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# Longitodo

## Description

Longitodo is for people with important things to do and places to be. Longitodo takes the normal TodoList one step further. Users can make detailed task lists and associate each item with a place on the map.

## Intended User

Mobile Individuals with tasks commonly in different geographic locations.

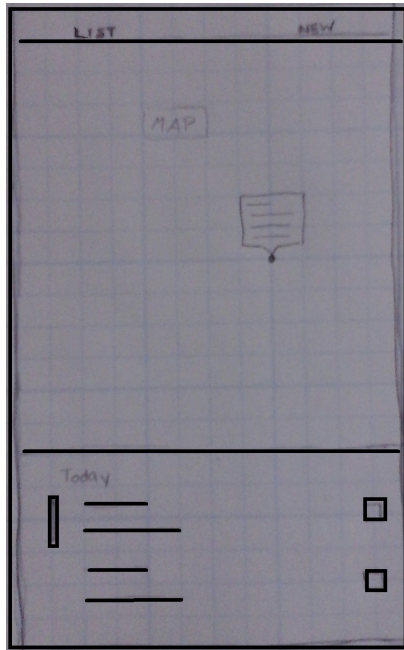
## Features

- Maps task with a spatial component
- Create detailed task lists including (title,description, priority, and place)
- Share Tasks

## User Interface Mocks

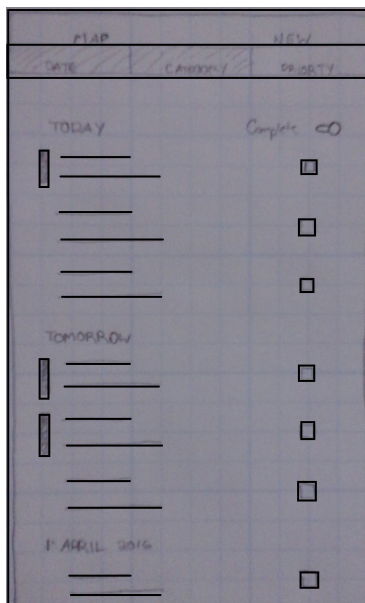
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

### Screen 1



Main Activity - (Map & List)

### Screen 2



List Activity (Sortable list of tasks)

### Screen 3

P1A0 P1A1

Task Name

Important

Origin/Time

Description

Grandpa's House

Task Detail View

### Screen 4

P1A0 P1A1

Task Name

Important

Origin/Time

Description

Grandpa's House

Add & Edit Activity - (Same as Detail but with EditText)

## Screen 5



MapTaskActivity

## Key Considerations

How will your app handle data persistence?

The app will use both SharedPreferences & a Content Provider to handle data persistence.

Describe any corner cases in the UX.

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

- Schematic - Content Provider
- Databinding or Butterknife
- Google Play Services
  - Google Maps
  - Google Places API
  - AdMob
- Android Design Support Library

## Next Steps: Required Tasks

### Task 1: Project Setup

- Start new Project (Empty or tabbed)
- Add Gradle Dependencies

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

- Build UI for MainActivity
- Build UI for SortableTaskListView Fragment
- Build UI for TaskDetail Fragment
- Build UI for AddEdit Fragment
- Build UI for MapTaskFragment

### Task 3: Build Models & Content Provider

Describe the next task. For example, “Implement Google Play Services,” or “Handle Error Cases,” or “Create Build Variant.”

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

- Create layout
- Something else

### Task 4: Google Play Services

- Setup New project in Google play console
- Connect to Google Play in a Modular fashion
- Implement Map in needed locations
- Implement Google Places API in MapTask Fragment

### Task 5: Others

- Widget
- Accessibility
- RTL

## Task 6: Build paid / free flavors

- Ads / No ads