

CS 5551 Advance Software Engineering

FIRST INCREMENT REPORT

Locus

Team#7

Venkatesh Pallay

Sowmith Reddy Pentaparthu

Rohit Nagulapati

Abhilash Reddy Gaddam

Project Proposal

Project Title: Locus

PROJECT GOAL AND OBJECTIVES:

MOVITATION:

How important is your vehicle to you? Do you treat it as your family member, if so what if your friend requests for the car to go for a ride with his girlfriend? Don't worry if you have "Locus" app with you anymore; you can track your vehicle anytime, anywhere wherever you are. Also, when you are traveling, the app reminds your favorite locations near to you.

SIGNIFICANCE/UNIQUENESS:

Our investigation for applications which provides location based services like reminders for favorite spots near current location, tracking vehicle, didn't fetch great results. This made us thinking about creating an application with advanced technologies that brings in real time and accurate information available to users all the time.

OBJECTIVES:

The objective of our web/ mobile application is to track their loved vehicle anytime, anywhere if shared to anyone till it reaches to him. Also, notifying his/her favorite spots available near to his current location when in travel. Our best efforts appear in presenting the most accurate and realtime data available to users all the time.

SYSTEM FEATURES:

- The user can track where the vehicle is moving.
- The user can estimate the arrival time of the vehicle.
- The user can find the distance traveled by the vehicle.
- The user can receive notifications about his favorite spots near his current location.

As a part of our project's 1st increment, we have implemented the Login page, a register page and on successful login redirects to the Home page. At first, a new user needs to register and can login using his name email and the password. Here we will be using the Google Maps location API to get the current location of the user.

FEATURES:

1. Google Location Services: Google's location services is implemented as two features i.e Location Reporting, and Location History:
 - (1) Location Reporting is the feature that shows you places nearby, suggests local businesses, or helps you find the favorite spots by tracking the device.
 - (2) Location History is the feature that keeps track of where you've been, tracks the moving vehicle and for estimating the distance traveled by car using the smartphone.
2. Push Notification: Once the user sets his favorite spots, in case if there is any favorite spot nearby then a notification will be given to his device.
3. Map Locations: We are integrating the google maps to our application so that the user can view the exact location on the maps and locate the favorite spots nearby and also for tracking the vehicle.
4. Gesture Recognition: The gesture recognition API allows to register callback functions to be called when the user performs meaningful gestures like shaking the device which helps you display your favorite spots.

SERVICE DESCRIPTION:

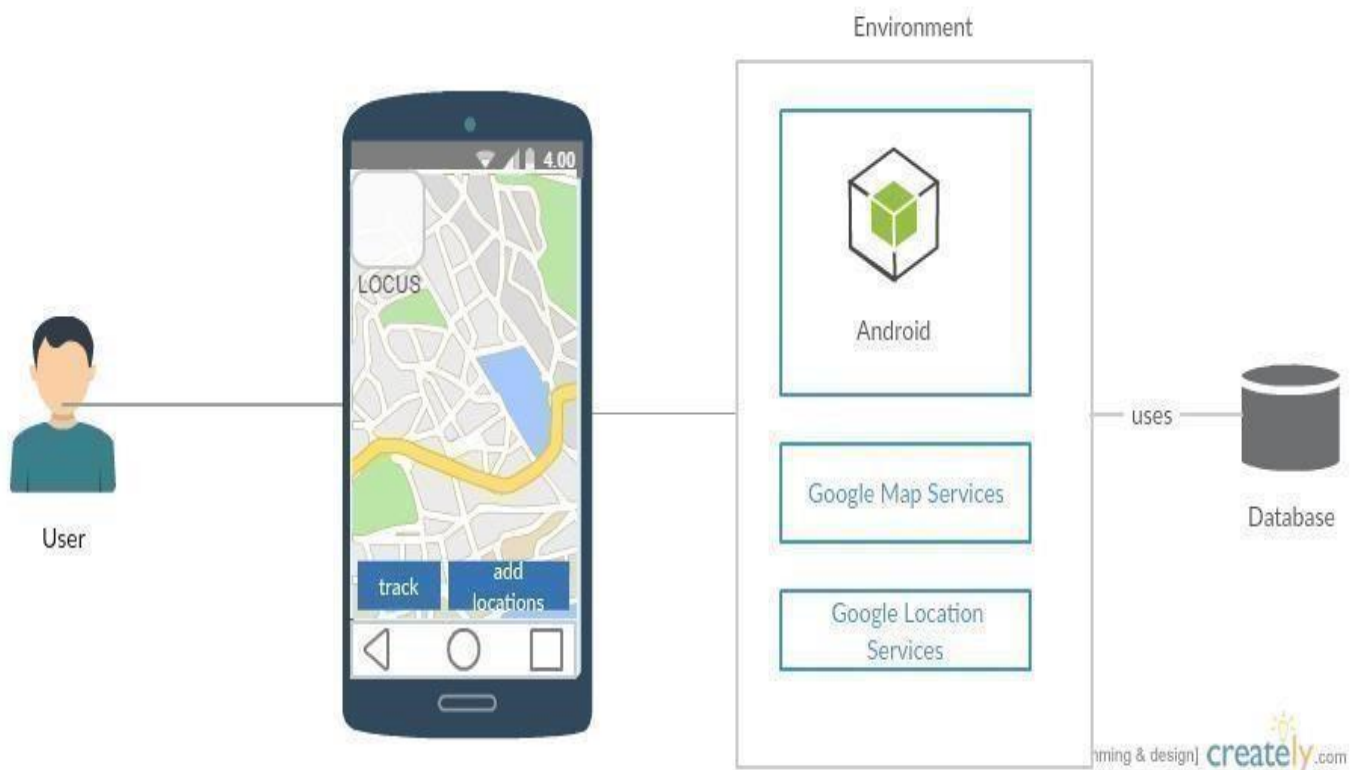
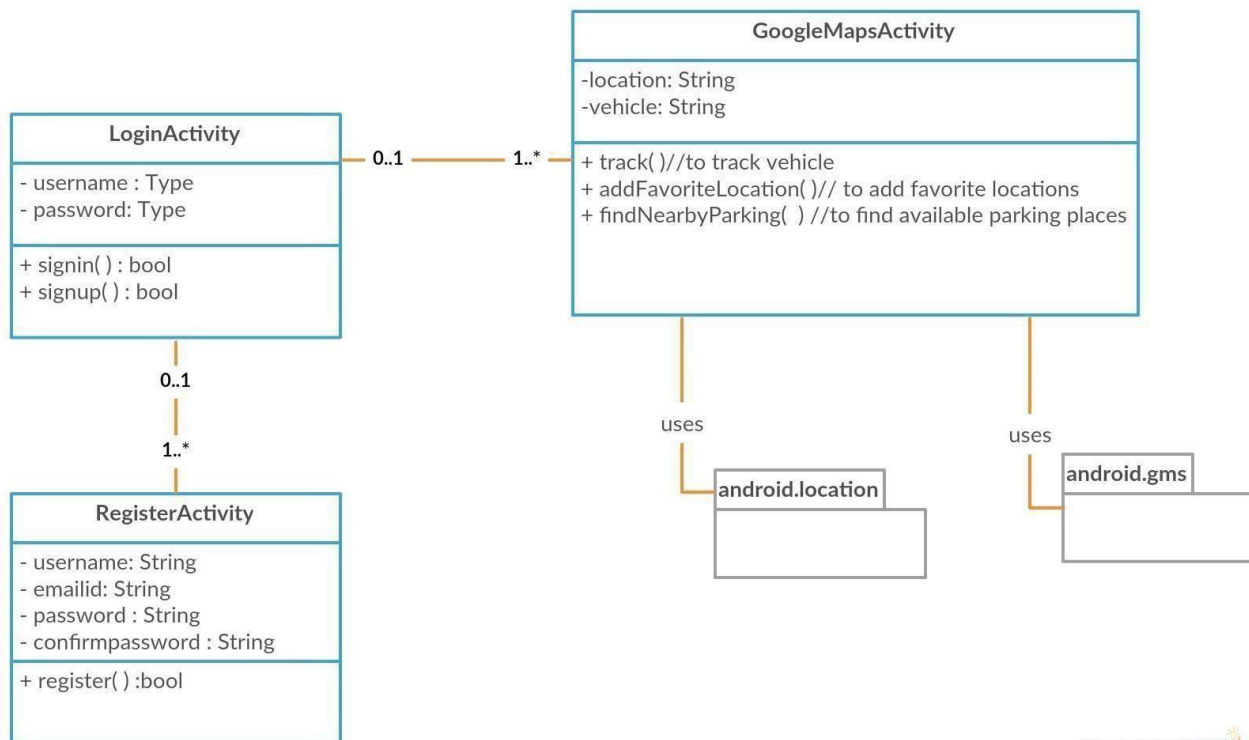
1. Maps: Maps information is displayed using the Google Maps API which gives us the information about the houses in a locality.
2. Gesture Recognition: The gesture Recognition API is used to pin the favorite spots of the user using the Gesture Recognition Toolkit(GRT).
3. Locations: To get the auto locations fill we will be using the Auto Location fill API.

