

Application Development for Mobile Devices Fall 2015

CSC 780 Project

PROFILER

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Introduction

We lead a fast-paced life, always switching between locations, from home, to work, to the gym and reconfiguring your device each time depending on the place or time can be a chore.

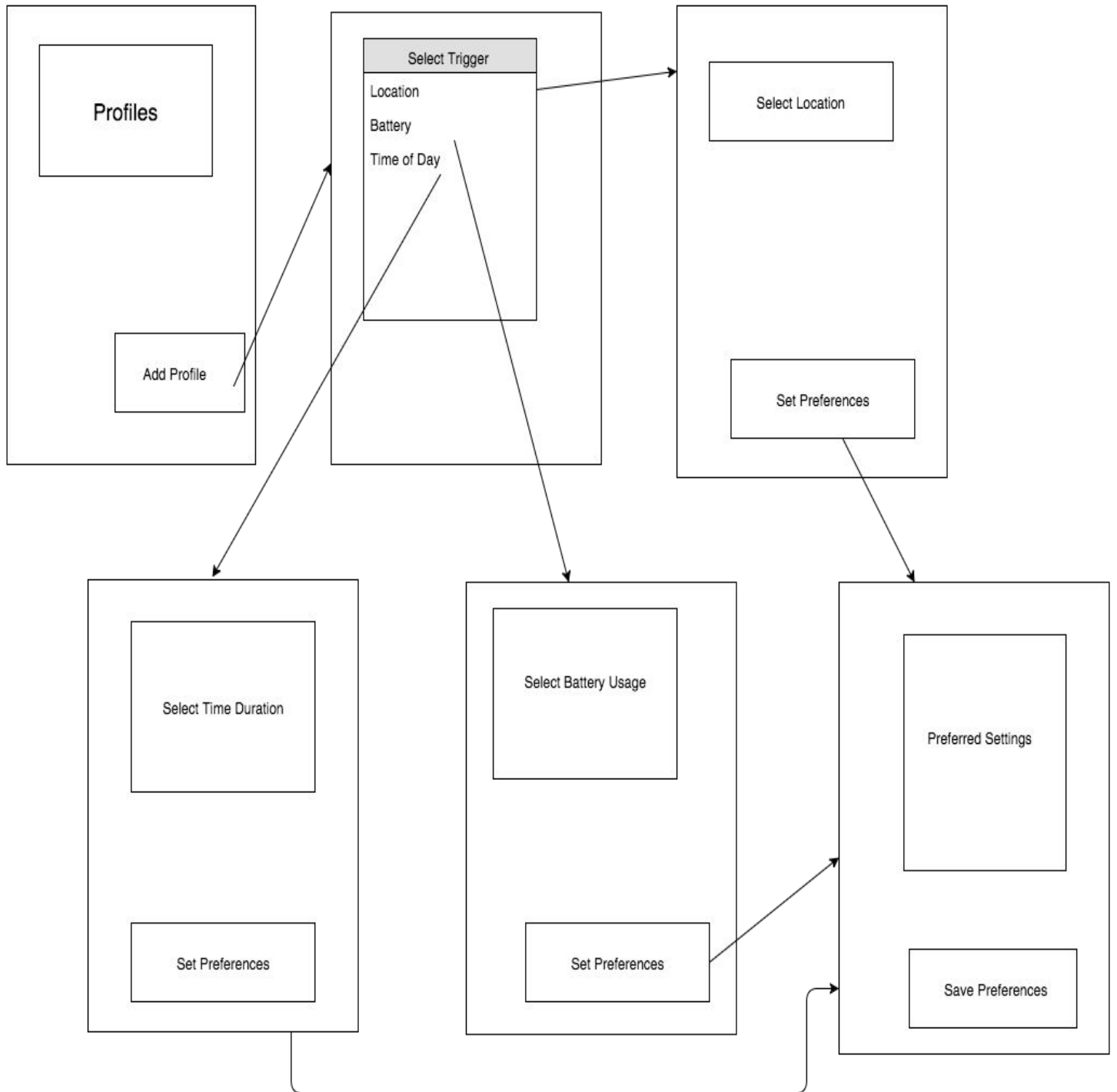
With our app, Profiler, you can modify your Android phone's settings automatically depending on where you are, how much percentage of battery you have on your phone and the time of the day. This saves a lot of time and effort.

