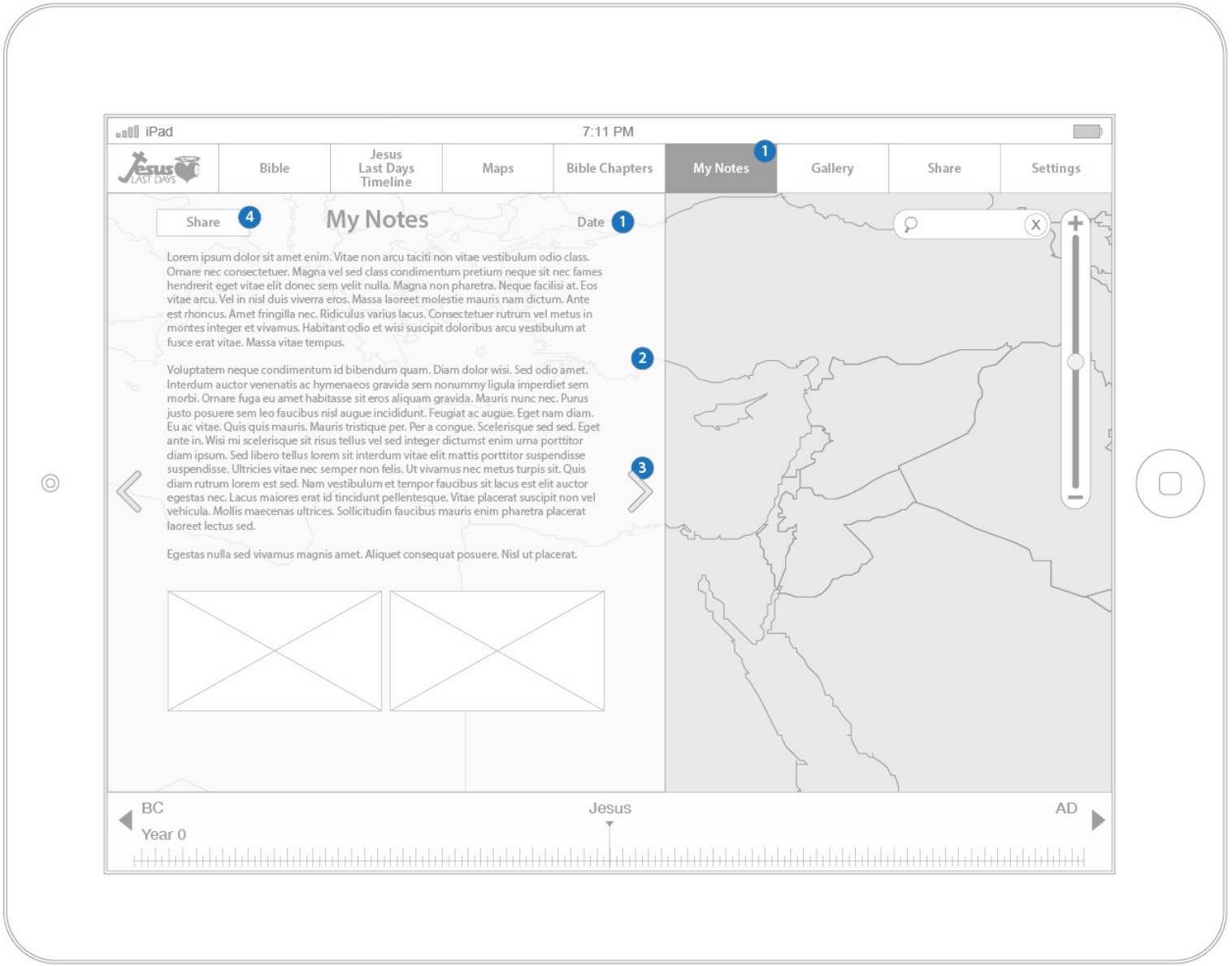
Page 4 - Maps Gallery Page

1. **Button Calls the Maps Gallery Page**
   Tapping the button casuses the maps page to slide down.
2. **Maps Gallery Page**
   Gallery page slides down.
3. **Map Buttons**
   These map buttons, when tapped will display the selected route on the main map.



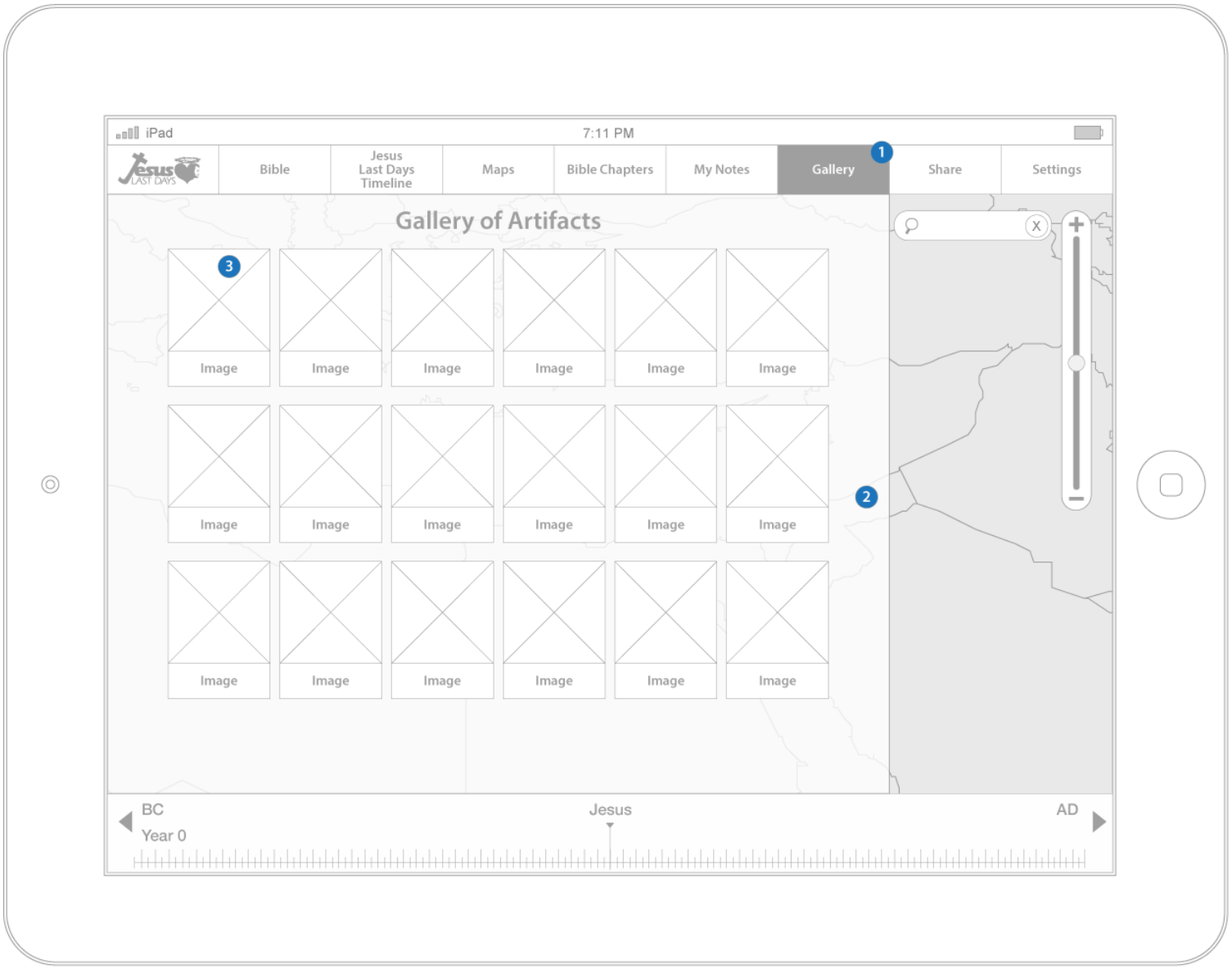
Page 5 - Bible Chapters Page

1. **Button Calls the Table of Contents**
   Tapping the button opens the table of contents.
2. **Bible Chapters**
   Bible chapters slide down.
3. **Chapter Buttons**
   These buttons open the chapter to selected.



Page 6 - My Notes Page

1. **My Notes Button**
   Tapping the button opens the Journal Page.
2. **My Notes Page**
   Page Slides Down.
3. **Page Navigation**
   Navigation allows user to view previous and next journal entries.
4. **Share Button**
   User can share their notes on social media.



Page 7 - Gallery of Artifacts

1. **Gallery Button**
   When tapped, page slides down.

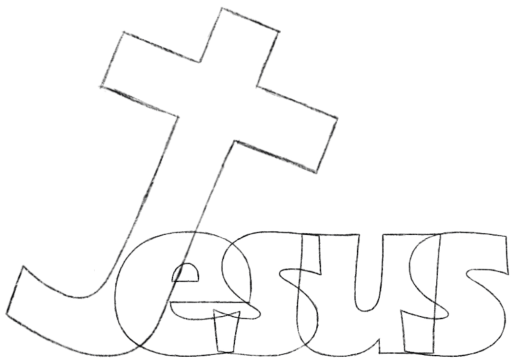
2. **Gallery Page**
   When called, the page slides down.

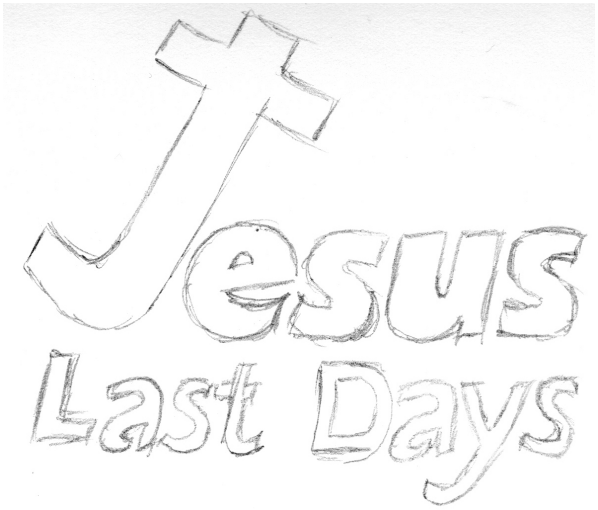
3. **Images of Artifacts**
   When tapped, the image shows a larger version with full description.