GITHUB URL:

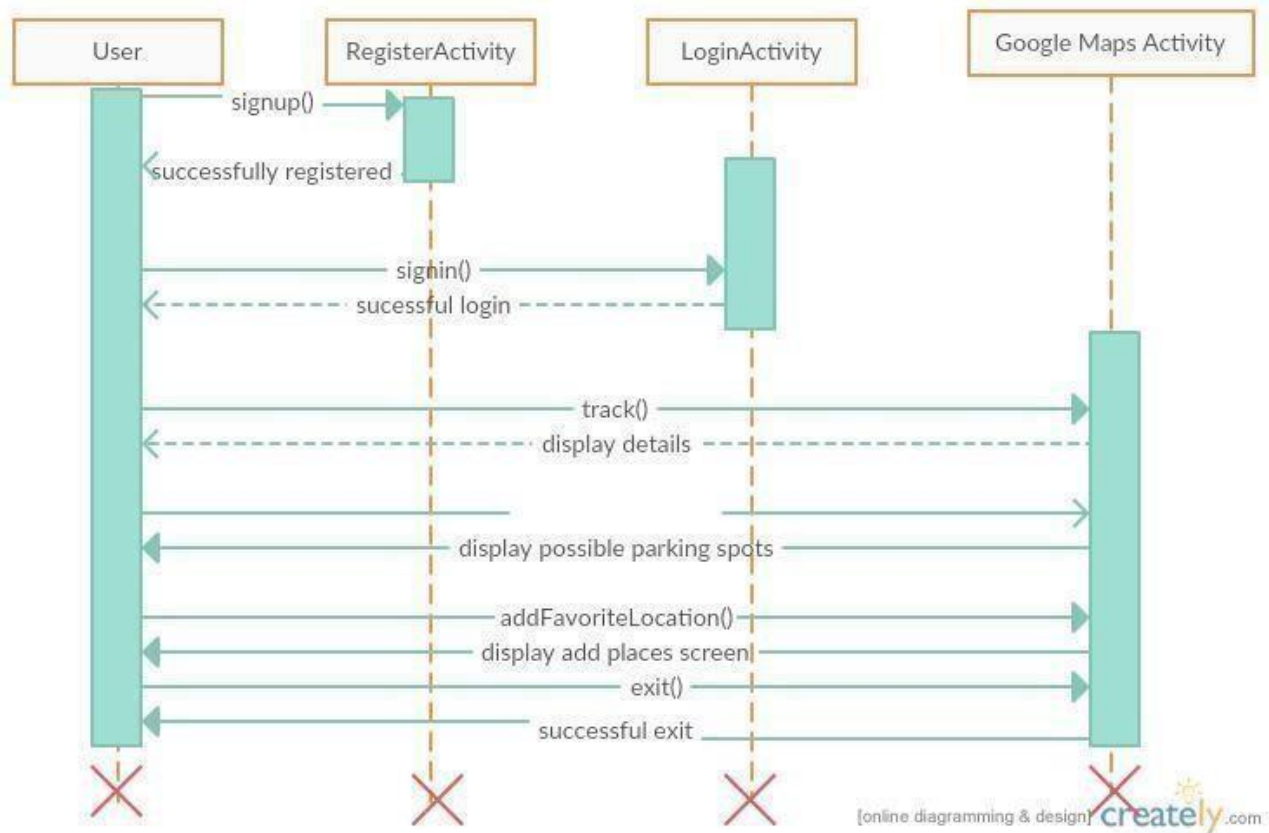
https://github.com/PallayVenkatesh/ASE_Project

ARCHITECTURE DIAGRAM:

CLASS DIAGRAM:



SEQUENCE DIAGRAM:



ISSUES TOOLBAR:

PallyVenkatesh / ASE_Project

Watch 2 Star 0 Fork 0

<> Code Issues 3 Pull requests 0 Boards Reports Projects 0 Wiki

View Repos (1/1) Show one Labels Milestones Assignees Epics

Search (/)

Add a Pipeline ...

In Progress 1

ASE_Project #1
Project report
Increment - 1

Review/QA 0

Done 0

Closed 4+

ASE_Project #3
Code and Documentation
Increment - 1

ASE_Project #5
Test Cases for Login and Registration Page
Increment - 1

ASE_Project #2
UML Diagrams

ASE_Project #4
Create Wire Frames

Load more issues...

