

How to Use this Template

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Submission Instructions

1. After you’ve completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it **“Capstone Project”**
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GitHub Username: tuxan

Holy Time

Description

Many people meditate about God and reserve time to Him each Sabbath (Exodus 20:8-11), but sometimes the job or other activities make to forget that Holy Time was reserved to enjoy His bless and company.

Holy Time App helps you to not forget your communion with God and give you contents to read and meditate about His greatest love and forgiveness.

Biblically the Sabbath begins and ends with sunset. So depends on your location, you will receive a notifications at the beginning and end of the Sabbath to read and meditate.

Intended User

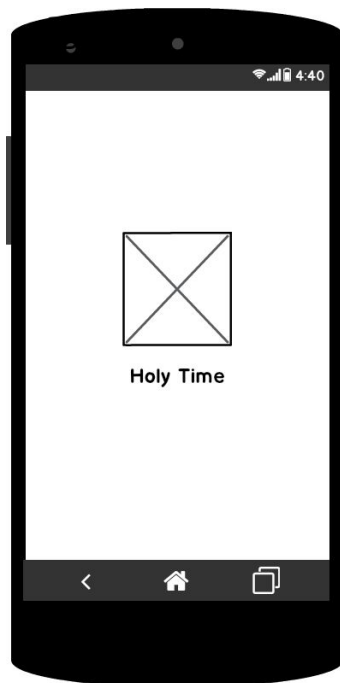
Christian beliefs and Bible students.

Features

- Store meditations content.
- Notification at the beginning and end of the Sabbath.
- Sync new meditations contents.
- Share meditations with others.
- Save favorite meditation content.

User Interface Mocks

Screen 1



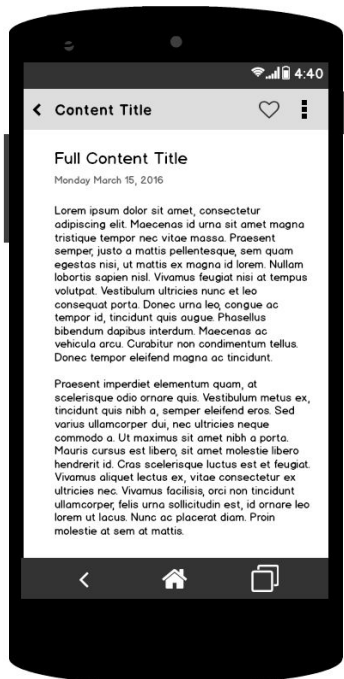
Startup screen with Logo and App name.

Screen 2



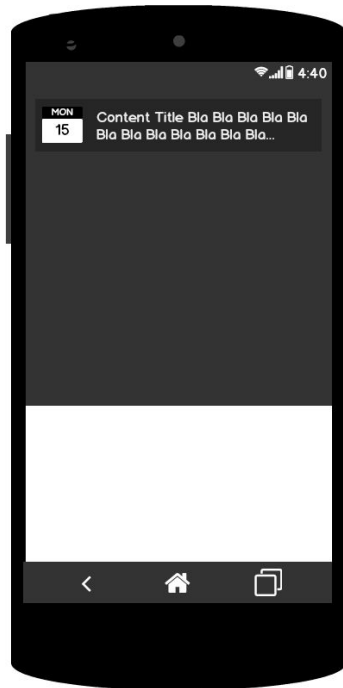
Meditation List (all and favorites results using tabs to filter).

Screen 2



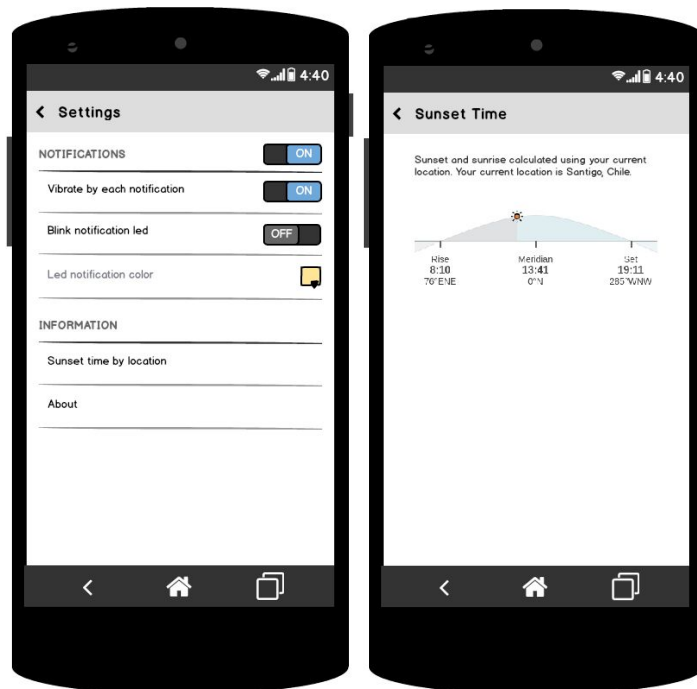
Meditation Detail using a ViewPager to navigate to next or previous Meditation Content too.

Screen 3



Notification to read a Meditation Content.

Screen 4



Settings to configure notification feedback and see sunset and sunrise calculated time.

Key Considerations

How will your app handle data persistence?

Content Provider to access an SQLite DB. The content will synchronize with an API using a SyncAdapter and Account.

Describe any corner cases in the UX.

Simple transitions between List and Detail views.

Describe any libraries you'll be using and share your reasoning for including them.

- Schematic to reduce boilerplate code at content provider.
- Butter Knife to reduce boilerplate code at view binding.
- Retrofit to simplify API requests and reduce code too.

Required Tasks

Task 1: Project Setup

- Create clean Android project.
- Add required Google Supports Libraries like RecyclerViews, Cards and Design Library.
- Add externals required libraries like Schematic, Butter Knife and Retrofit using gradle dependencies..

Task 2: Implement UI for Each Activity and Fragment

- Define global theme used for the App.
- Build Phone and Tablet UI for MainActivity.
- Build Phone and Tablet UI for DetailActivity.

Task 3: Content Provider and Synchronization

- Build Content Provider and Sync Adapter using an Account.
- Sync when receive a message to update using GCM.
- Build unit test for content provider data.
- Integrate Content Provider with existing dummy Activities.

Task 4: Add Settings and Sunset Calculated Activity

- Create Setting Activity.
- Create Sunset Calculated Activity.

Task 5: Notifications

- Create Service to manage notification logic.
- Add support to Calendar Intents.
- Create notifications using support library.

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