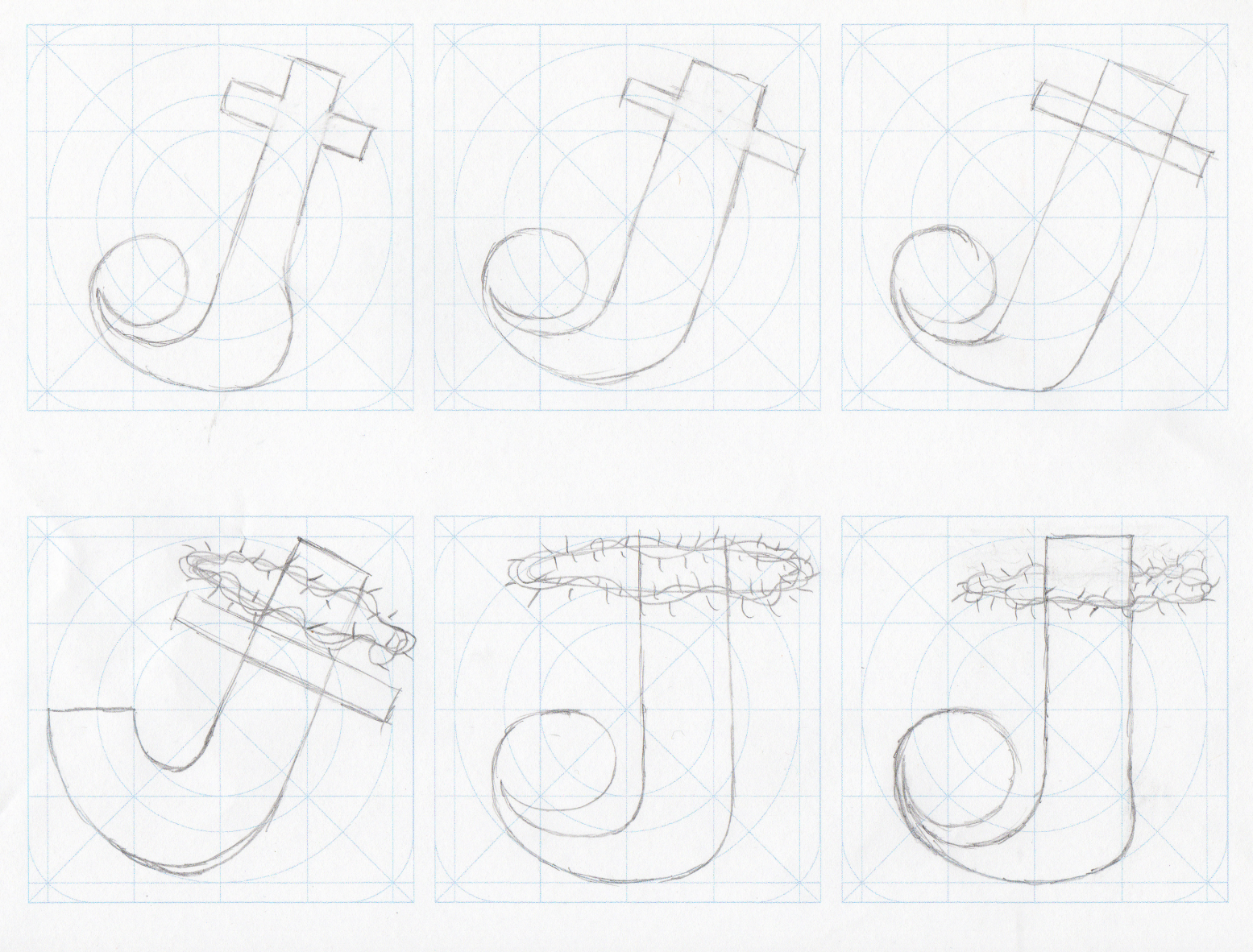
Jesus

Jesus

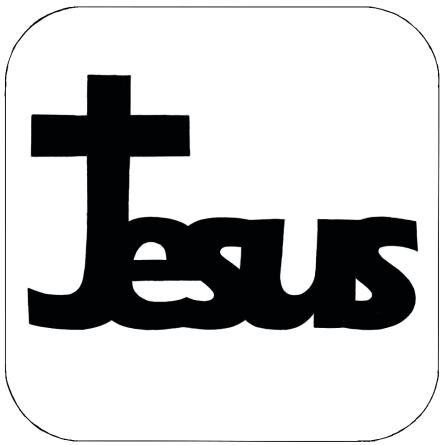
Jesus







Jesus
Last Days


Jesus

Jesus
LAST DAYS

Jesus
LAST DAYS

Jesus
LAST DAYS

Jesus
LAST DAYS

Jesus
LAST DAYS

Jesus
LAST DAYS

Jesus
LAST DAYS

Jesus
LAST DAYS

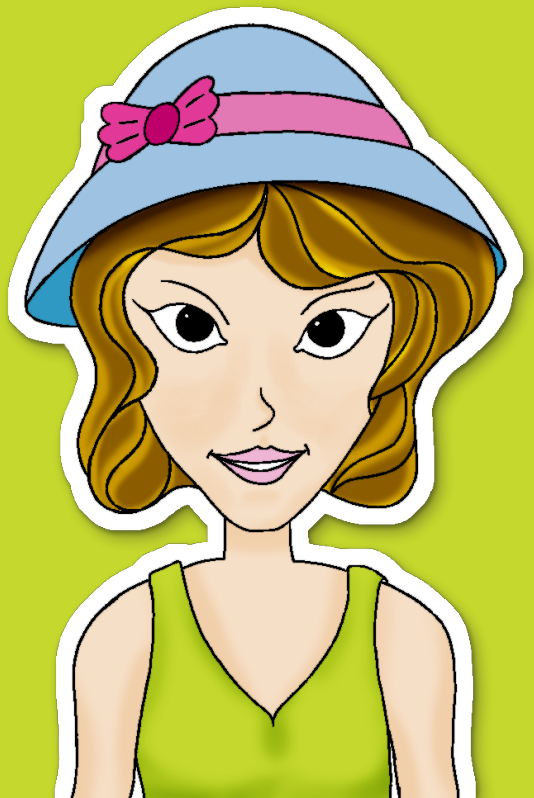
Jesus
LAST DAYS

App Icon

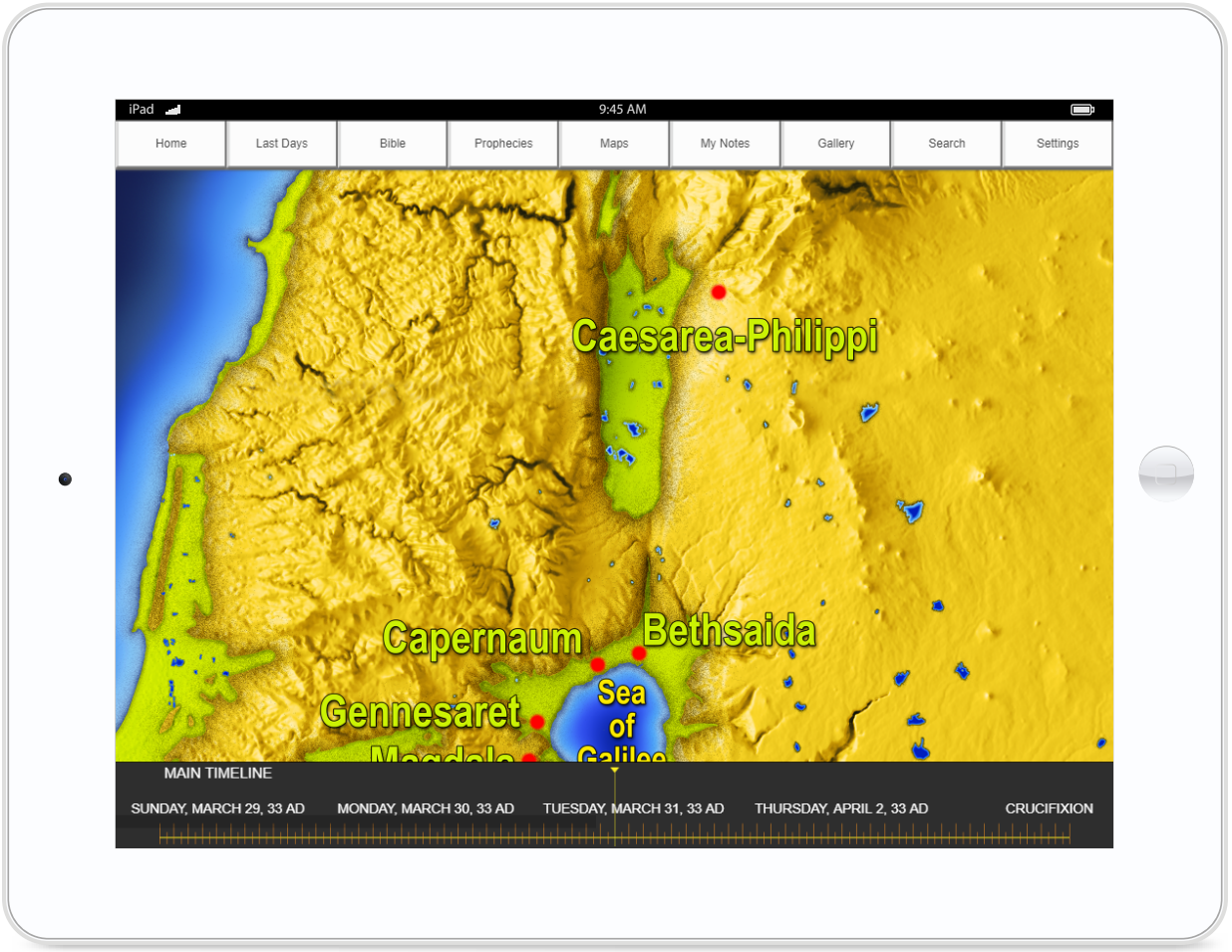
App Logo

Jesus
LAST DAYS

App Prototype



http://godinezr.com/ThesisProjectOnlinePrototype/



Home Page

This is the initial view of the app. Initially created for deployment on iOS devices. The app is developed as a hybrid app with the intention of porting over to Android while maintaining a web model for desktop use.

http://godinezr.com/ThesisProjectOnlinePrototype/

Last Days

This section is the core of the app, in that it brings into focus the entire bible by showing the events that pertain to the crucifixion and the events that led to it. The timeline at the foot shows the clickable dates, prior and after the crucifixion, that will open the text pertaining to that day.

