

GitHub Username: shigabov

ToDoGeo

Description

This is a business app for manage your everyday tasks. You can create task with a lot of options, attach task to a place on a map and/or a time and app will automatically notify you when you will be in a right place and/or a right time.

Intended User

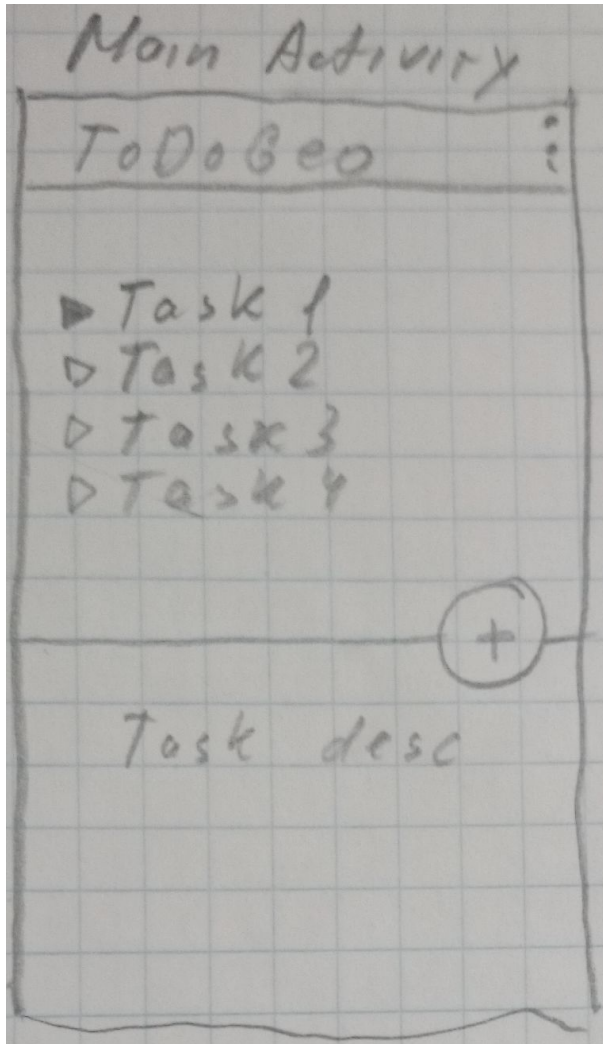
Everybody

Features

- *Saving user tasks*
- *Manage tasks*
- *Notify user about task*
- *Connect tasks with places on a map*
- *Saving user places*

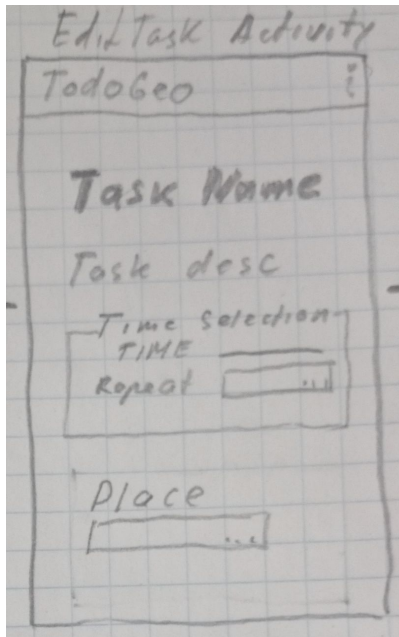
User Interface Mocks

Screen 1



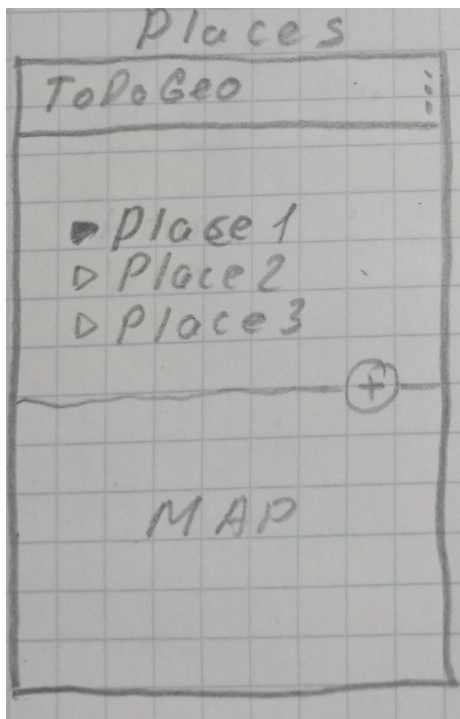
This screen shows list of tasks, description for selected task, fab button to add a task

Screen 2



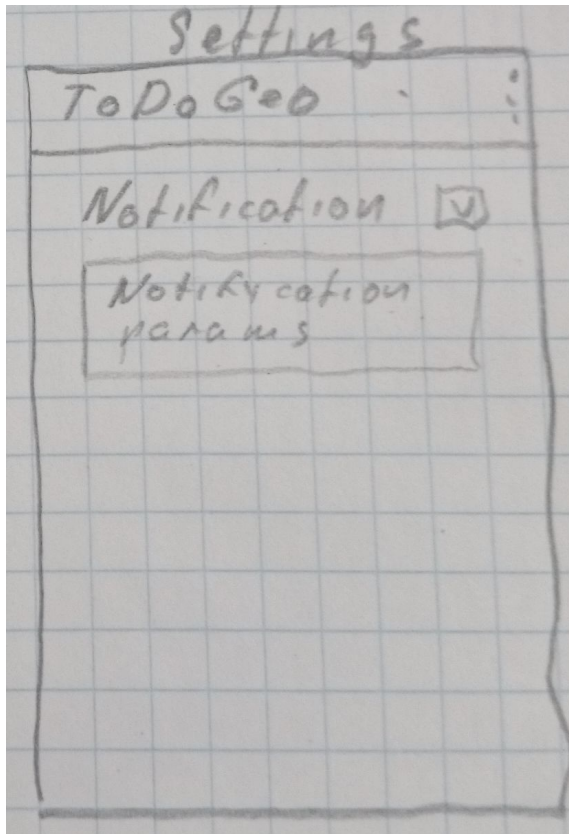
Screen shows tasks' information. It allows to change task attributes or delete task.

Screen 3



Screen shows user saved places. It allows add a new place using fab button or delete a place.

Screen 4



Screen allow to change app's setting such as notification's params e.t.c.

Key Considerations

How will your app handle data persistence?

App will save data locally in a SQLite database using a content provider. User preferences saves in preference file.

Describe any corner cases in the UX.

If user hits the back button he returns to the app's main activity. User selects place by tapping on a map. User selects event date from the calendar widget. User can browse events by swiping pages horizontally.

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

Next Steps: Required Tasks

Task 1: Project Setup

- Select sdk versions
- Declare permissions
- Configure libraries
- Configure build variants
- Create resources (two language: english and russian)

Task 2: Implement UI for Each Activity and Fragment

- Choose app theme
- Build UI for MainActivity
- Build UI for Edit Task activity
- Build UI for Setting activity
- Build UI for Places activity
- Build UI for a widget

Task 3: Create Content Provider

- Create database structure
- Create Contract class
- Create ContentProvider class

Task 4: Create service

- Create service for tracking user`s location and showing notifications

Task 5: Create activities/classes

- Create main activity
- Create edit task activity

- Create places activity
 - Create map fragment
- Create preference activity
- Create widget class

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"