This repository Search Pull requests Issues Gist ToDo

PallyVenkatesh / ASE_Project

Watch 2 Star 0 Fork 0

<> Code Issues 0 Pull requests 0 Boards Reports Projects 0 Wiki

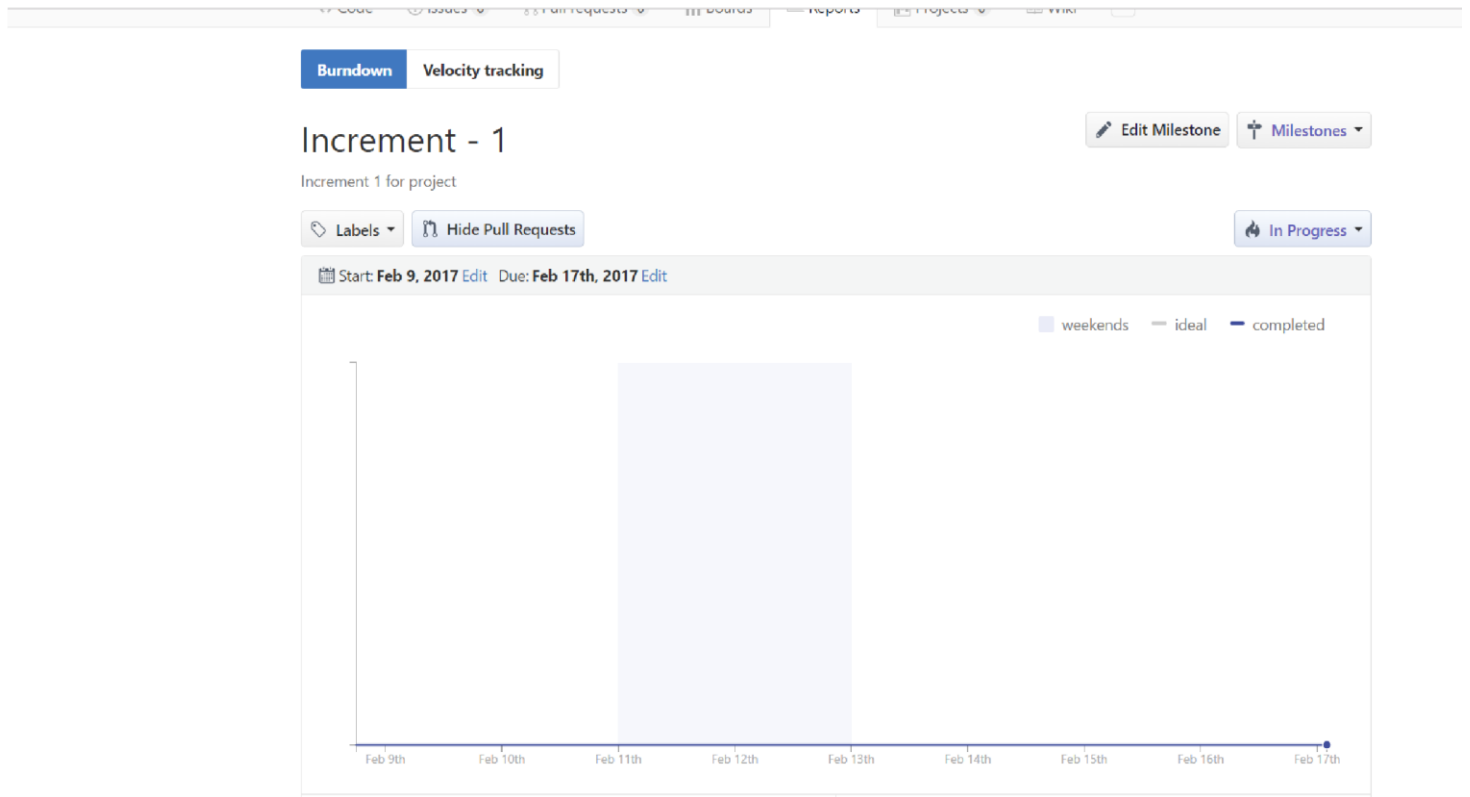
Filters is:issue is:closed Labels Milestones New issue

Clear current search query, filters, and sorts

	0 Open	5 Closed	Author	Labels	Milestones	Assignee	Sort

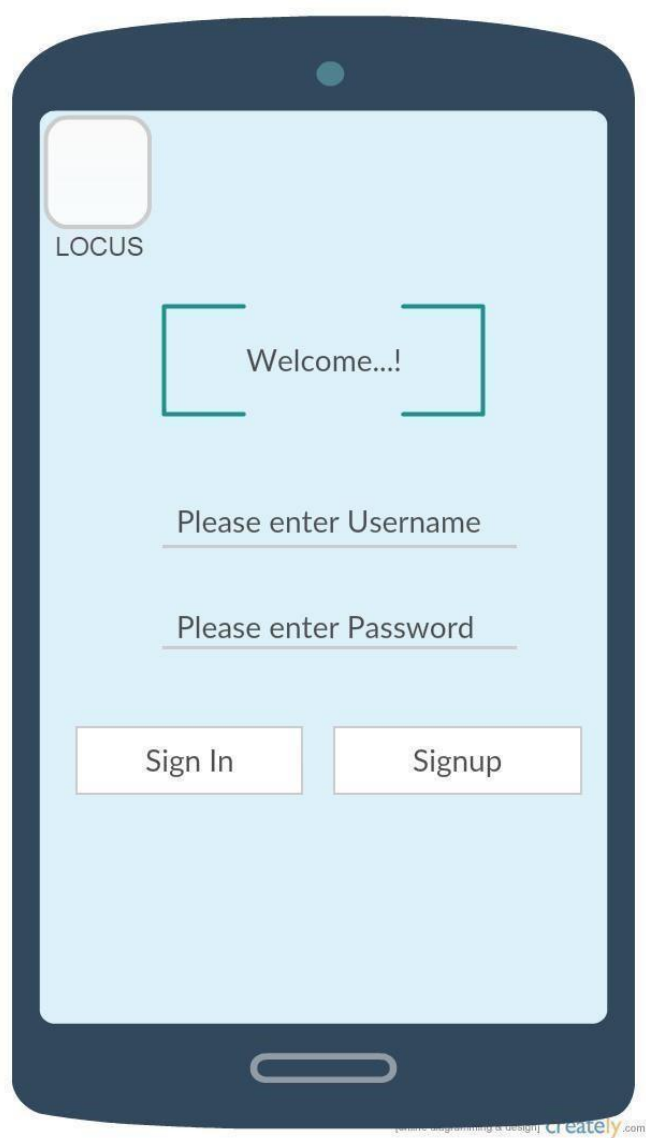
ProTip! Adding no:label will show everything without a label.

BURNDOWN GRAPH:



WIREFRAME

LOGIN PAGE



REGISTRATION PAGE:

LOCUS

Register Here...!

Please enter Username

Please enter Email Address

Please enter Password

Confirm Password

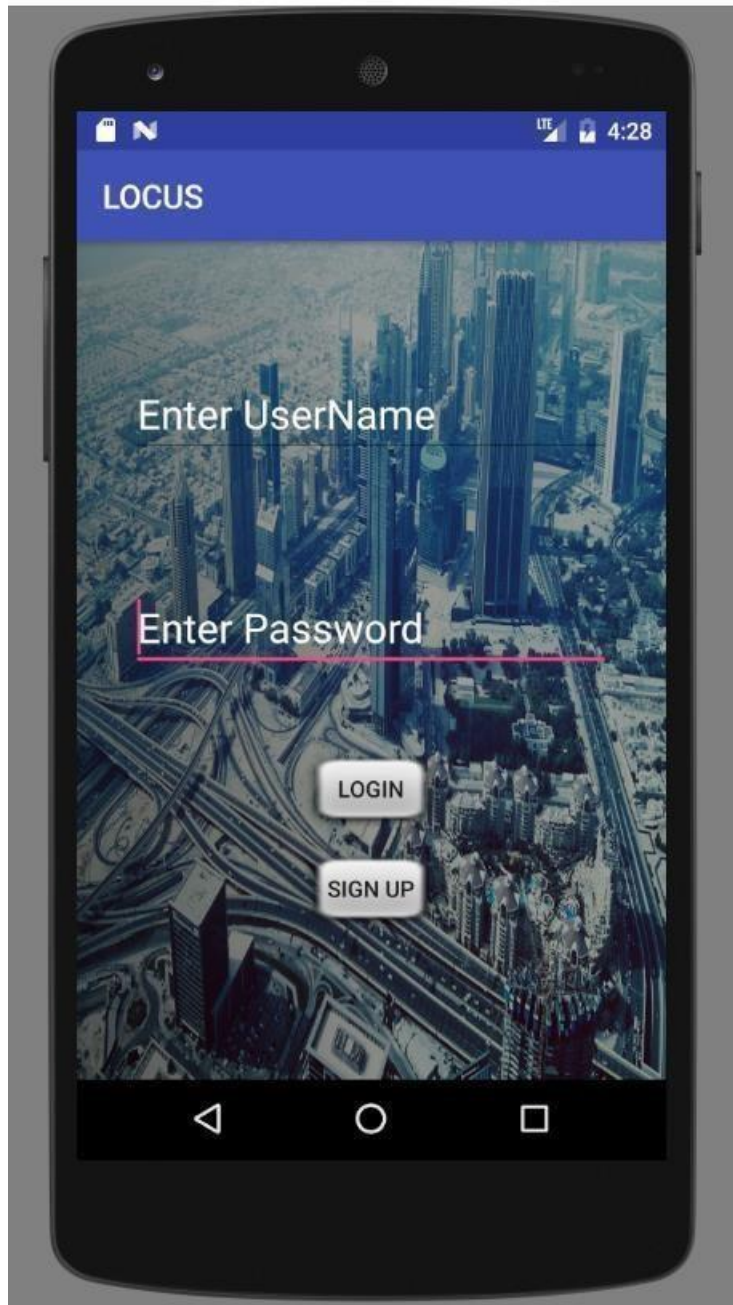
☐ I agree to the terms and condition

register

MOCK-UPS:

