

Description

Intended User

Features

User Interface Mocks

Screen 1

Screen 2

Screen 3

Key Considerations

How will your app handle data persistence?

Describe any edge or corner cases in the UX.

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

Next Steps: Required Tasks

Task 1: Project Setup

Task 2: Implement UI for Each Activity and Fragment

Task 3: Implement Google Play Services

Task 3: Preparing Permission

Task 4: Create Classes

Task 5: Saving Data

Task 6: Refresh Weather

Task 7: Build Widget

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## WeatherApp

Description

Weather App gets the current weather status for your chosen areas and save it on your phone for later offline check

Intended User

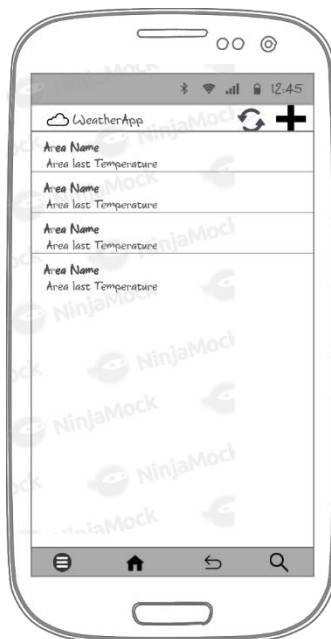
Users who follow weathers status

## Features

- Gets the weather of chosen area
- Saves weather information
- Display weather information (online/offline)
- Display weather information in Widget

## User Interface Mocks

### Screen 1



MainActivity which contains RecyclerView for areas and short temperature description for each one

And a button for adding new area

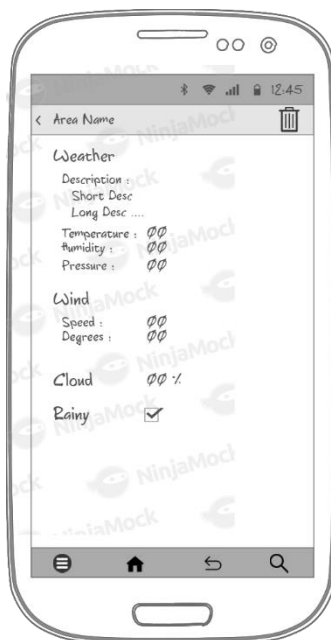
Another button to refresh weather data

## Screen 2



AreaAddActivity which contains map which helps user to choose an area to add to his list and also contains two labels to displays indicated position name and user's location name

## Screen 3



AreaDisplayActivity which contains Clicked Area weather information

Add as many screens as you need to portray your app's UI flow.

## Key Considerations

**How will your app handle data persistence?**

Room Persistence Library

**Describe any edge or corner cases in the UX.**

Users can return to the back activity from any activity using back button or using top left back button

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

Location: will be used to help user to get his current location

Maps: will display user's location and indicator for choosing an area to add to his weather list

OpenWeatherMap API: app will use this to get current weather information while being online

By user request to refresh data .

## Next Steps: Required Tasks

### Task 1: Project Setup

- Create a developer account in openweathermap.org
- Waiting for confirmation mail of activation status on mail
- Get the Default API key for the created account
- Get necessary google API Keys

### Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for AreaAddActivity
- Build UI for AreaDisplayActivity
- Build UI for AreasRecyclerview
- Build UI for AreasRow

### **Task 3: Implement Google Play Services**

- Implement Maps
- Implement Location

### **Task 3: Preparing Permission**

- Get Location Permission
- Implement Location

### **Task 4: Create Classes**

- Create model for Area
- Create adapter for Areas
- Create AsyncTask for update weather
- Create interface for on weather updated
- Create interface for on area click

### **Task 5: Saving Data**

- Save chosen position

### **Task 6: Refresh Weather**

- Get weather data for saved positions
- Save it in using room
- Display it in MainActivity

### **Task 7: Build Widget**

- Build UI for Widget
- Create Controller Class for Widget

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

