



TED University

Department of Computer Engineering

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# CMPE 491 Senior Project I

*Plan My Day*

## Project Specifications Report

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# Project Specifications Report

## *Plan My Day*

### **1 Introduction**

Plan My Day is being developed to help people on managing their daily plans. People cannot manage their time efficiently due to some reasons like not having enough knowledge about the city they are living in or locations of the places where they want to be.

#### **1.1 Description**

We are going to develop a mobile application which is PMD (Plan My Day) as a solution of these problems mentioned above.

Users tell their plans to the application by writing either speaking and the most efficient path for them is decided by our software.

#### **1.2 Constraints**

PMD will be a free app for all android users. They will be able to use our application with their any kind of android devices. Even the app is free, users will need to have an android device and also internet connection to be able to use google maps and they also need to let the app use their gps.

In terms of society, there is no restriction for people. So, our target market includes children, teenagers, adults and old people entirely. But, they must know how to write or how to speak English because we will be parsing their sentences into small plans. Besides, we also consider the people who are disabled. For example, we are planning to integrate voice recognition to our project for blind people or preliterate (we consider being preliterate as a disability in case of using our app) or we will provide a navigation system integrated to our project for deaf people who cannot hear the audio narration (our navigation opportunity).

We are planning to upload our project to google play which is the biggest market for our app and we will be able to patch it. With this way, we think that we can handle manufacturability and sustainability.

#### **1.3 Professional and Ethical Issues**

There are some ethical issues to be considered when developing a mobile app. Most important things involve the privacy of user data. In these days anyone can build apps using builders' other tools, but not everyone considers protecting and securing user data. It can be so harmful if any user data is mistreated and not protected well. While building the app, we will handle user's data as our own data. We will empathize the data as our own data and consider how we would want it to be treated. Another issue is using third party code. If there is an API or service that integrated into our app, we will read the Terms of Service and integrate them ethically.

Lastly, being transparent with the user community is another ethical issue to be considered and treated well. The app will have a clear privacy policy and that remind our users of what data we're collecting and why. These are the professional and ethical issues that need to be considered while building this app.

## **2 Requirements**

### **2.1 functional Requirements**

- End users must create an account and named their disabilities.
- End users must have an android device to be able to use the app.
- End users must activate her/his devices' GPS.
- End users must be able to speak or write in English.
- End users must be able to create a plan or delete an existing one.
- End users must be able to check their location during the walk.
- End users must be walking when they are using the app (no vehicle).

### **2.2 Non-functional Requirements**

- End users will have notifications when they are inactive for 3 days.
- End users must enter their credentials to login.
- Application must give audio warning to the ends users when it is started.

## **3 References**

- <http://yth.org/creating-a-mobile-app-privacy-ethics-points-to-discuss-with-your-developers/>