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- 2. Name your document file: "Capstone_Stage1"
- 3. Replace the text in green

Description

Intended User

Features

User Interface Mocks

Screen 1

Screen 2

Key Considerations

How will your app handle data persistence?

Describe any edge or corner cases in the UX.

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

Describe how you will implement Google Play Services or other external services.

Next Steps: Required Tasks

Task 1: Project Setup

Task 2: Implement Main UI

Task 3: Store offline

Task 4: Add multi level selection

Task 5: Implement Detail UI

Task 6: Add Widget feature

Task 7: Add Google Services

GitHub Username: Arta0613

Wani Reference

Description

Wani Reference is an app that allows you to browse and view the various Kanji available in WaniKani.

WaniKani is a website that utilizes a technique called Spaced Repetition System (SRS) to teach students Japanese Kanji and Vocab.

Wani Reference aims to bring a more native mobile feel to what is a web based application as a supplement to users of WaniKani. It also gives you the ability to set a widget that will update with a random "Kanji of the Day" so you can see something new every day on your homescreen.

Intended User

Users of the WaniKani website and anyone else interested in learning Japanese Kanji and Vocabulary.

Features

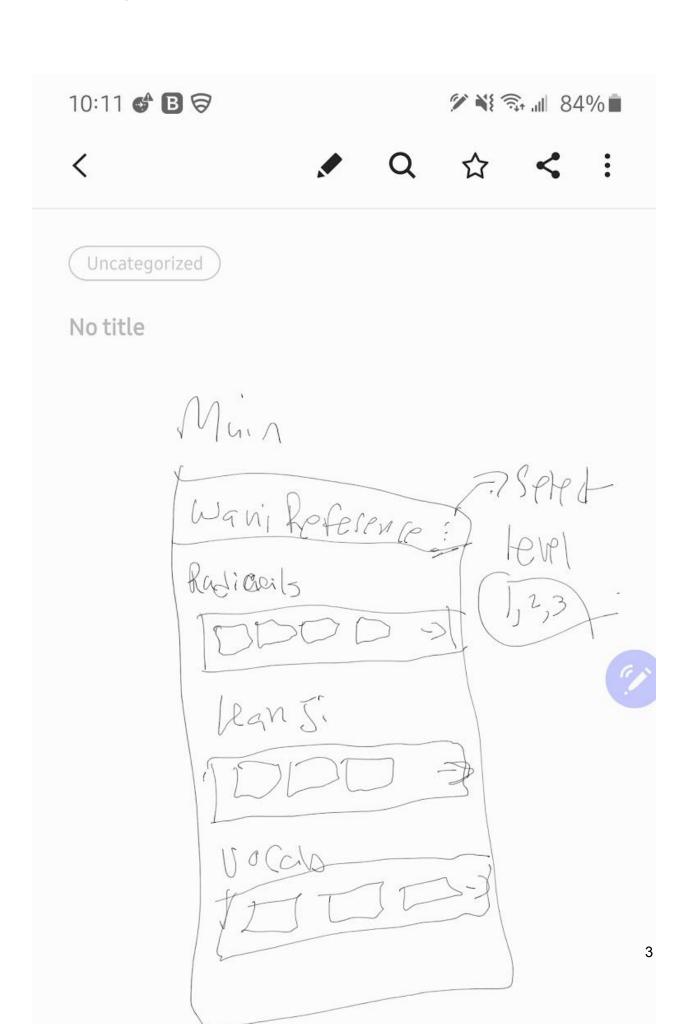
List the main features of your app. For example:

- Select from the first 3 levels of WaniKani (for free users)
- View Radicals, Kanji and Vocabulary from each level
- View Radicals Kanji and Vocabulary while offline
- Add widget on homescreen to see a random Kanji

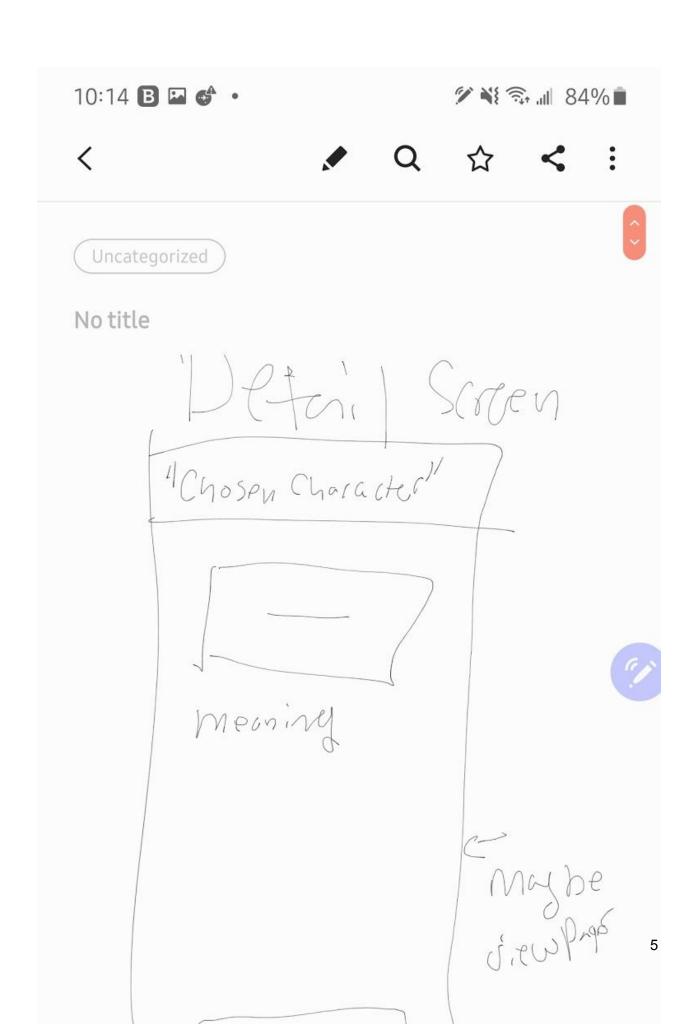
User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1



Screen 2



Key Considerations

How will your app handle data persistence?

It will download subjects (data) on launch and store it offline using Room. It will be used in conjunction with ViewModels and LiveData

Describe any edge or corner cases in the UX.

A corner case could be that there is no initial data on launch because of no network connection. In this case some view could be shown to the user that they need to connect to the network once to download data.

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

Glide to handle downloading and caching images.

Describe how you will implement Google Play Services or other external services.

AdMob to show a small ad on the bottom of the details screen.

Firebase Analytics to log certain events like adding a widget or switching levels.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

• Set up data classes (data coming from api)

- Set up Networking classes (retrofit)
- Set up gradle dependencies for above

Task 2: Implement Main UI

List the subtasks. For example:

- Build UI for MainActivity
- Download data and display first level

Task 3: Store offline

Describe the next task. List the subtasks. For example:

Build database data class and store data offline

Task 4: Add multi level selection

Describe the next task. List the subtasks. For example:

Identify pattern for multiple levels and build UI/set data

Task 5: Implement Detail UI

Describe the next task. List the subtasks. For example:

Build Details UI and set data

Task 6: Add Widget feature

Describe the next task. List the subtasks. For example:

Add widget feature

Task 7: Add Google Services

Describe the next task. List the subtasks. For example:

Add google services integrations (analytics and admob)

Capstone Stage 1

Add as many tasks as you need to complete your app.

Submission Instructions

- ullet After you've completed all the sections, download this document as a PDF [File ightarrow Download as PDF]
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