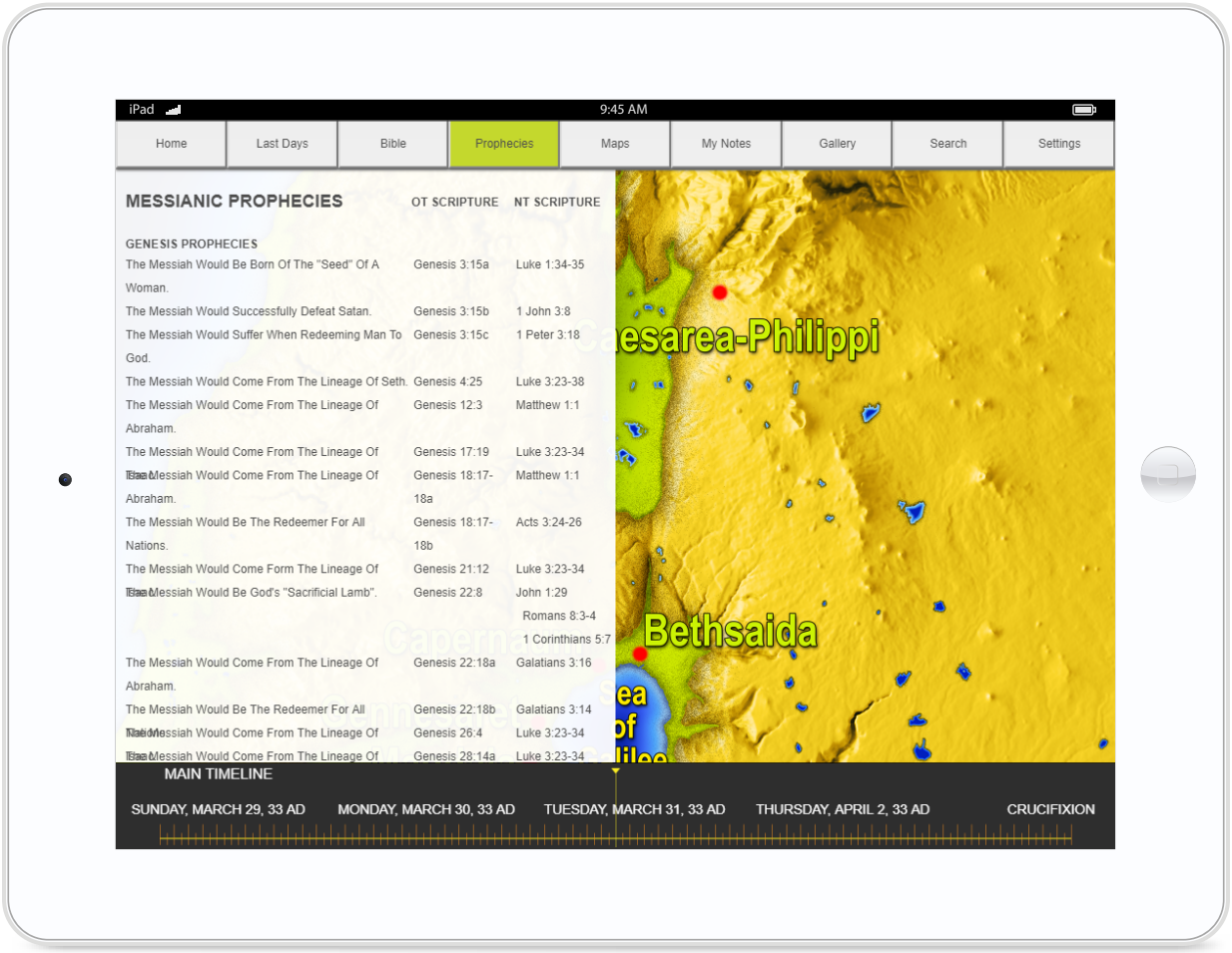
http://godinezr.com/ThesisProjectOnlinePrototype/

Bible

The app will sustain the complete bible, initially being the King James Version.

The highlighted areas of the text are clickable areas that when tapped, will zoom and scroll the map to that location.

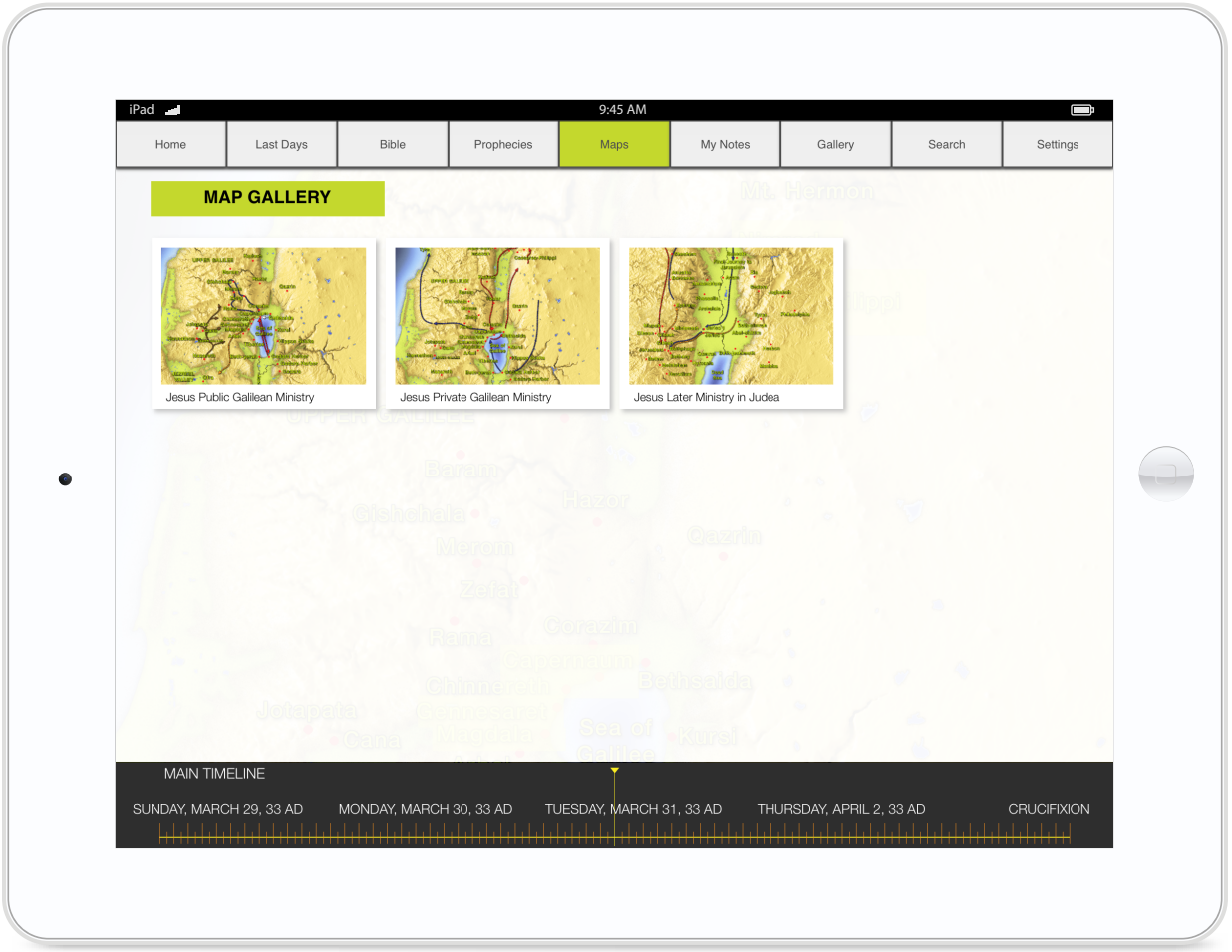
http://godinezr.com/ThesisProjectOnlinePrototype/



Prophecies

The prophecies section will also contain clickable areas that will trigger the map interaction.

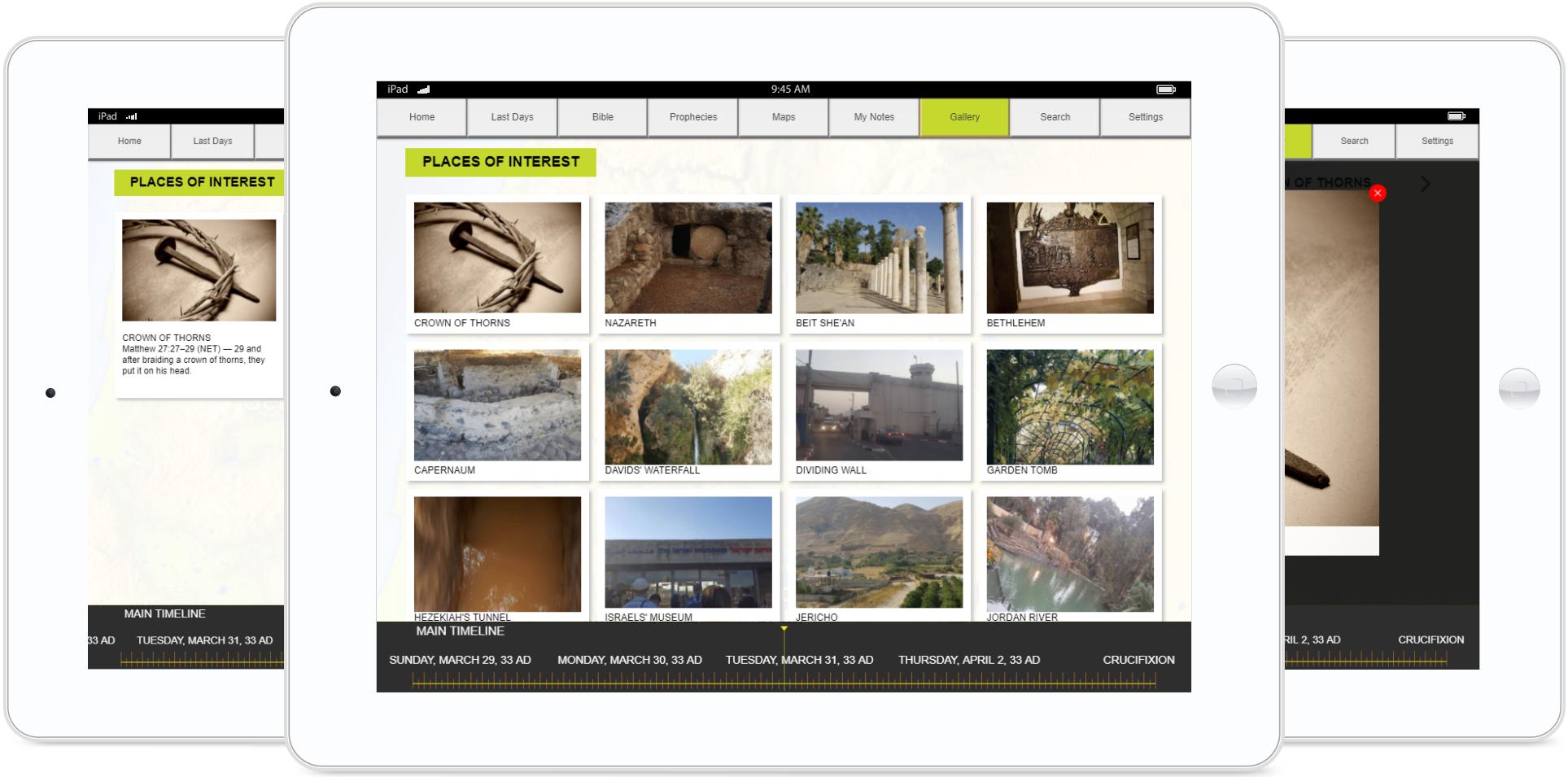
http://godinezr.com/ThesisProjectOnlinePrototype/