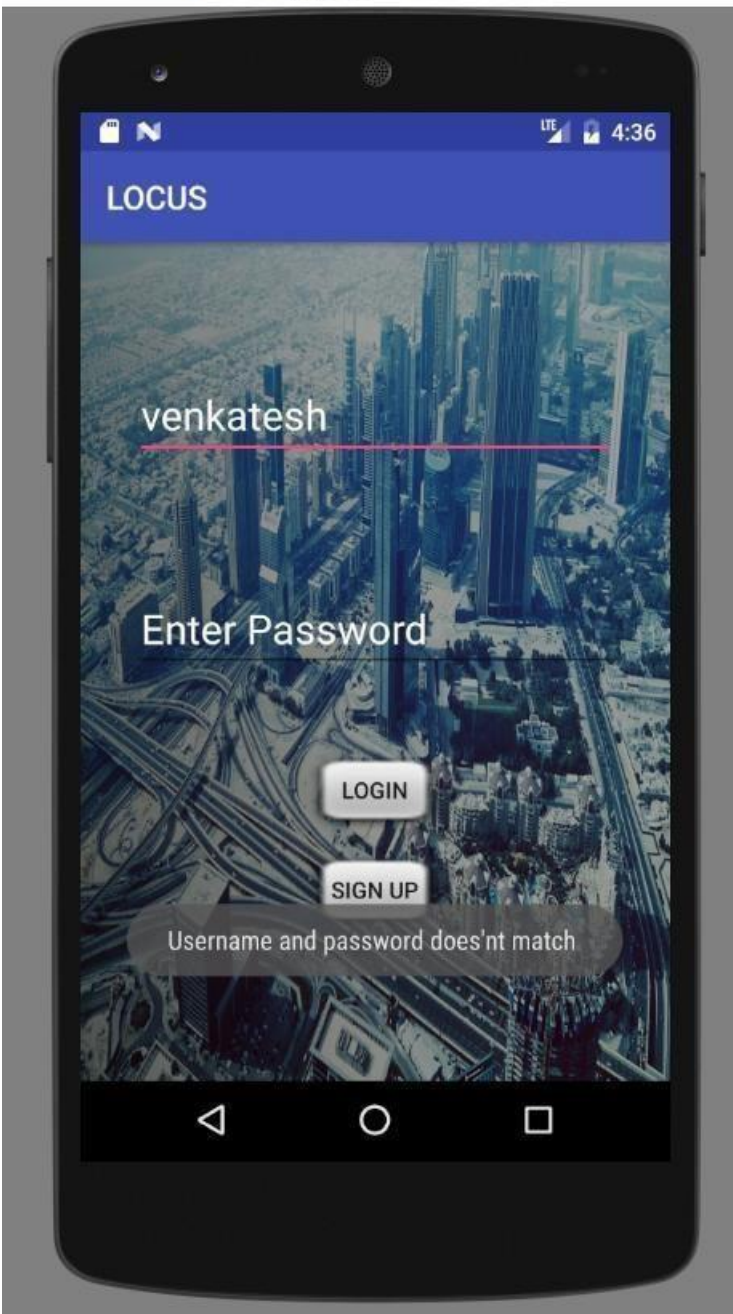
LOGIN PAGE:

Android Emulator - Nexus_5_API_24:5554



LOGIN PAGE VALIDATION:

Android Emulator - Nexus_5_API_24:5554



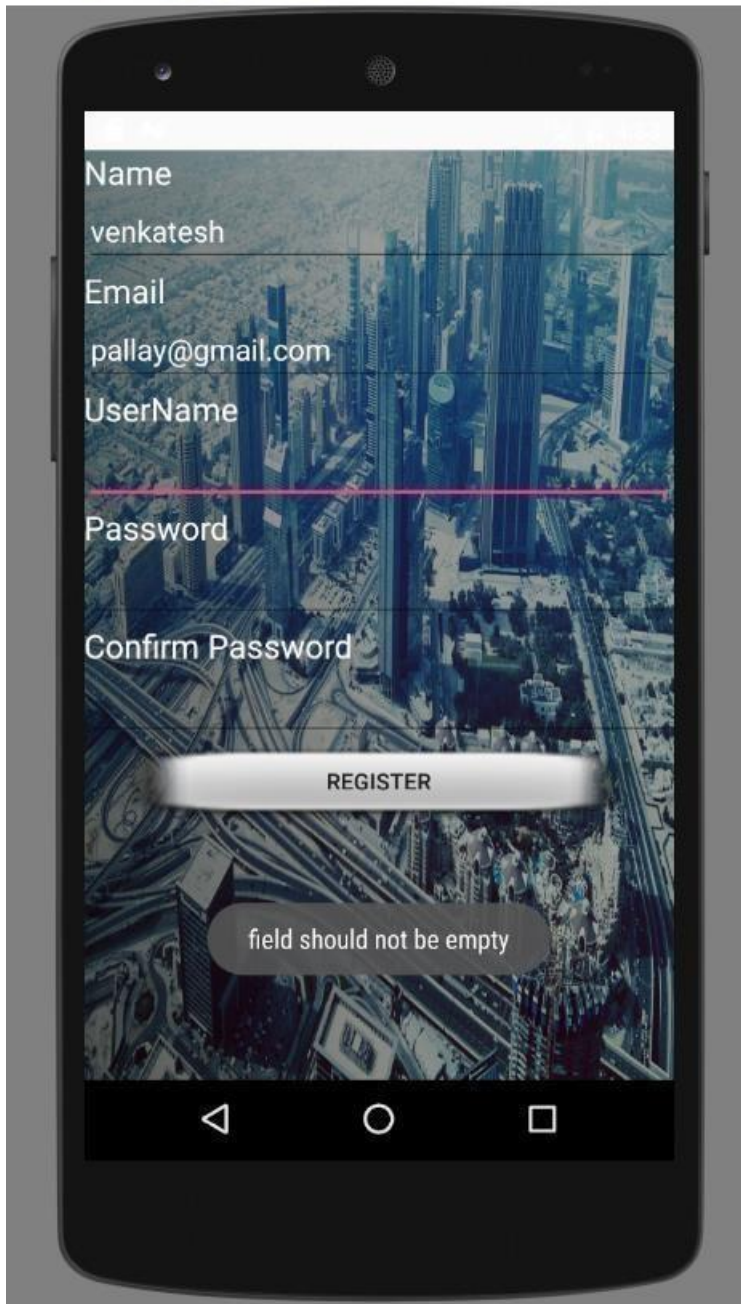
REGISTER PAGE:

Android Emulator - Nexus_5_API_24:5554



REGISTER PAGE VALIDATION:

Android Emulator - Nexus_5_API_24:5554



The screenshot displays a registration form on an Android emulator. The form includes fields for Name, Email, UserName, Password, and Confirm Password. The Name field is filled with 'venkatesh' and the Email field with 'pallay@gmail.com'. The Password field is empty and has a red validation line across it. The Confirm Password field is also empty. A 'REGISTER' button is located below the fields. A validation message 'field should not be empty' is shown in a grey bubble at the bottom of the form. The background of the form is a cityscape image. The Android navigation bar is visible at the bottom.