User Stories

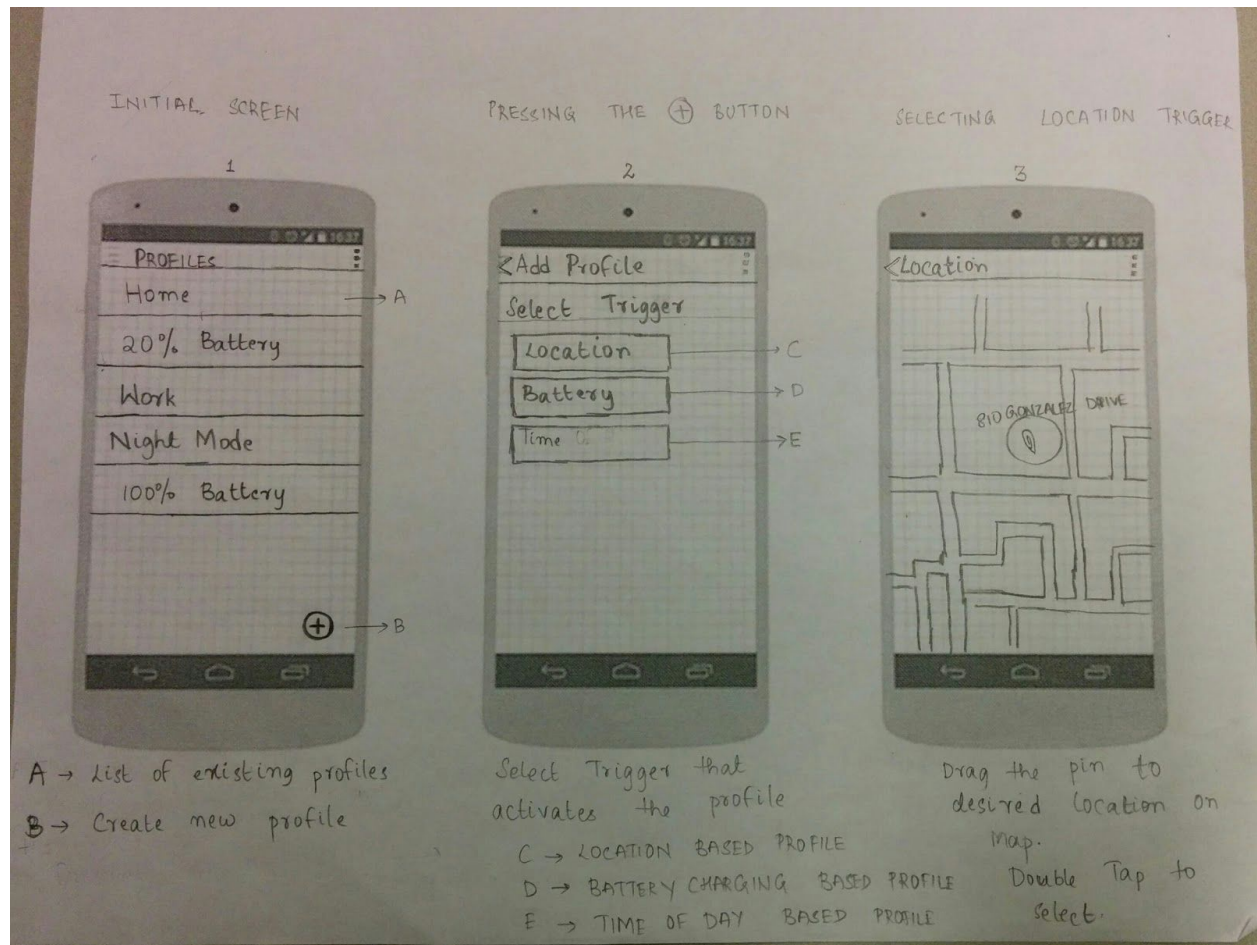
As a user, I would like my mobile's settings to be changed automatically depending on where I am, how much battery I have left and the time of the day. There are three triggers that the user can choose from:

- User can create profile based on Location Preferences. User can save address on the google map and set the profile required. For example, for the location 810 Gonzalez drive, The WiFi will get turned on, Mobile data will be turned off and the mobile ringer will be set to loud.
- User can create profile based on battery power to lower battery consumption. User can select minimum battery charge (say, 10%) below which the settings will be different. For example, videos will not play when the battery is low.
- User can create profiles based on the time of the day. For example, there can be two different profiles made for night time and day. The phone ringer can be automatically turned to silent for a particular time frame.