Maps

The maps section contains map animations of projected routes taken by Jesus in his travels.

http://godinezr.com/ThesisProjectOnlinePrototype/



Gallery

The gallery contains images of Israel that when tapped will open the biblical text to show the locations mentioned in the bible.

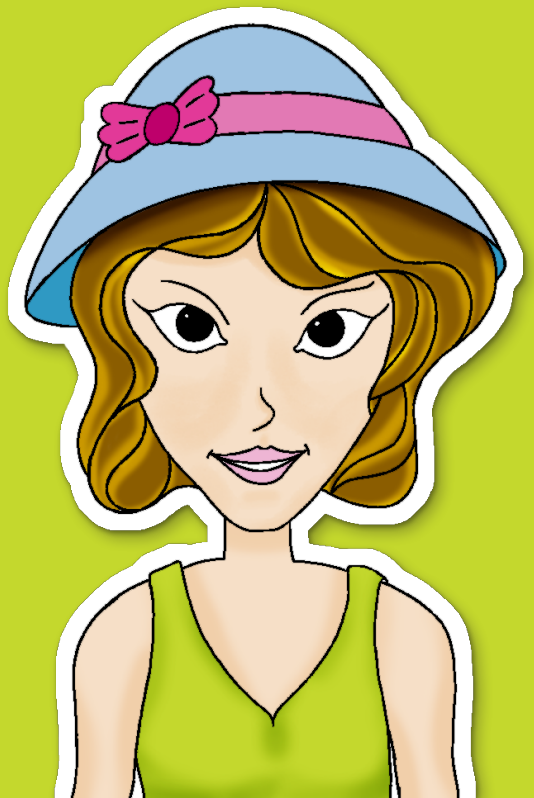
User Testing

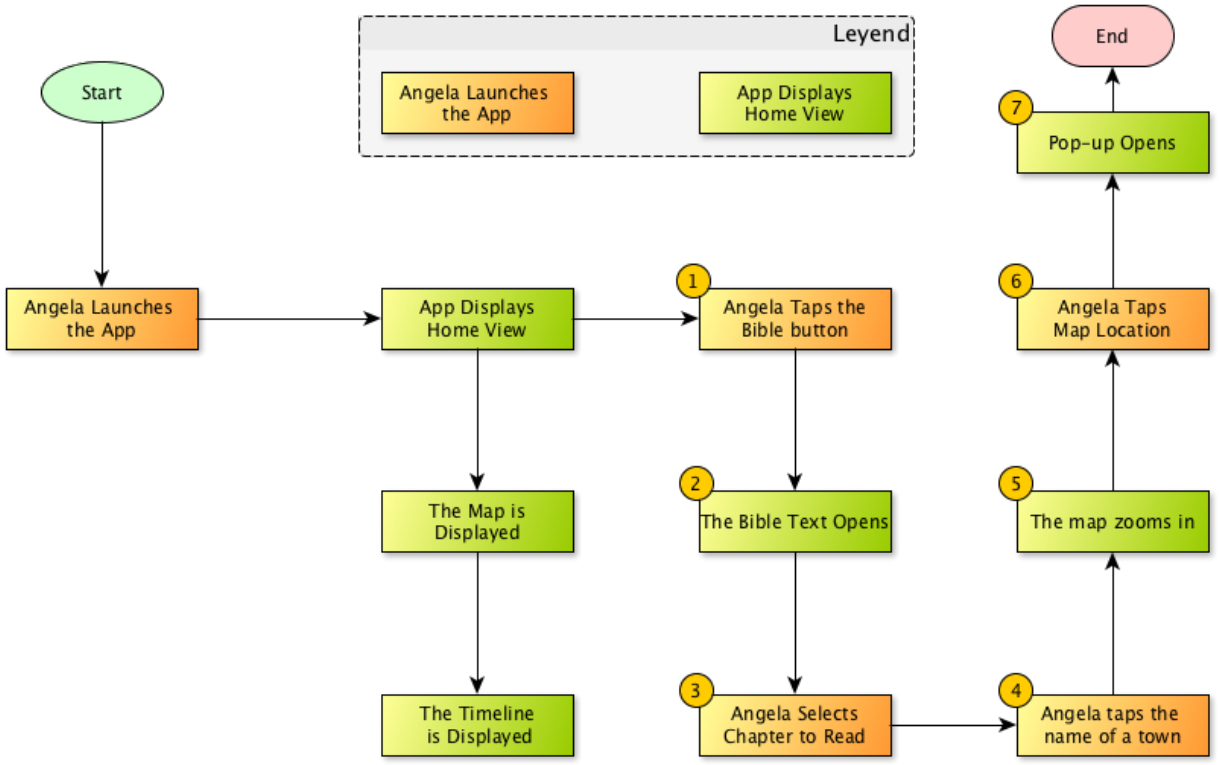
Jesus Last Days App Testing Results

Round 1

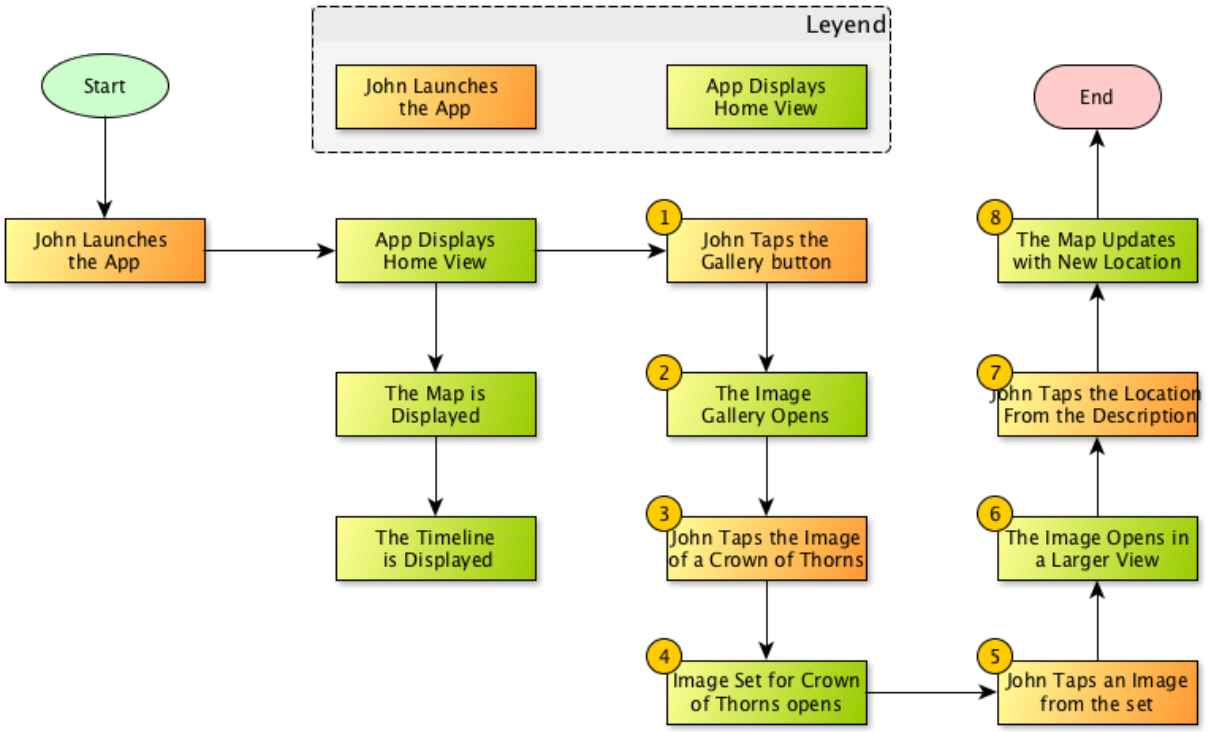
December 9, 2017

5 Testers

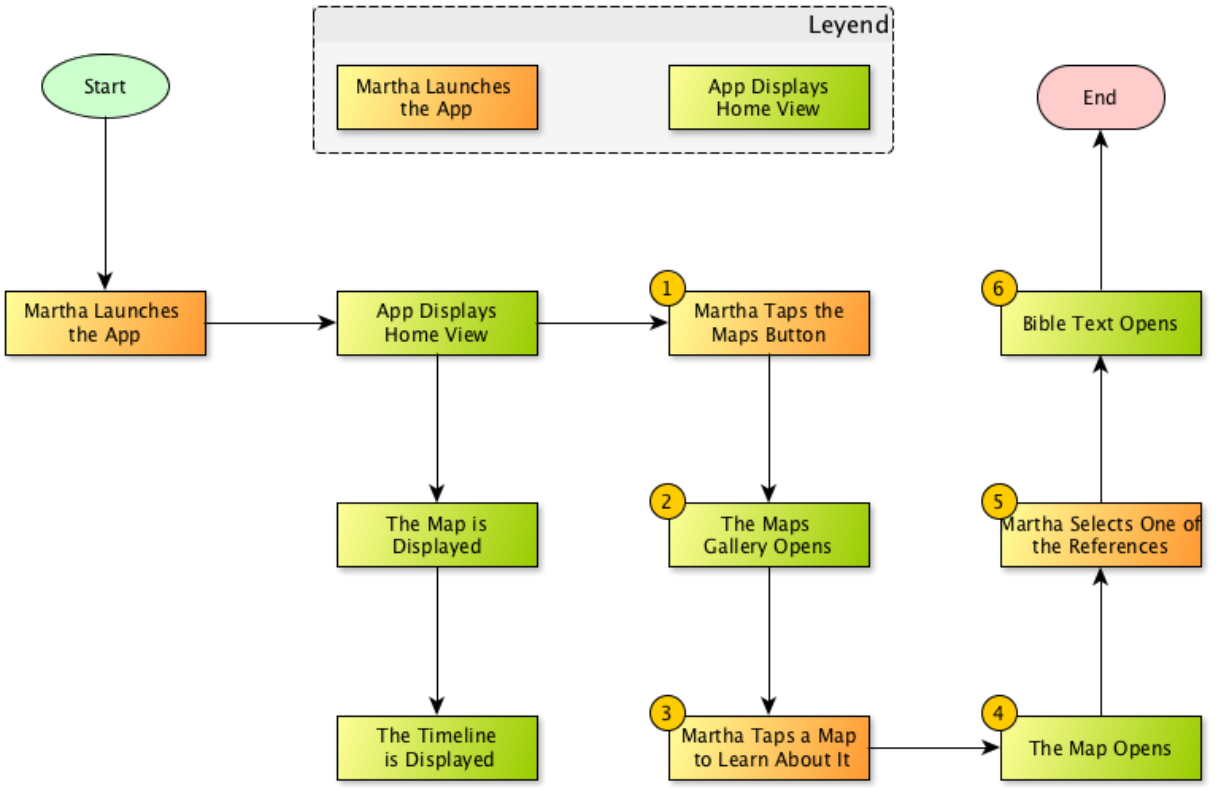




1. User taps the Bible button
2. Bible text opens
3. User Selects Chapter to read
4. User taps the name of a town
5. The Map zooms in
6. User taps map location
7. Pop-up with image, description and biblical links opens



1. User taps the gallery button
2. Image gallery opens
3. User taps the Crown of Thorns image
4. Image Set for Crown of Thorns opens
5. User taps an image from the set
6. Image opens in a larger view
7. User taps the links on the description
8. Map updates with new location



1. User taps the Maps button
2. The Maps gallery opens
3. The user taps on a map
4. The map detail opens
5. The user taps on a link reference
6. The bible text opens and map updates to new location

PROTOTYPE TESTING RESULTS ROUND 1 - DECEMBER 8, 2017

Scenario
You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1
Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2
Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3
Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Tester: Yolanda Muro

Moderator: Rodolfo Godinez
Student

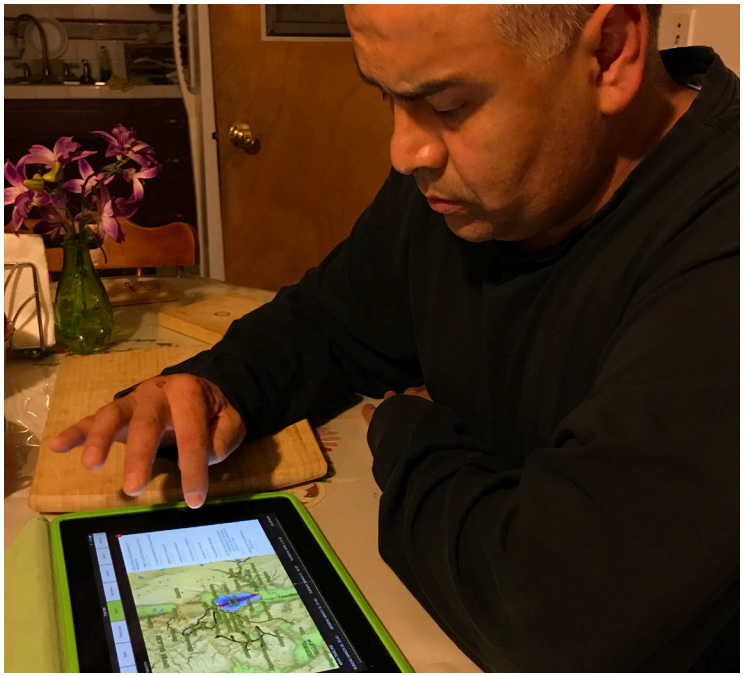
Feedback:

Task 1
Highlight town on map after tapping the town name on bible text.

Task 2
Give images on image gallery their own unique name to better identify them.

Task 3
Links on text are difficult to see, need more contrast.
Add legend, or a way to identify each link to its corresponding route.

PROTOTYPE TESTING RESULTS ROUND 1 - DECEMBER 8, 2017



Scenario
You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1
Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2
Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3
Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Tester: Jose Muro

Moderator: Rodolfo Godinez
Student

Feedback:

Task 1
App seems easy to use, no other feedback given.

Task 2
After selecting a place of interest, I do not see an obvious way to get back to the main gallery, consider adding a “back” button.

Task 3
When in the map gallery, the links seem hard to see in their present color and I don’t know which link corresponds to each route. I don’t know which route I am selecting.