Name
venkatesh

Email
pallay@gmail.com

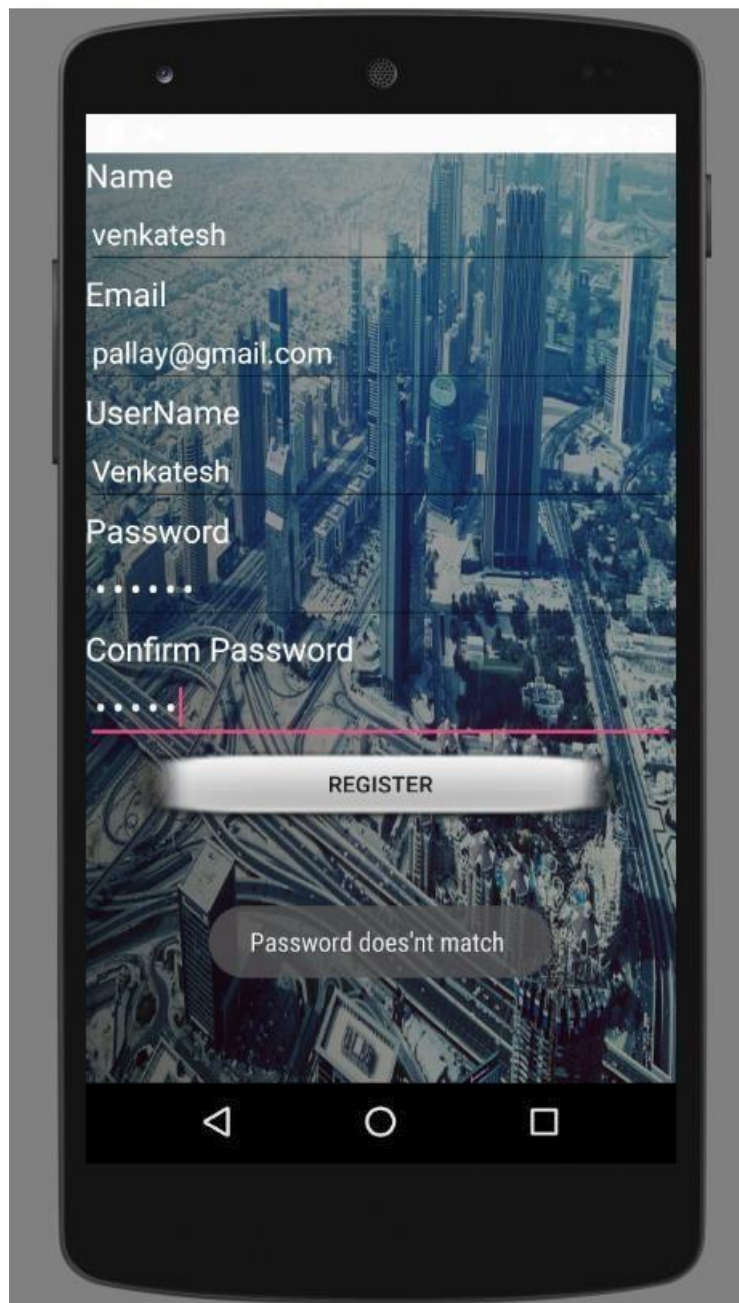
UserName

Password

Confirm Password

REGISTER

field should not be empty



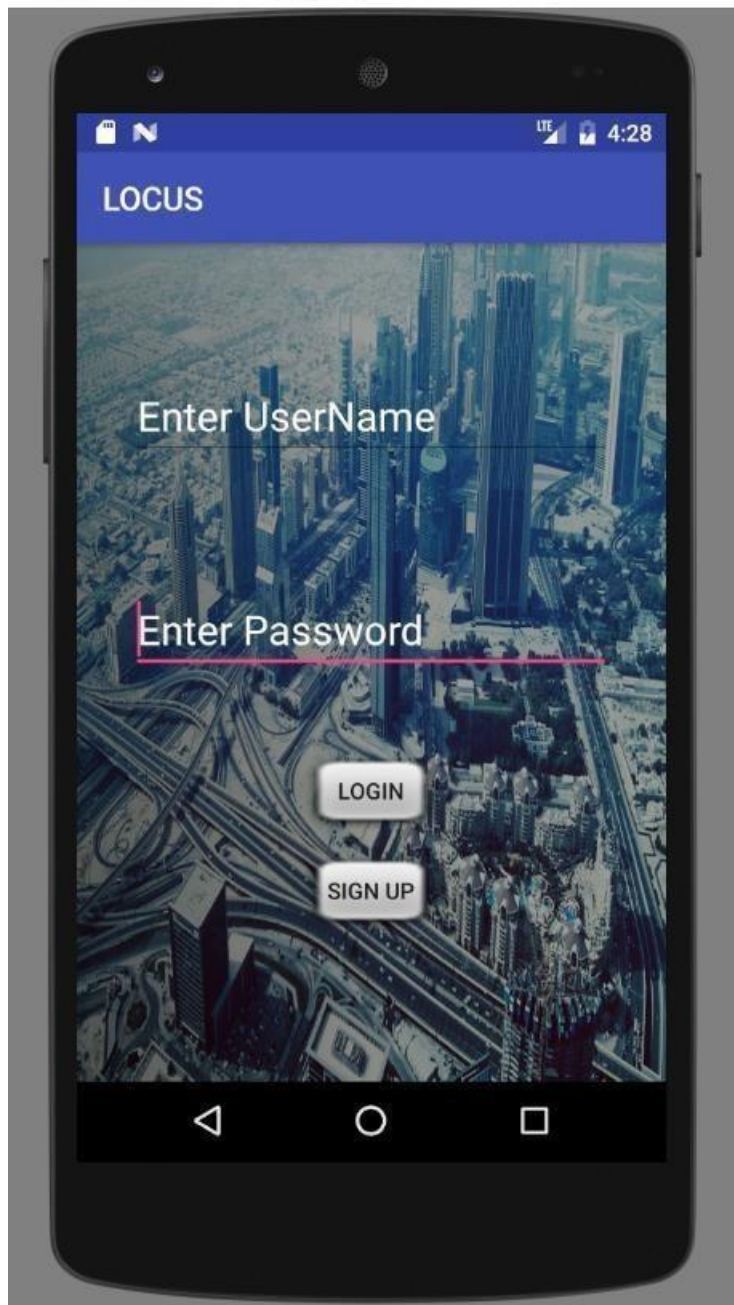
TEST CASES:

Test Case Name	Test Description	Expected Results	Pass/Fail
Login	Enter Invalid Userid and Invalid Password	Invalid Login Error Message should be displayed	Pass
	Enter Valid Userid and Invalid Password	Invalid Login Error Message should be displayed	Pass
	Enter Valid Userid and Valid Password	Application Should Be Redirected to Home page	Pass
Sign Up	Enter Email Id without @	Invalid Email id should be displayed	Pass
	Enter different confirm password	Invalid Error Message should be displayed	Pass
	Blank Spaces	Invalid Message should be displayed	Pass

FINAL SCREEN SHOTS:

LOGIN PAGE:

Android Emulator - Nexus_5_API_24:5554



REGISTER PAGE:

Android Emulator - Nexus_5_API_24:5554



The screenshot shows a registration form on a Nexus 5 emulator. The form is overlaid on a background image of a city skyline. The form fields are labeled 'Name', 'Email', 'UserName', 'Password', and 'Confirm Password'. Each field has a corresponding input area. A red horizontal line is visible across the 'Email' field. Below the form fields is a 'REGISTER' button. The Android navigation bar is visible at the bottom of the screen.

