

Be5edmetak Mobile Application

Technical Documentation

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INTRODUCTION

PURPOSE

This app will become a solution for two kinds of users, the main user and the service provider.

Firstly, the main user, where these users don't have time, and need help or support in some miny and simple tasks which can be accomplished without previous skills..

Secondly user is the service provider, almost will be youth who have time to provide a service, and want to gain money in this time.

So at the beginning, the main user should buy one of the 3 packages provided: 10, 20 and 30 jd. Then he can write a post with his miny task category, description, estimated cost, location and if the task is urgent or can be scheduled.

The app will automatically discount a quarter, and post the post with updated cost.

After that the service provider can go and search for specific category, cost or location.

And book the task..

Then the main user can choose one from providers, depend on rating.

PROJECT SCOPE

- Help users to accomplish their small tasks with low price.
- Provide the services with high quality, easy way and quickly.
- Help these youth service providers to find source of income.

DESCRIPTION

FEATURES

- Sorting the posts:
In this feature, the user can filter the posts depends on 4 main criteria: its category, cost, location and the time to provide the service(if its urgent or can be scheduled)
- Selection from service providers:
The user can select from the service providers they booked the post, the one he wants to deal with, depends on his information and rating.
- Rating:
The app allow the user and service provider to rate each other to maintain the quality of service
- The calculator:
The service provider will have a calculator in his dashboard, calculating the total amount he gains form the app, to encourage them to keep motivated.
- Publishing the app..

USER OVERVIEW

The main users:

who don't have time, and need help or support in some miny and simple tasks which can be accomplished without previous skills..

The service provider:

almost will be youth persons who have time to provide a service, and want to gain money in this time.

OPERATING ENVIRONMENT

This app is cross-platform app, so its compatible with ios and android platform. And it requires the android studio to run the app on it..

CONSTRAINTS: IMPLEMENTATION / DESIGN

- Expo:
Expo is an open source toolchain that helps you to develop React Native mobile apps at a super fast speed using JavaScript and React.
- Visual Studio:
free and open source code editor. It works on cross platforms like Windows, Mac, and Linux.

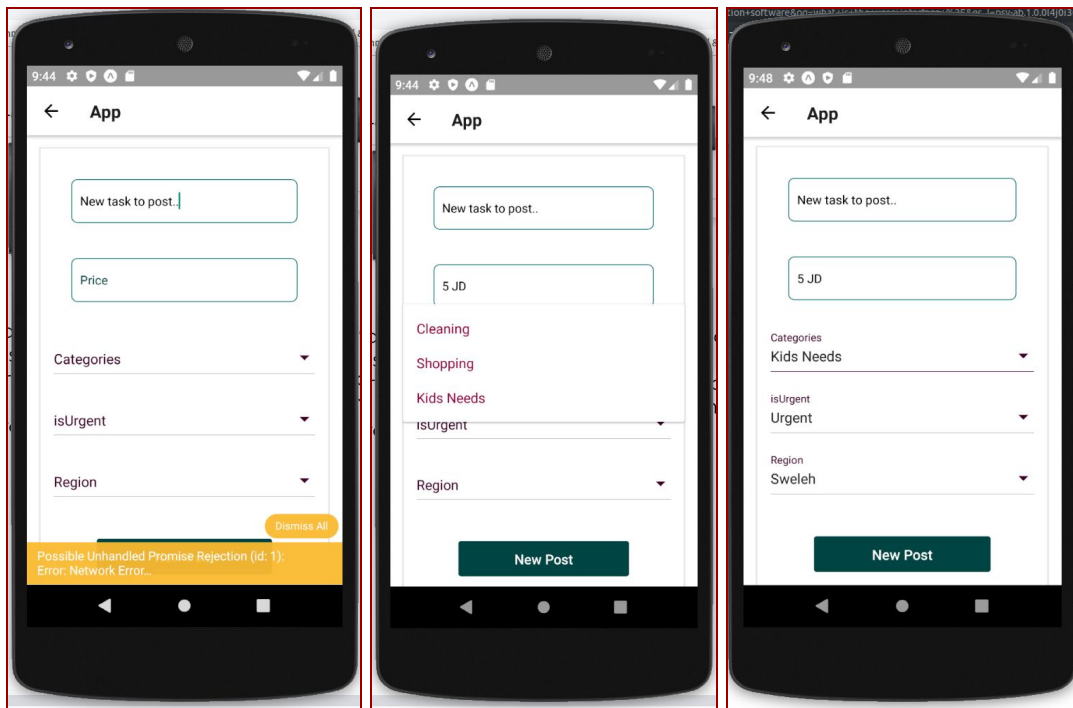
ASSUMPTIONS / DEPENDENCIES

- While running the app on the android studio, the "ip address" in the http request should change depending on the current connection.
- If the developer clone the app from github, he should check from the dependencies required for this app to avoid any expected errors.