No Picture Available
Tester asked not to have his picture taken.

Tester: Julian Muro

Moderator: Rodolfo Godinez
Student

Scenario

You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1

Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2

Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3

Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Feedback:

Task 1

After tapping the town name on the bible, the map zooms in, but I do not easily see the name of the town against the map and among the other town names.

Task 2

The text seems difficult to read, maybe it's a little small. It would be nice to have the bible text highlighted after I tap the links on the photo description.

Task 3

Text links are hard to see.

PROTOTYPE TESTING RESULTS ROUND 1 - DECEMBER 10, 2017

Scenario
You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1
Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2
Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3
Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Tester: Ariana Corona

Moderator: Rodolfo Godinez
Student

Feedback:

Task 1
It is difficult to see the town name on the map. Consider highlighting the town name.

Task 2
It is difficult to see which bible verses are the ones I selected after tapping on the image description.

Task 3
The map header text seems difficult to see. I don't know which text link belongs to each route. Names on map seem difficult to distinguish from the map, they blend too much.

PROTOTYPE TESTING RESULTS ROUND 1 - DECEMBER 10, 2017

Scenario
You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1
Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2
Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3
Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Tester: Shaker Darwish

Moderator: Rodolfo Godinez
Student

Feedback:

Task 1
Hard to distinguish town on map after selecting on bible text.

Task 2
It would be nice to have a clear way to get back to the main gallery.

Task 3
I do not see how the text links are related to the routes on the map just by looking at them.
Consider adding a legend, or making them the same color as the route they correspond to.

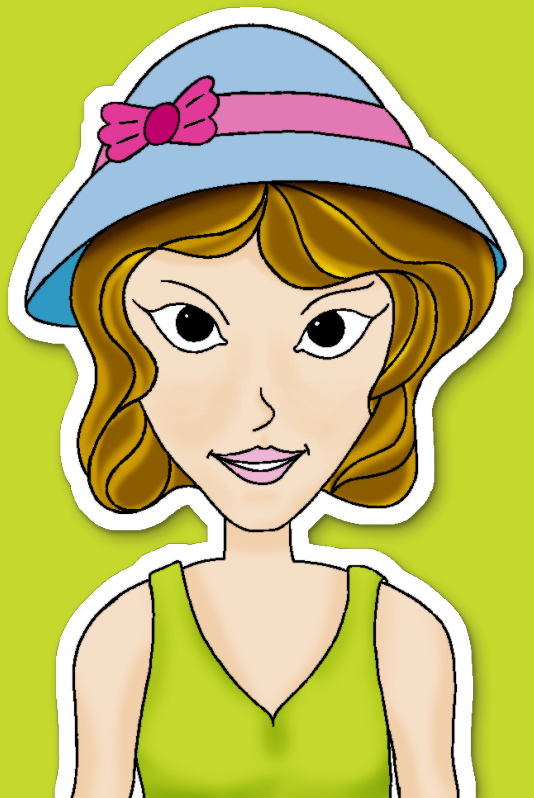
Testing Results

Jesus Last Days App Testing Results

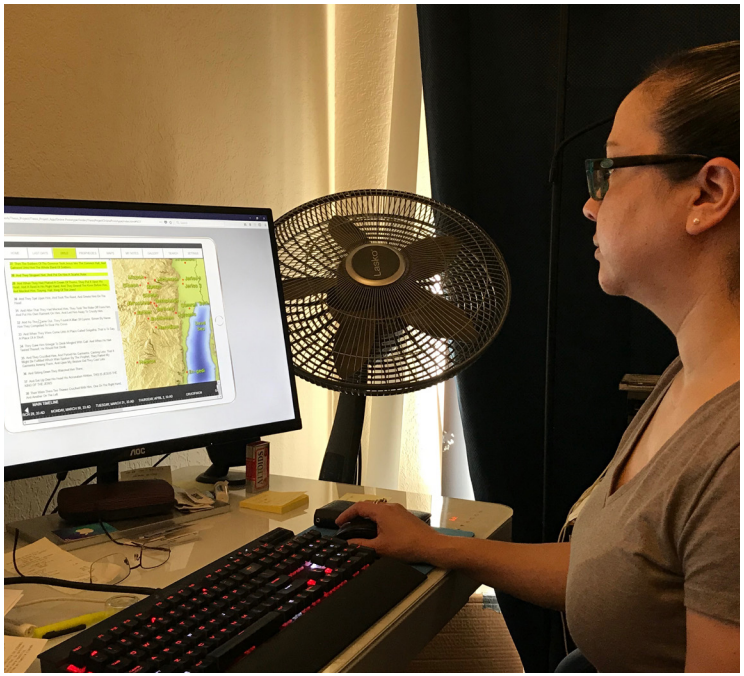
Round 2

December 14, 2017

3 Testers



PROTOTYPE TESTING RESULTS ROUND 2 - DECEMBER 14, 2017



Scenario
You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1
Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2
Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3
Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Tester: Yolanda Muro