Name

Email

UserName

Password

Confirm Password

REGISTER

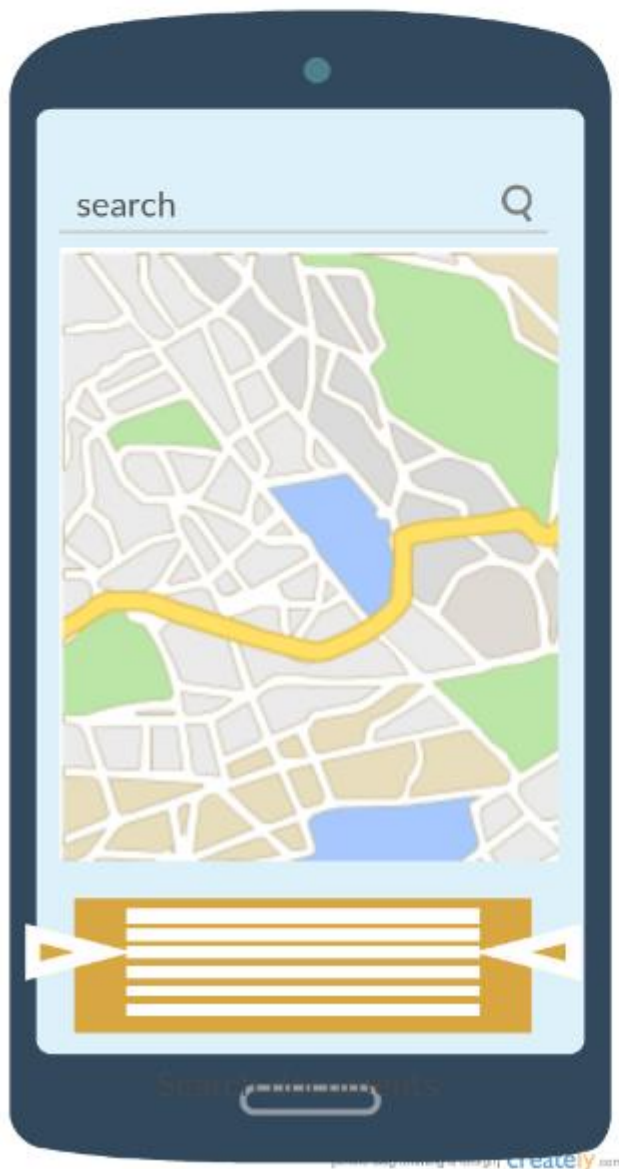
INCREMENT 2(FAVORITE LOCATION MANAGER and Current Location Update)