Use Cases



Wireframes



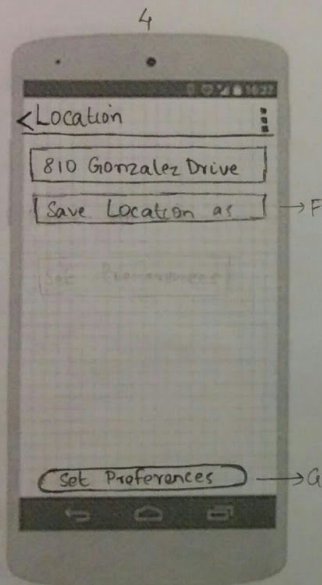
After selecting location

④ always leads to screen ⑤

Setting Preferences

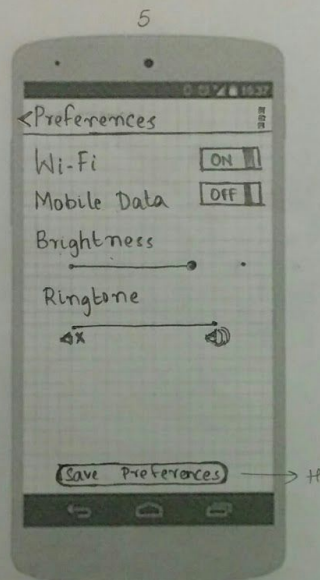
Battery charging based profiles

On pressing button D on screen ②



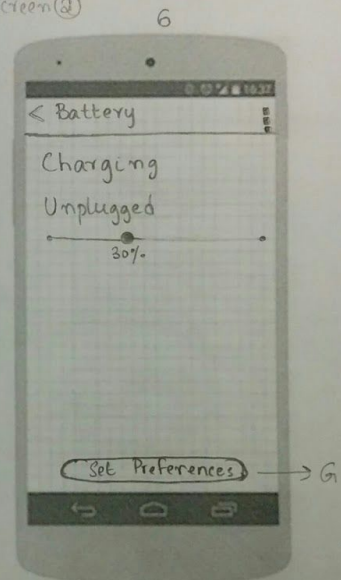
F → Enter desired name for the location

G → Click to set preferences for the profile



Adjust the settings as desired

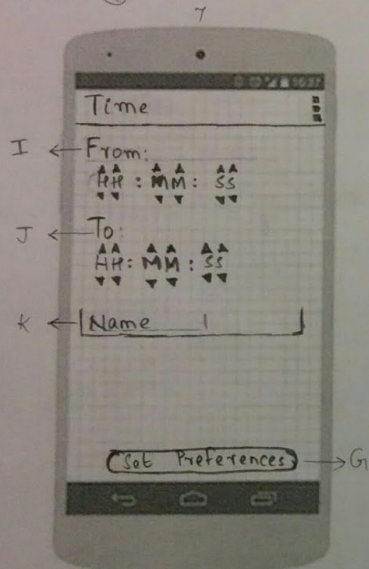
H → Saves preferences of settings to the profile



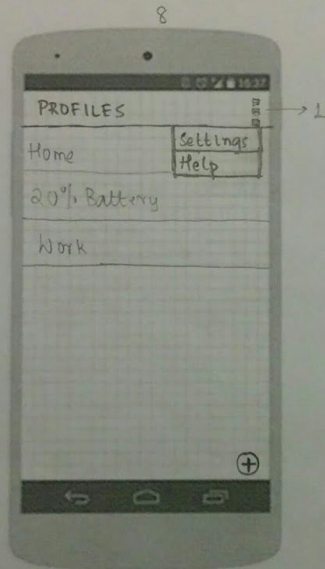
Settings can be customized for when the charger is plugged in and when the charger is unplugged (at desired % of charging remaining)

Time of Day based Profiles

On pressing button (E) on screen (2)

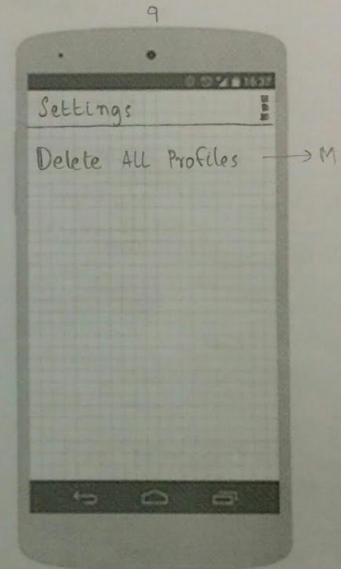


I → Select the desired starting time
 J → Select the desired ending time
 K → Enter name for profile



L → Overflow menu with settings and help options

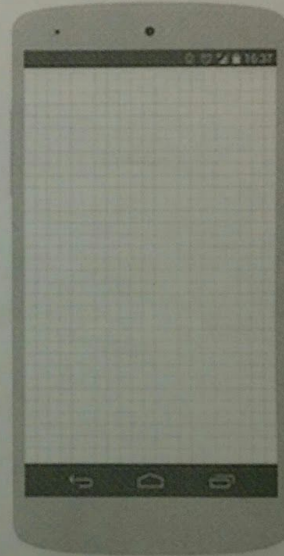
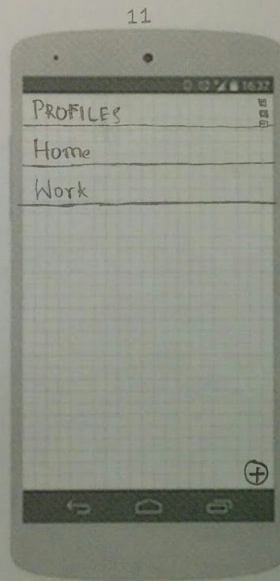
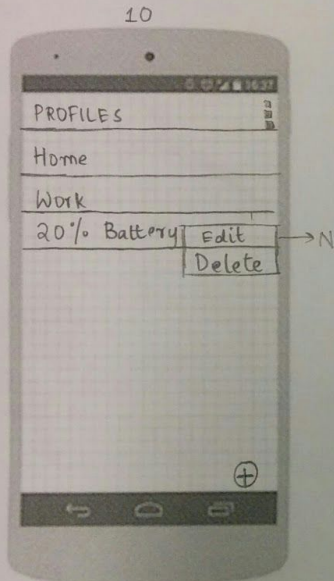
Settings Screen



M → Delete All existing profiles

EDIT/DELETE A PROFILE

After deleting a profile



N → Press and hold
a profile to edit or
delete.

Editing a profile leads to
screen ⑤