Moderator: Rodolfo Godinez
Student

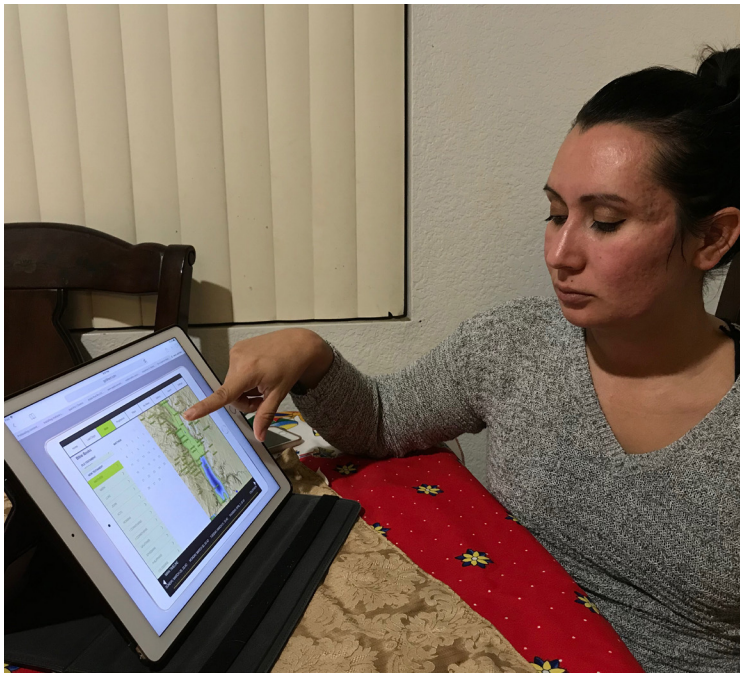
Feedback:

Task 1
No significant feedback given, except “I like it. It is much better now.”

Task 2
I like how the text highlights on the bible after tapping the description. I like how the map shows the town position by blinking it.

Task 3
No significant feedback given, except “I like it. It is much better now.”

PROTOTYPE TESTING RESULTS ROUND 2 - DECEMBER 14, 2017



Scenario
You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1
Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2
Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3
Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Tester: Ariana Corona

Moderator: Rodolfo Godinez
Student

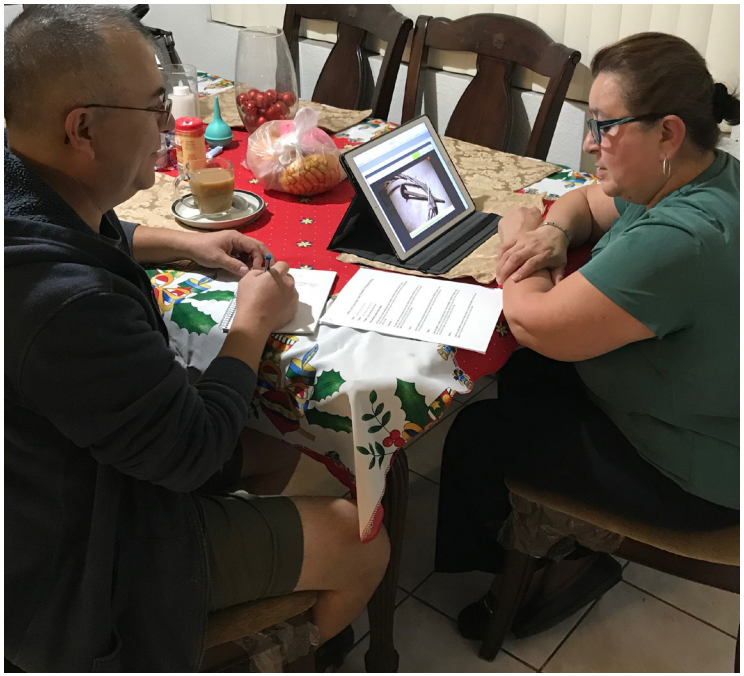
Feedback:

Task 1
I like how the map now shows the town location by blinking it.

Task 2
Consider highlighting name of artifact on bible text, in this case “Crown of Thorns.”

Task 3
I like how the text links are the corresponding color of the routes and how the bible text highlights to show the verse I selected.

PROTOTYPE TESTING RESULTS ROUND 2 - DECEMBER 14, 2017



Scenario
You are a bible user that wants to know more about the places mentioned in the bible. You, also, want to know more about the routes that Jesus traveled during his last days and the places he visited on his way to Jerusalem.

Task 1
Open the bible text by tapping the Bible button and select the book of Matthew, chapter 2. From the highlighted text, select the town of Jerusalem. Find Jerusalem on the map and tap it.

Task 2
Open the gallery by tapping the Gallery button. From the places of interest in the gallery, select the Artifacts section. From the Artifacts section, select the image of the Crown of Thorns. From the detailed image, select the description link to know more.

Task 3
Open the maps gallery by tapping the Maps button. From the maps gallery, select a map and tap on it. From the next window you select any of the text links.

Tester: Maria Corona

Moderator: Rodolfo Godinez
Student

Feedback:

Task 1
I like the flashing indicator on the map, but perhaps also have the name in a different color after map zooms in.

Task 2
There seem to be too much green overall, highlighted text seem green color seems too strong. Consider making highlight color softer.

Task 3
I like it over all, seems easy to use.

In Conclusion

The testing phase was interesting. It gave me the opportunity to evaluate the testers as people and their responses. One person asked not to have his photo taken, however, gave good responses and feedback. From the feedback received, I was able to conclude, and it served as a reminder, that this is very much a work in progress and as such, it is important to ask the right questions, as well as expect the unexpected from the user base.

An example that I was not expecting and had not previously considered is the size of the text throughout the app.

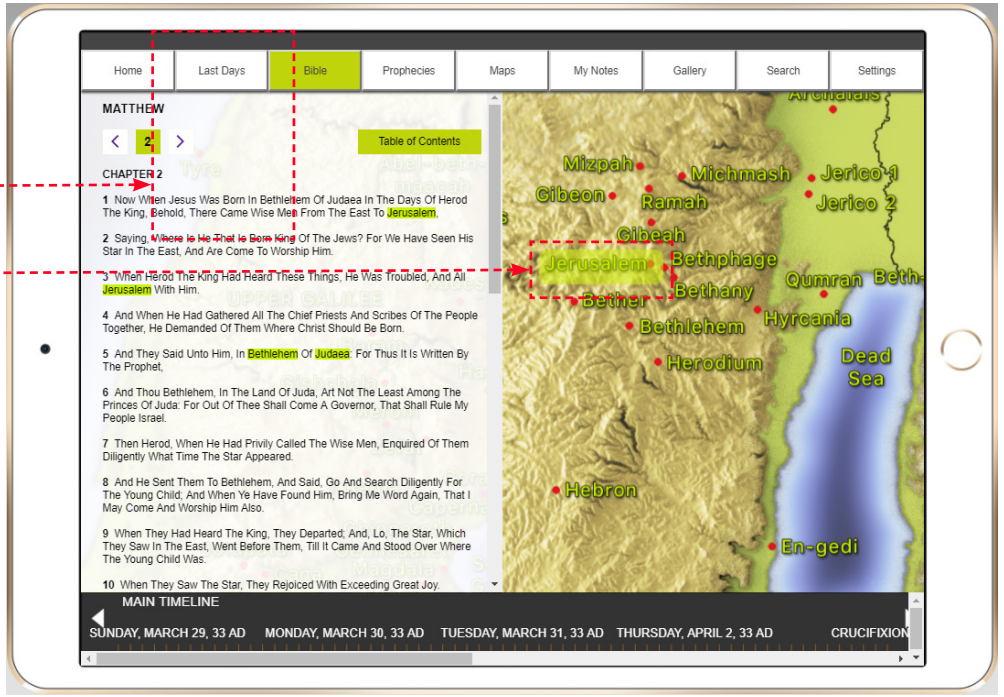
The user had certain difficulty reading the text, not only since the tester needed glasses, but because overall, the font size was small enough to affect a small part of the test user base. Therefore, I concluded that revising the font size would be wise and beneficial to all.

Other results I had not considered made sense, and I have made those changes, except for one which will be part of the next revision along with major code changes.

Usability wise, I did receive good advice and feedback from some of the users, specifically in the area of navigation. Two of the testers commented in that they did not see an obvious way to go back to the main gallery of images after entering the place of interest page, so, based on their comments and feedback, I changed the green button to a back arrow and appropriate label to say, "<Back to Gallery."

I, also, made changes to the highlight color and will implement additional changes before next revision to have ready for next round of user testing.

PROTOTYPE TESTING RESULTS - TASK 1 BEFORE AND AFTER



Feedback Given:

Highlight town on map after tapping the town name on bible text.