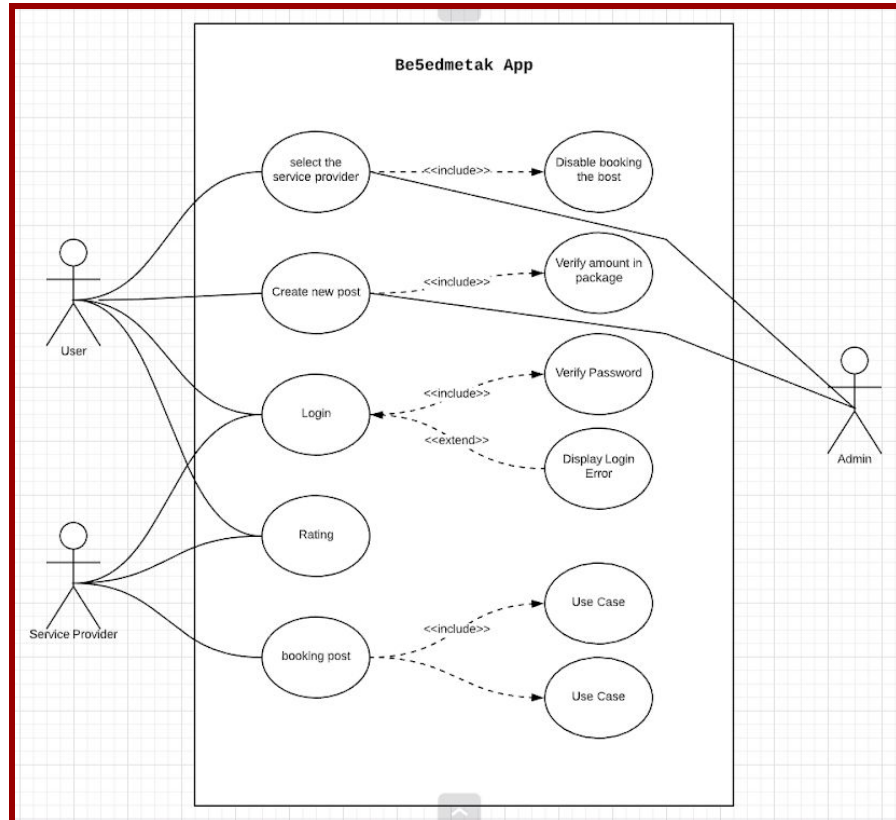
REQUIREMENTS OF EXTERNAL INTERFACE

USER INTERFACES

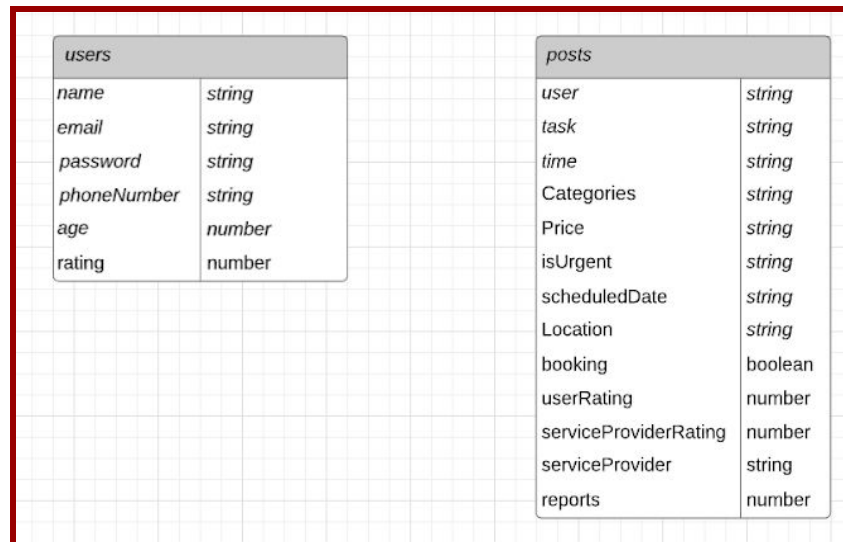
In this app I used HTML, CSS and Bootstrap to make the user interface.
And i highly depend on forms and dropdown list to get information from the user.
And here are some samples from screens:



Use Case Diagram

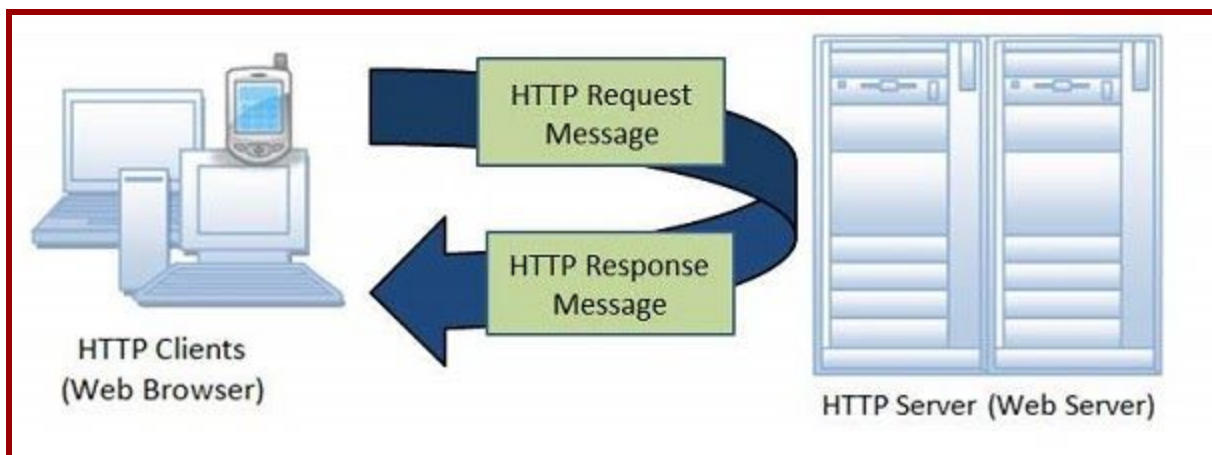


Database Design



COMMUNICATION INTERFACES

In this app we use HTTP protocols to request some message and make response.



References:

In this app i highly depend on these two courses from udey to cover the main concepts in react native:

1. <https://www.udemy.com/course/the-complete-react-native-and-redux-course/>
2. <https://www.udemy.com/course/react-native-the-practical-guide/>

Also the documentation for these 2 websites was very helpful:

1. <https://facebook.github.io/react-native/>
2. <https://www.mongodb.com/>