



Beta Prototype

Dango Team 05.07.2020

Agenda:



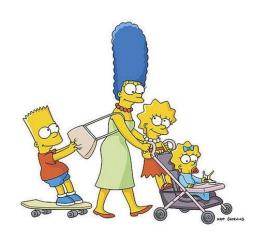
- 1. Changes in Requirements
- 2. System Design
- 3. Test Design
- 4. UI Design
- 5. Bugs
- 6. Working Prototype Design

Protagonists

Followee (Traveler): the person who is *traveling*.





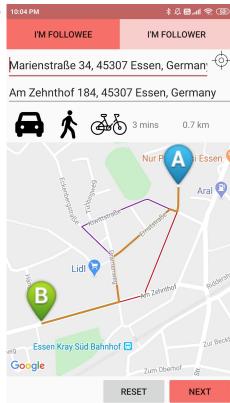


Follower: the person who is tracking the followee.



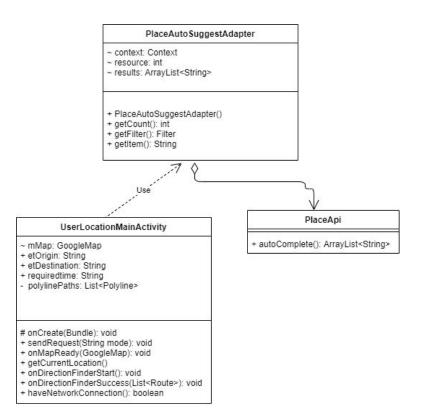
1. Changes in Requirements

- 1. Traveler is able to easily type few words and select autocomplete address information
- 2. User can allow or disallow the app to access contact list
- 3. User can allow or disallow the app for tracking
- 4. User can delete tracking that are older than n months. N is a threshold that the user can set.
- 5. App shows the frequency by which location is accessed
- 6. Manually trigger SMS





2. System Design







3. Test Design

Black Box Testing

- type of testing that inspects the functionality of the program though test case designs without knowing the internal logic

Unit testing Espresso

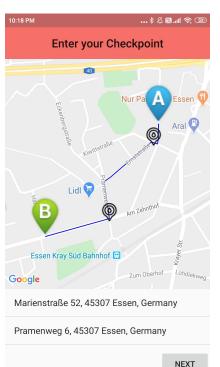
White Box Testing

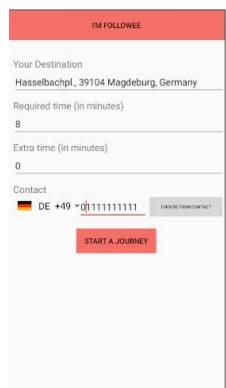
-type of testing where the tester understands the program and its inner workings that are being tested.

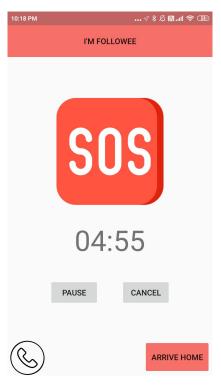
4. UI Design (Traveler)





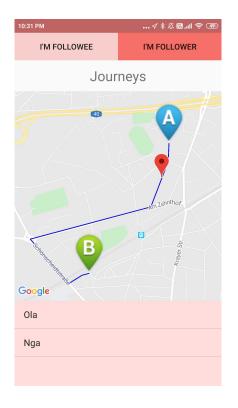


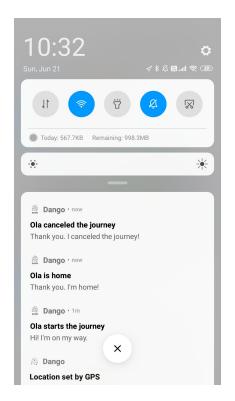




4. UI Design (Follower)



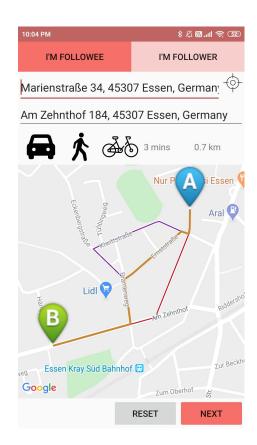


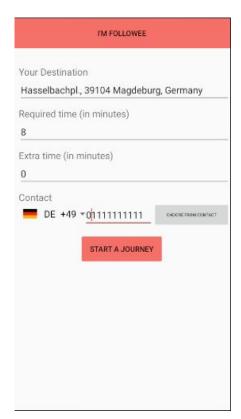




5. Bugs

- Time on the map was not automatically extracted from the time-estimate calculator
- The estimated time of the journey didn't change with the change in mode of transportation
- Follower's phone number can only work with country code





5. Bugs (Wrong insertion)

```
Your Destination
Hasselbachpl., 39104 Magdeburg, Germany
Required time (in minutes)
3 mins
```

```
D/AndroidRuntime: Shutting down VM

E/AndroidRuntime: FATAL EXCEPTION: main

Process: com.example.tracking, PID: 8295

java.lang.NumberFormatException: For input string: "3 mins"

at java.lang.Integer.parseInt(Integer.java:608)

at java.lang.Integer.parseInt(Integer.java:643)

at com.example.trackingapp.JourneyInfo$3$1.onDataChange(JourneyInfo.java:136)
```

```
SharedPreferences mPreferences = PreferenceManager.getDefaultSharedPreferences( context: this);
SharedPreferences.Editor editor = mPreferences.edit();

String name = mPreferences.getString( key: "duration", defValue: "");

String value = name;

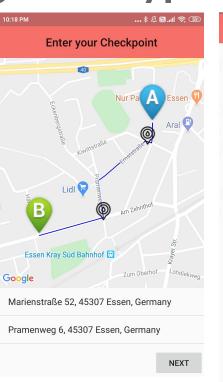
String intValue = value.replaceAll( regex: "[^0-9]", replacement: "");

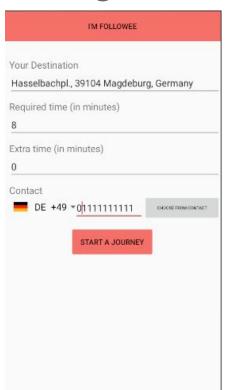
Time.setText(value); // intValue
```

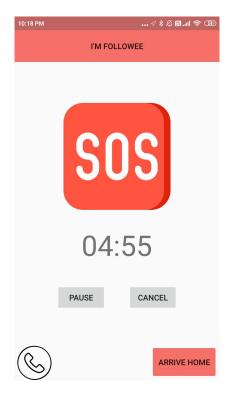


6. Working Prototype Design











Thank you for listening!