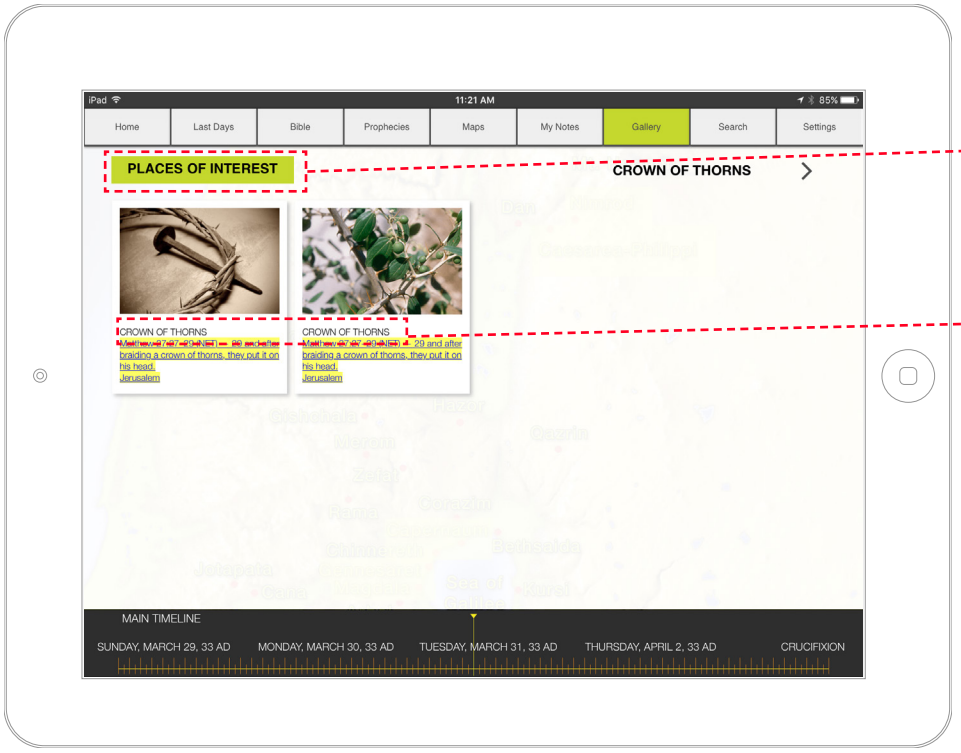
Font seems small to read comfortably.

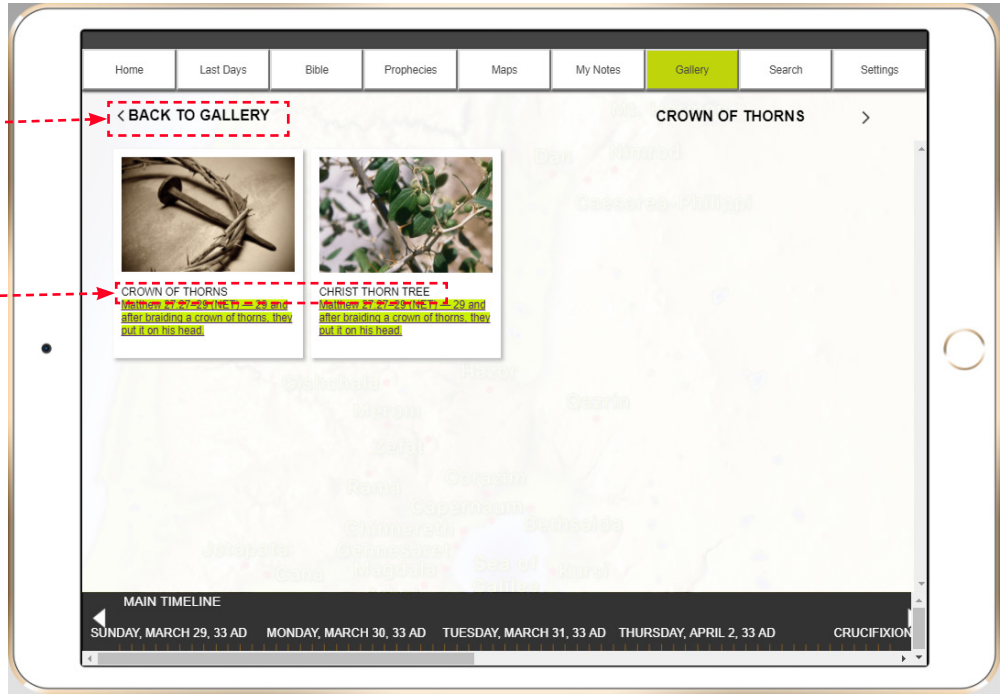
Action Taken:

I highlighted the town with a blinking area that blinks as the map zooms in and it remains on for a short time, then fades out.

Made size of font larger throughout the app, reads better.

PROTOTYPE TESTING RESULTS - TASK 2 BEFORE AND AFTER





Feedback Given:

Give images on image gallery their own unique name to better identify them.

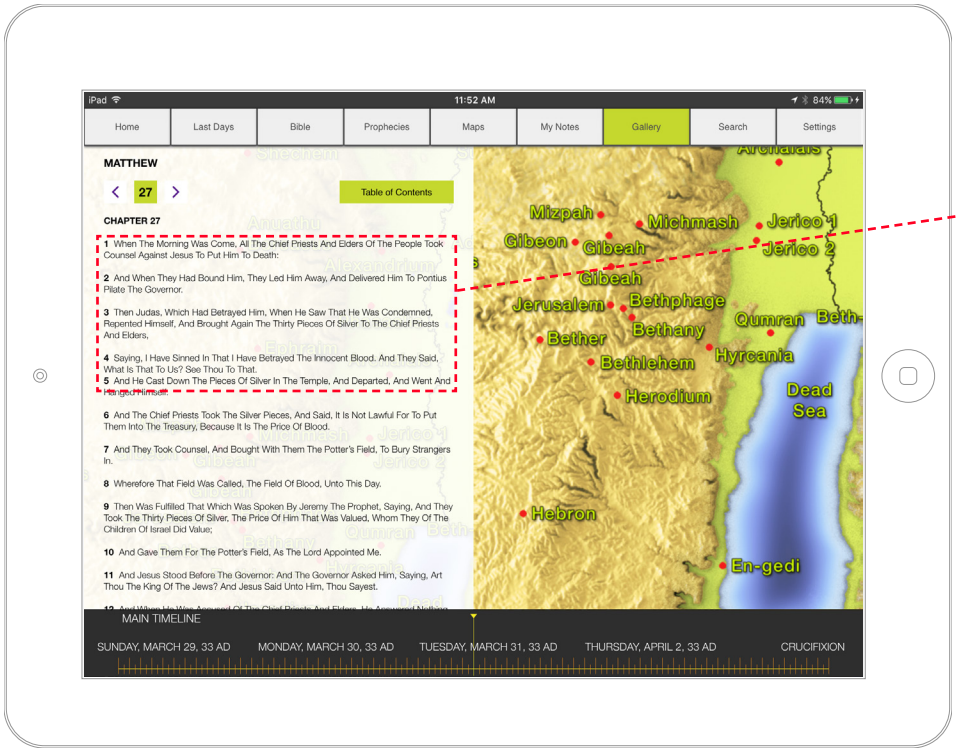
After selecting a place of interest, I do not see an obvious way to get back to the main gallery, consider adding a “back” button.

Action Taken:

I changed the name of the second image to reflect what it is and to differentiate it from other images on the set.

I changed the button to show the “Back to Gallery” label.

PROTOTYPE TESTING RESULTS - TASK 2 BEFORE AND AFTER



Feedback Given:

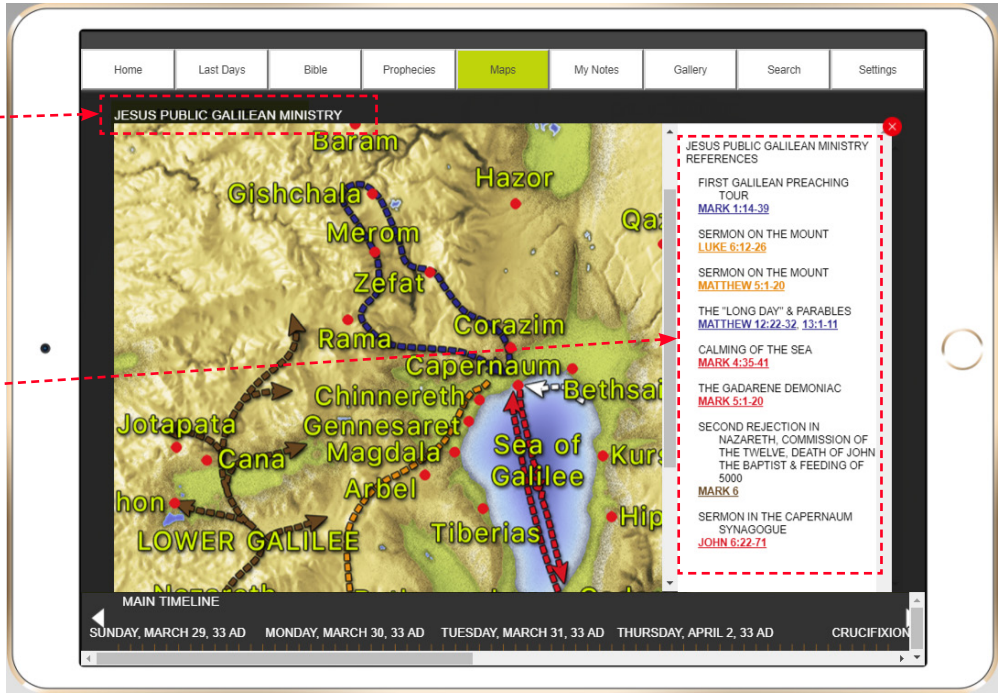
It would be nice to have the bible text highlighted after I tap the links on the photo description.

It is difficult to see which bible verses are the ones I selected after tapping on the image description.

Action Taken:

I changed the code to allow for highlighted text on tapping of referrer links.

PROTOTYPE TESTING RESULTS - TASK 3 BEFORE AND AFTER



Feedback Given:

Links on text are difficult to see, need more contrast. Add legend, or a way to identify each link to its corresponding route.

When in the map gallery, the links seem hard to see in their present color and I don't know which link corresponds to each route. I don't know which route I am selecting. The map header text seems difficult to see, make larger? I don't know which text link belongs to each route. Consider associating each link to its own route. Names on map seem difficult to distinguish from the map, they blend too much. Text overall seems small.

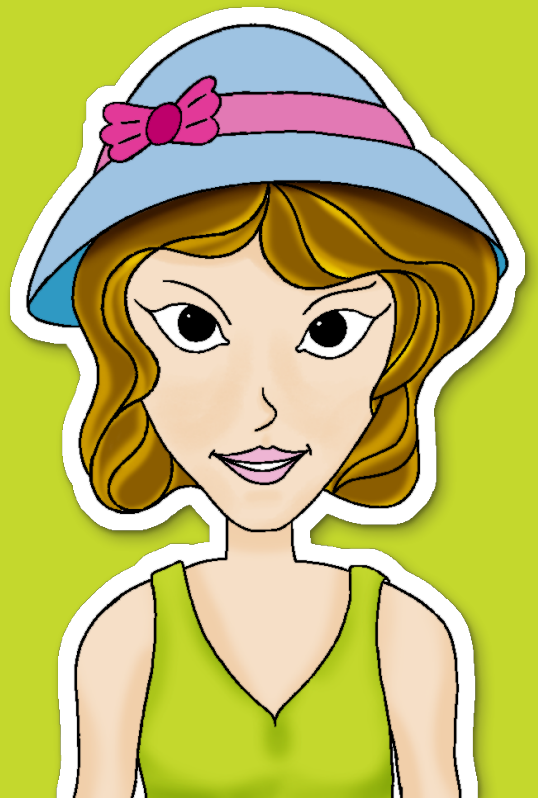
Action Taken:

I made the font-size larger for better legibility throughout the app, also, made the map title larger.