PallayVenkatesh edited this page 21 minutes ago - 3 revisions

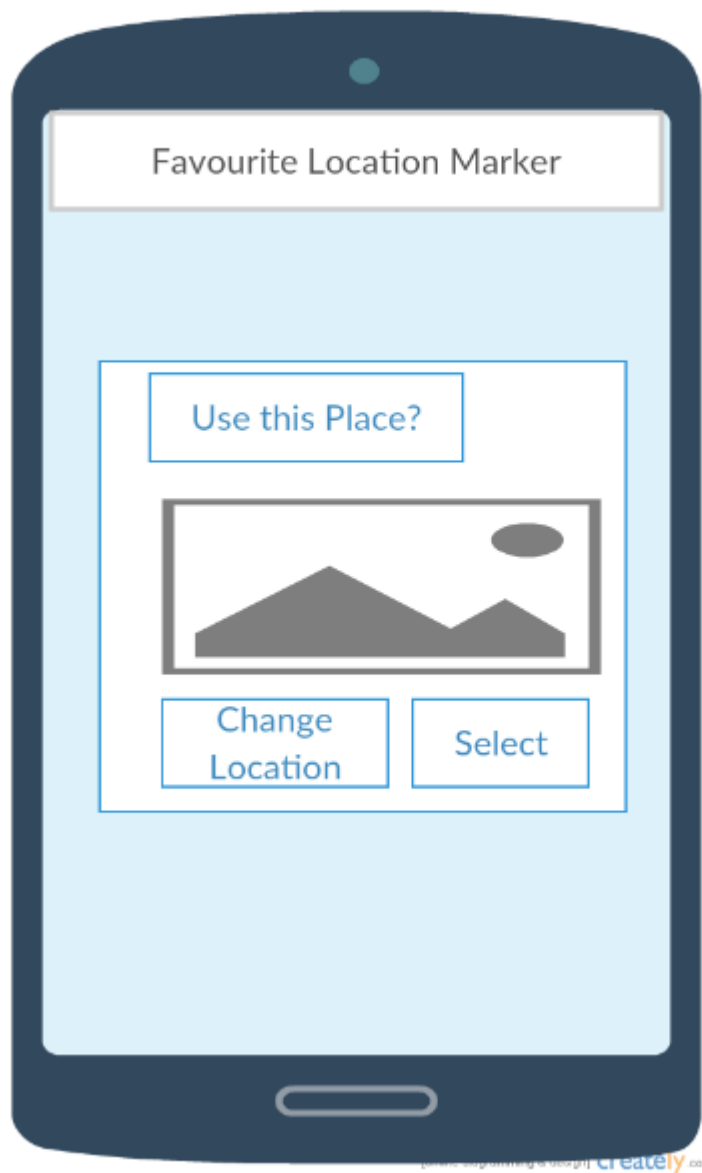
Location Manager Module

WireFrame Design

Map intent Design



Dialog Window Design

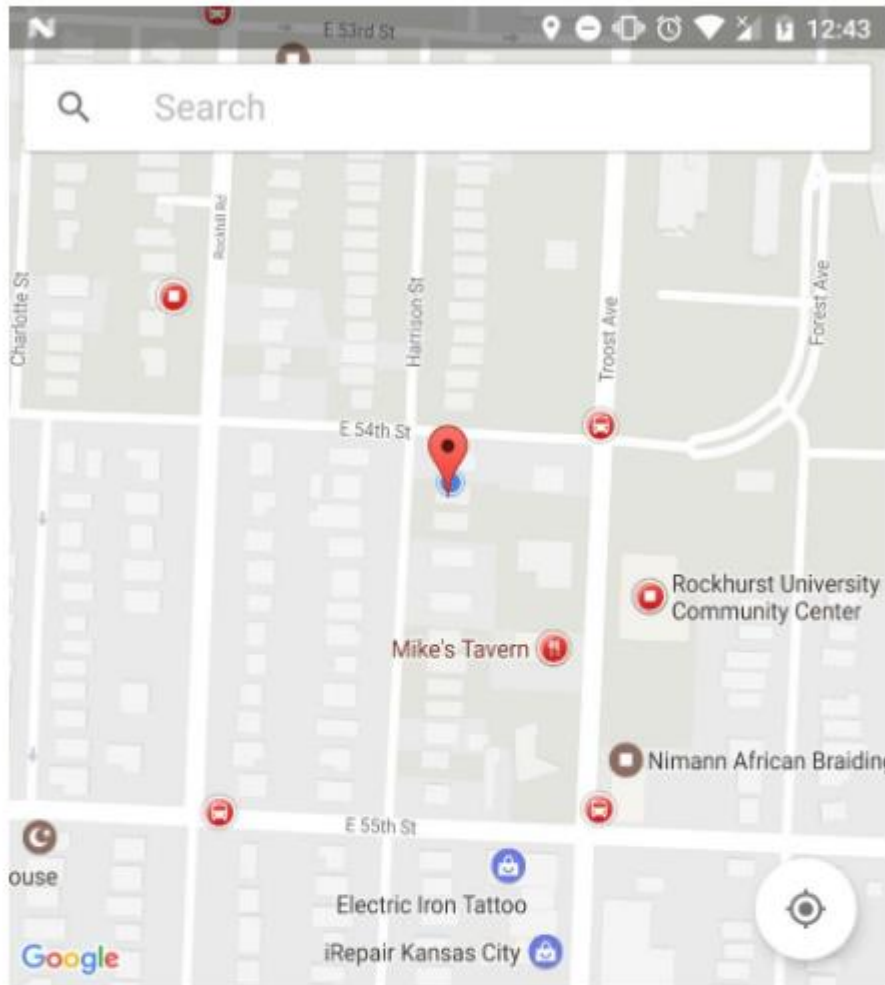


Favorite Location List Design



Output Screens

Place Marker Intent



Select this location

Or choose a nearby place

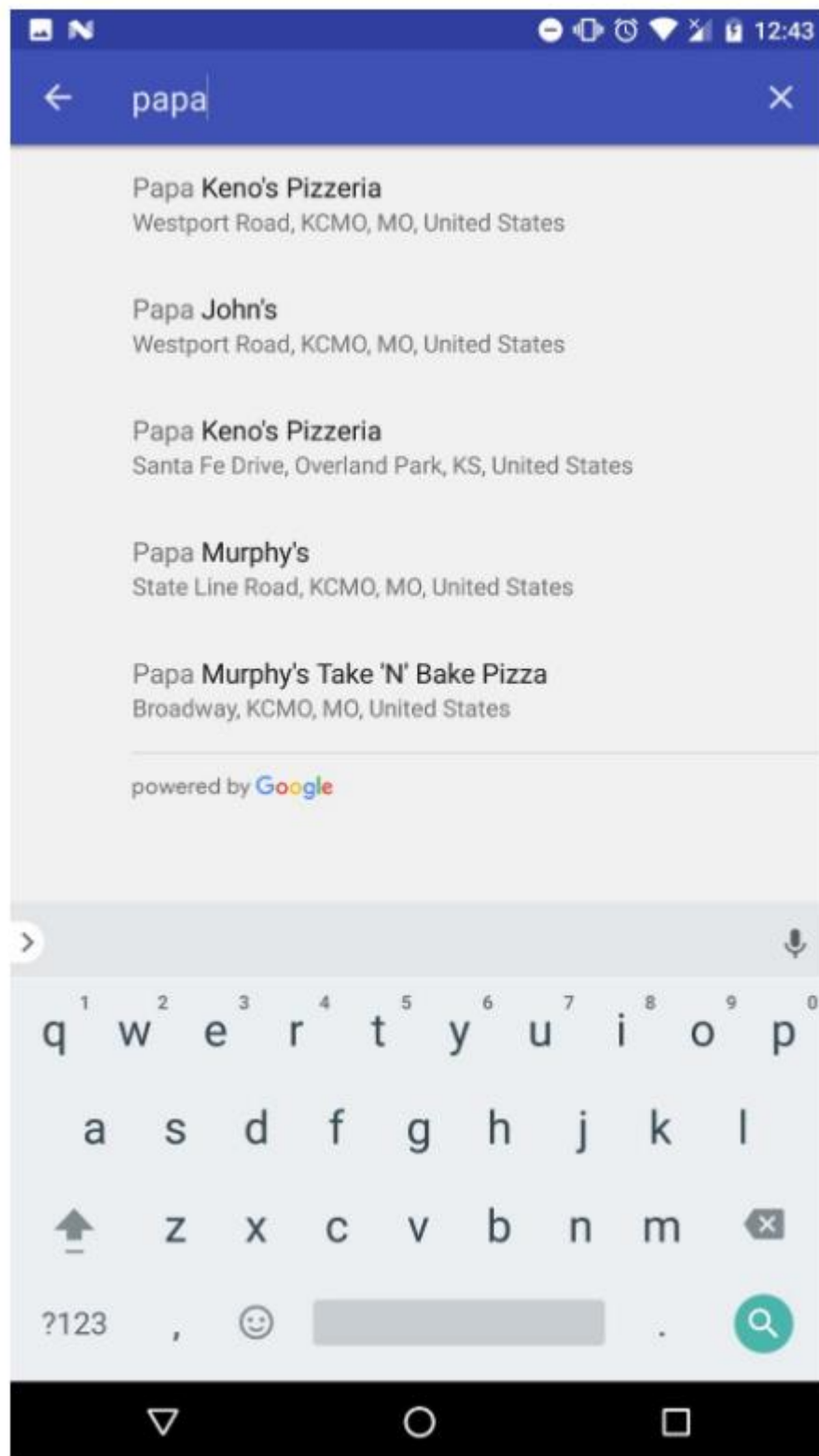


University of Missouri-Kansas City
