

CMPE 277 Smartphone App Development

Prof. Kaikai Liu

Project Plan

Team Name: 1

Members: Anastasia Zimina

Manjiri Kadam

Submission for - Manjiri Kadam

Smartphone Platform : Android , Language - Kotlin

Deliverables:

- Your team and selected application
- Your App name, App icon
- Your design: either a diagram, App flow architecture, or mockup UI
- Focus: the logic flow and functionality
- You can build the UI and add detailed function later
- Task distribution/assignment
- **Group based submission (only one member need to submit)**
- Submit a word/google doc or any other design files (or Google drive link) to canvas, put the original submission in your shared folder

Name of Application : RECONO, it is an app to detect the text from the image and classifying images in different categories.

Smart features -

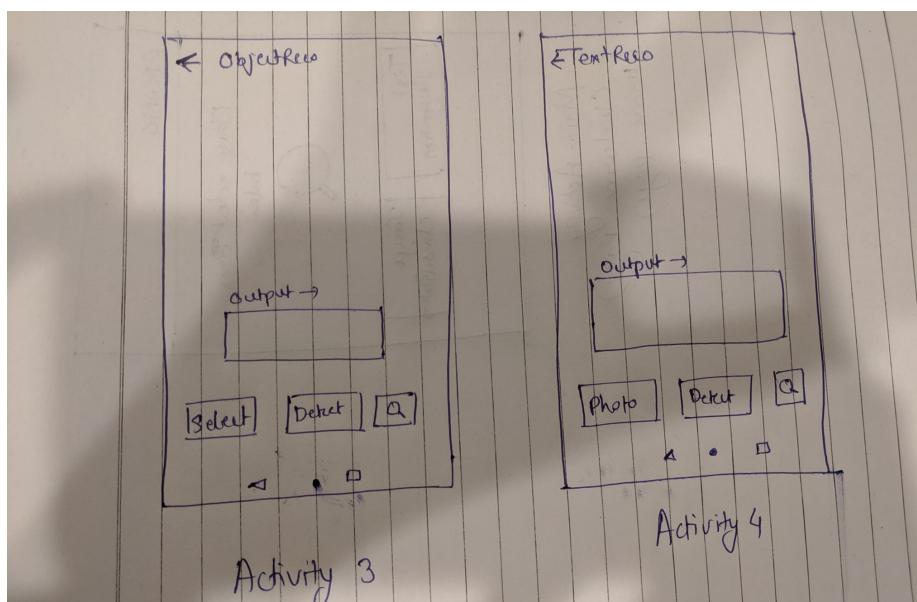
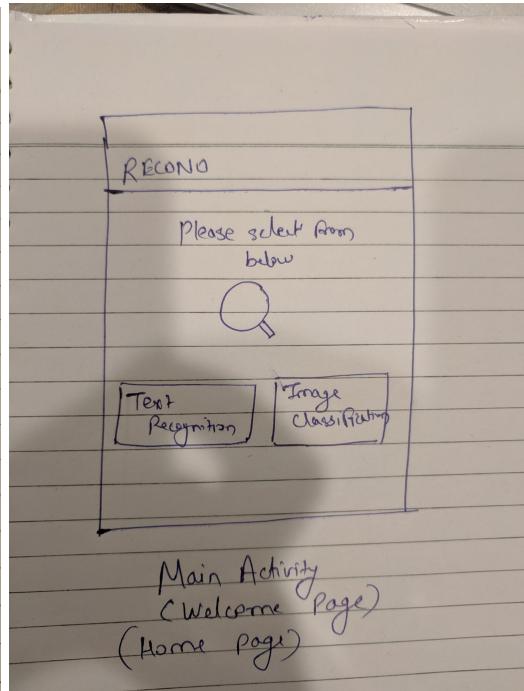
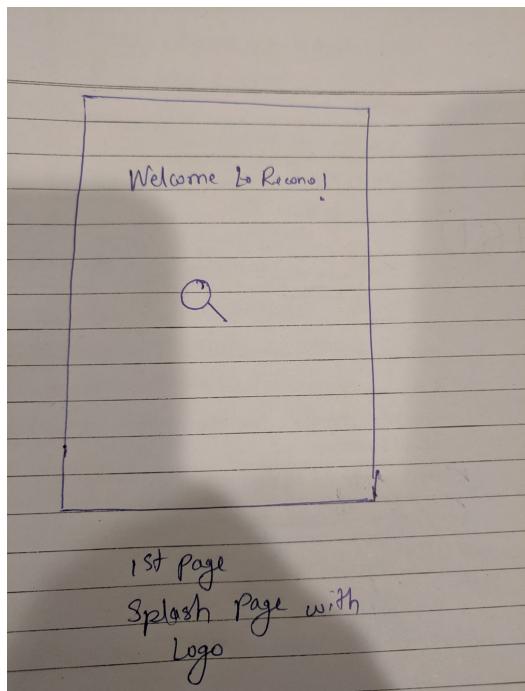
- 1) Text detection by Firebase ML Vision SDK for recognizing text in an image, using Cloud API.
- 2) Image classification by TensorFlow Lite Model
- 3) Google Search for corresponding outcome.

App Name: Recono



App Icon :

UI Mockup:



Flow of functions:

- 1) When User will open the application, he/she will land up on Welcome Page, where person can select from two options
- 2) If user selects Text Recognition, he/she can take a picture and will be able to detect the text from the image.
- 3) User can search the text directly over internet as Google lens
- 4) If user selects Object recognition, with the help of image classification, user can be able to search for results.

Task distribution/assignment - All work would be done by me.

Technologies :

- 1) <https://firebase.google.com/docs/ml/android/recognize-text>
- 2) https://www.tensorflow.org/lite/examples/image_classification/overview

Thank you