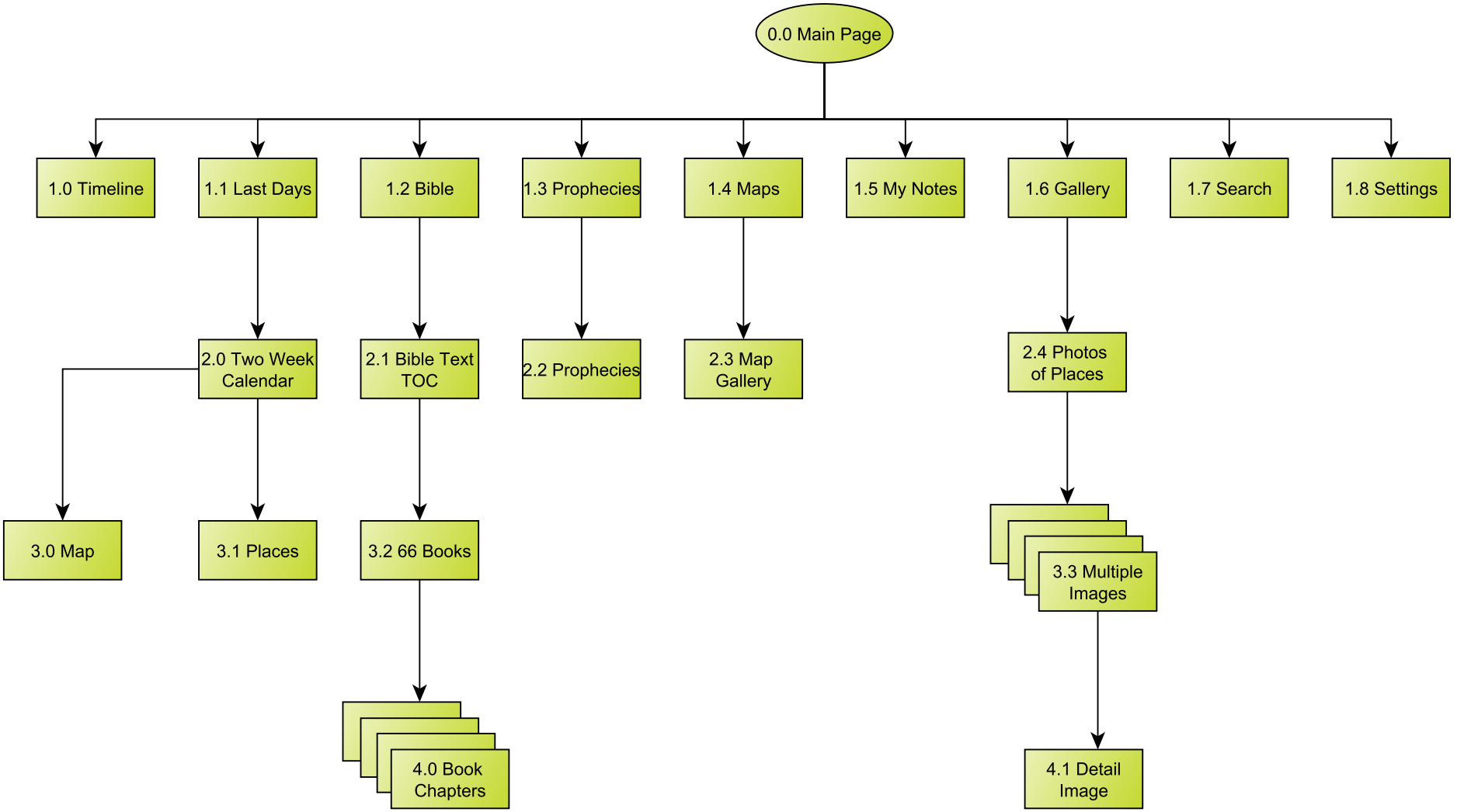
I increase the size of the map to make it better to see the labels, plus I lessen the saturation on the maps in general to increase contrast to the overlaying text.

I changed the links color to correspond with their route

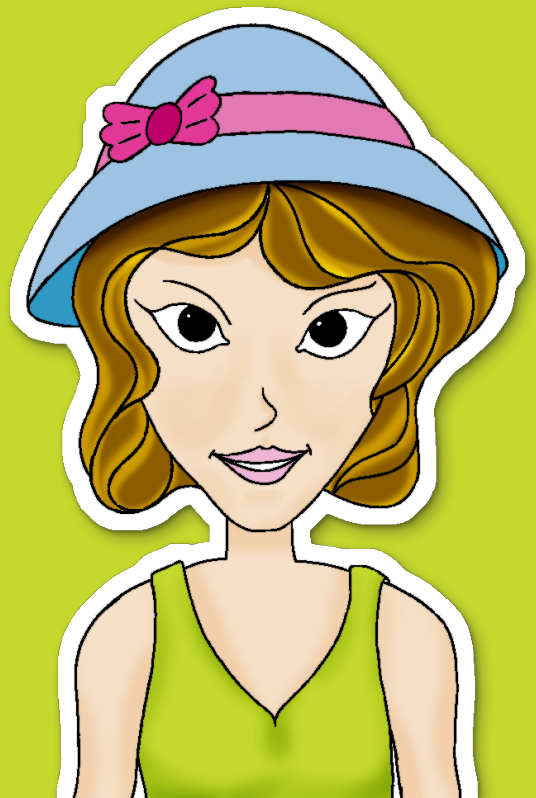
Information Architecture

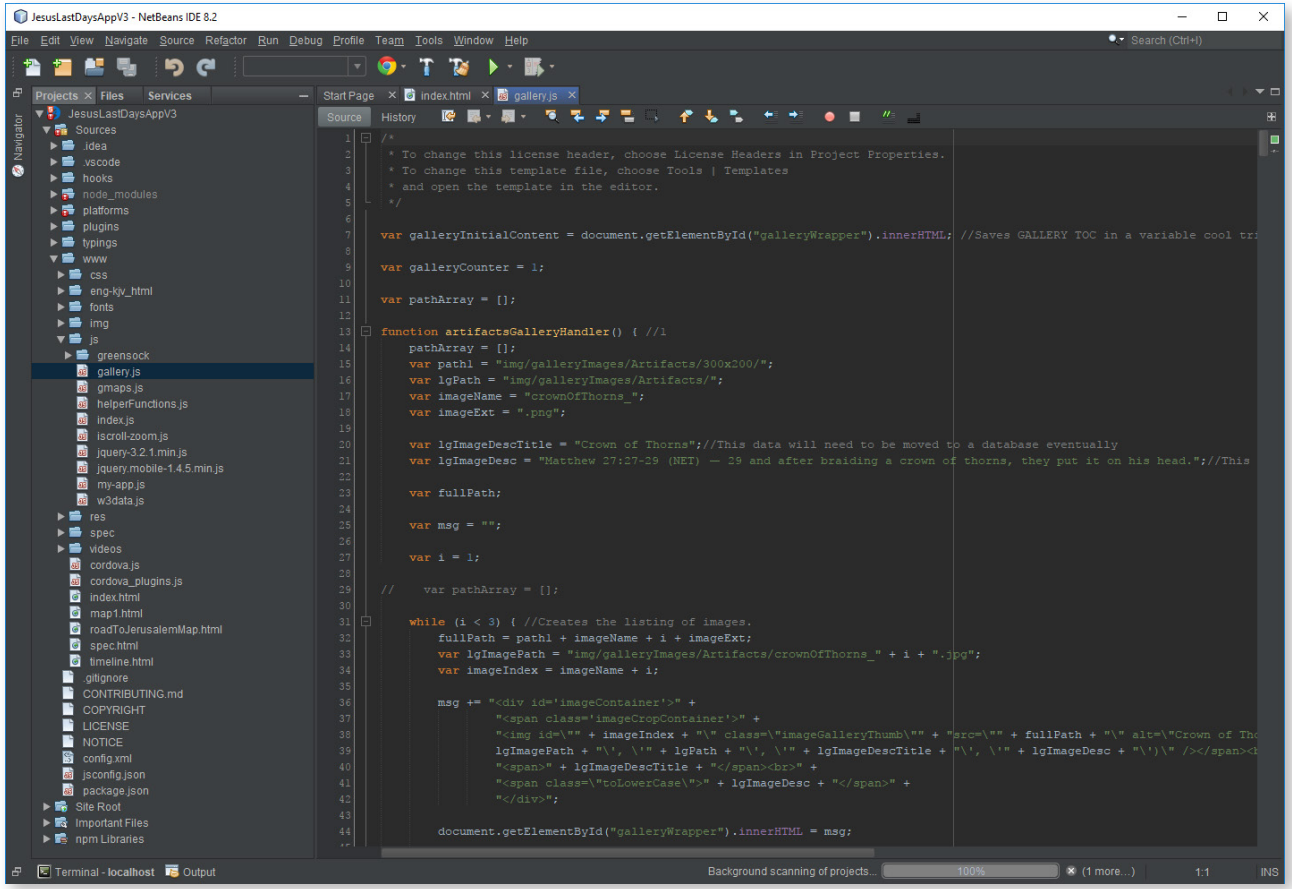


INFORMATION ARCHITECTURE



Technical Specifications





The mobile app will be developed using Html5, CSS and JavaScript and deployed primarily to the iOS platform using the Cordova Mobile Framework from a single code base.

Technologies: Html5, CSS, JavaScript, jQuery, iScroll JavaScript Library, GreenSock Library, Cordova Mobile Framework and Xcode for iOS.

Jesus
LAST DAYS

mobile app case study

rodolfo@godinezr.com

www.godinezr.com