5100 Rockhill Rd, Kansas City, MO 64110, USA

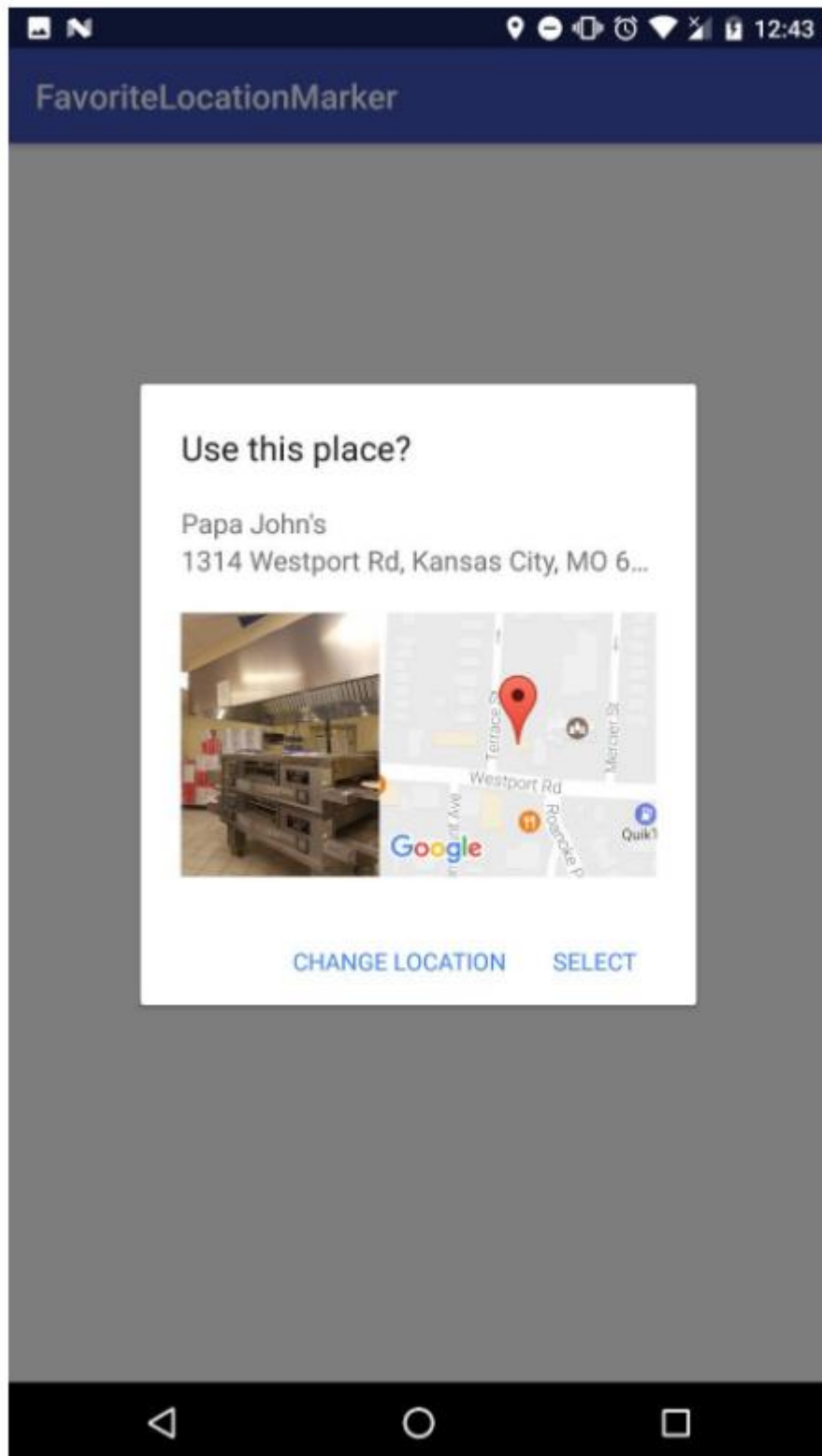


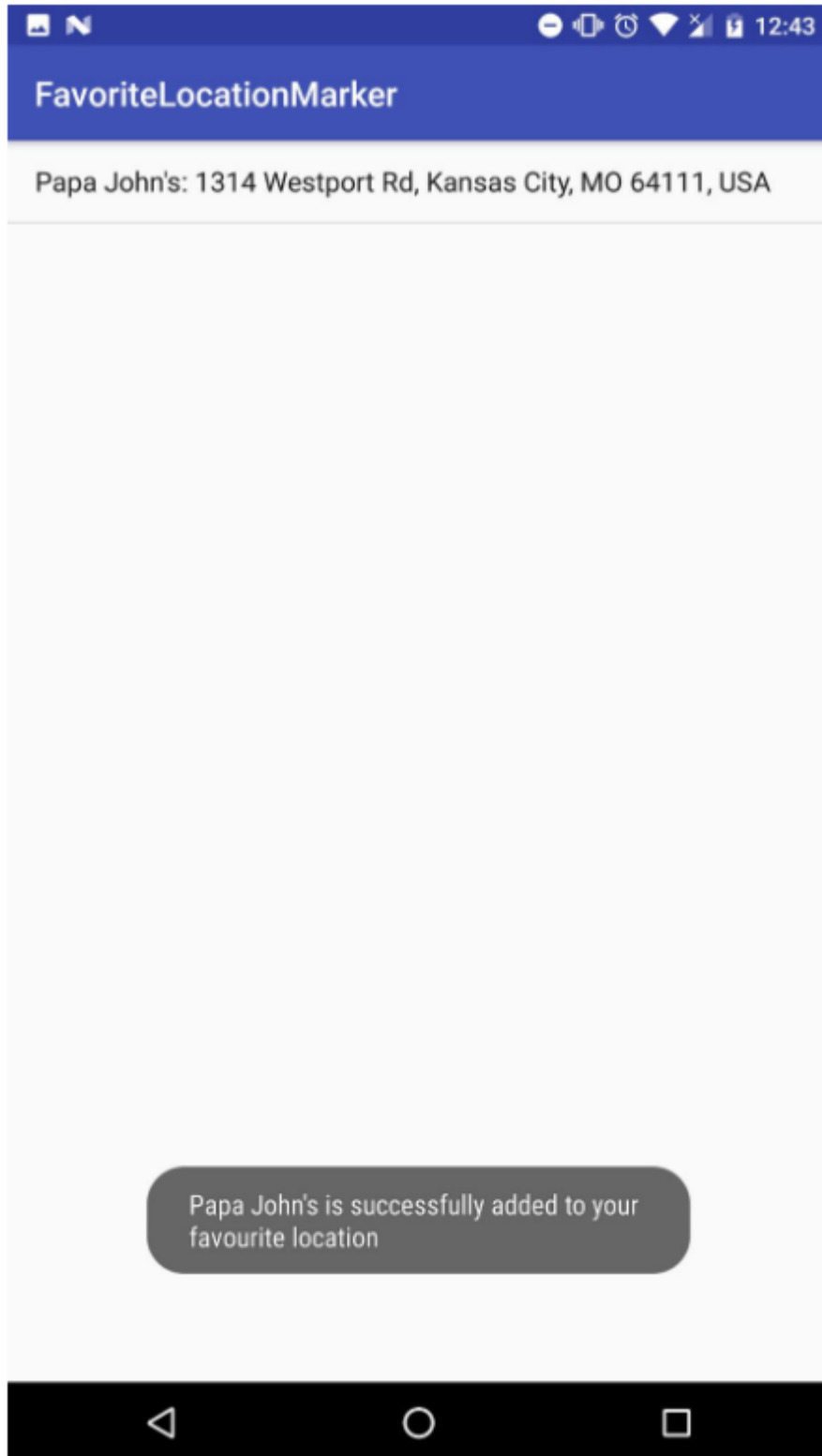
Rockhurst University
1100 Rockhurst Rd, Kansas City, MO 64110, USA





Set Favorite Location Dialog

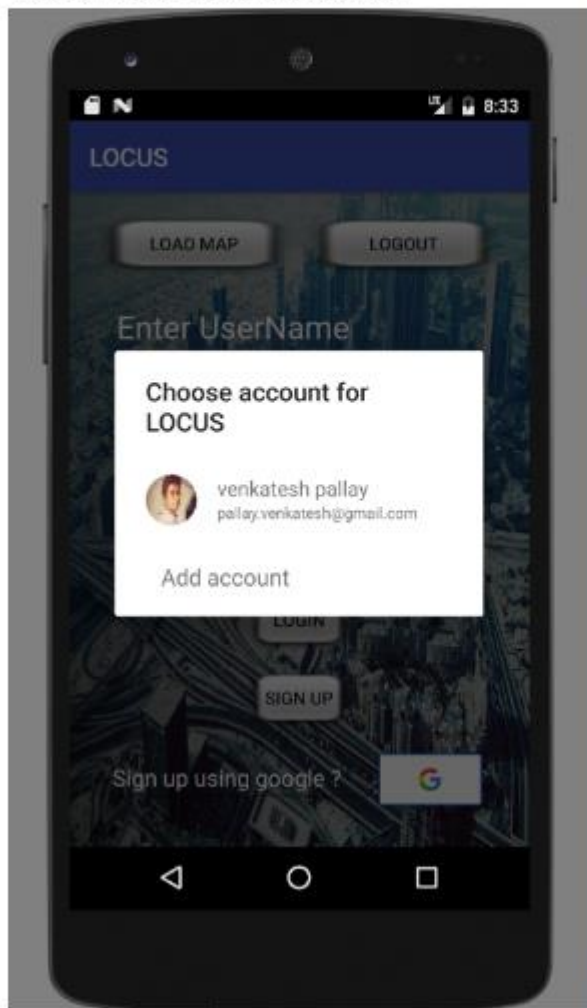




getting Current Location Module

OAuth Screen

Android Emulator - Copy_Nexus_5_API_24-5554



Getting Current Location (Home Screen)

