



TravelBuddy Description

a. Name of the app: TravelBuddy.

b. Link to the Android app repo:

https://github.cs.huji.ac.il/yar-gav/final_project_pair_3.git

c. Link to the backend service repo:

https://github.cs.huji.ac.il/shorot/final_project_pair_4.git

d. Contact info of both students (name, email, github user):

1. **Omri Marom:** omri.marom@mail.huji.ac.il,

<https://github.cs.huji.ac.il/omrimar>

2. **Hilla Heimberg:** hilla.heimberg@mail.huji.ac.il,

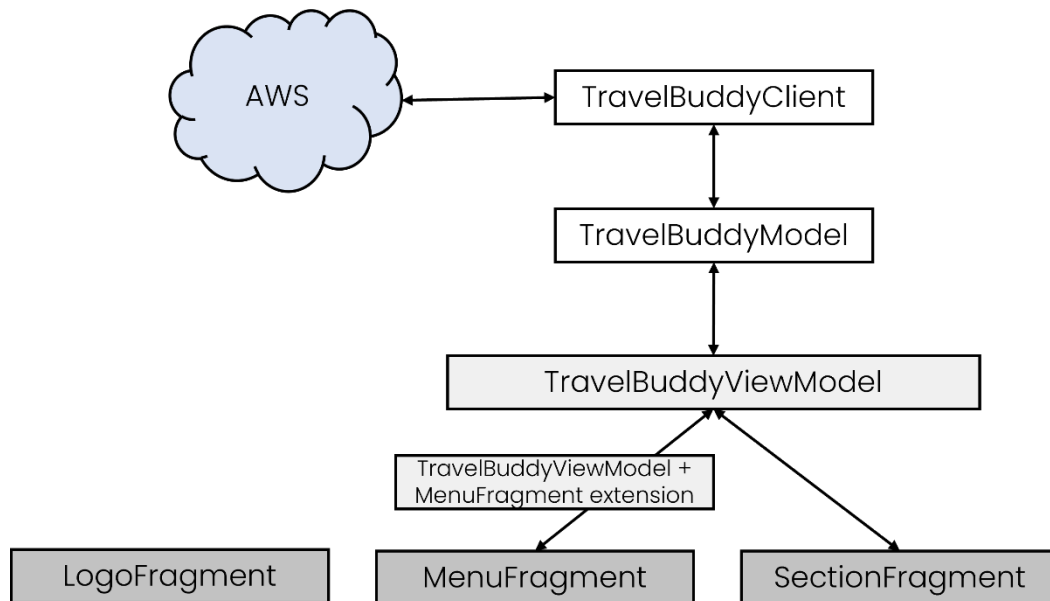
<https://github.cs.huji.ac.il/hilla-heimberg>

e. Short technical design description of the app:

TravelBuddy contains three navigable fragments, including two primary fragments for the sections menu (where the user can see all possible sections) and section content (where the user can fetch and update the content of a specific section).

Each one of the latter two fragments is binded to a view model which handles the user gestures using a shared model that makes the necessary network calls.

We keep the users content of all sections in our database in order to make the app stateless, reduce the volume of the app and preserve the data in a more reliable way.



f. One challenge: We had several technical difficulties; One of them is using localizable strings from `res/strings` in non-activity components of the app, which we solved by using the `app context` passed to the model class in order to support the network calls. Another challenge was the behavior of LiveData when navigating back to a fragment that observes a LiveData object. We solved it by wrapping the value we want to fire in the LiveData in a wrapper class to enforce that the value will be observed only once. Also, we had some minor differences in terms of the UI design of the app.

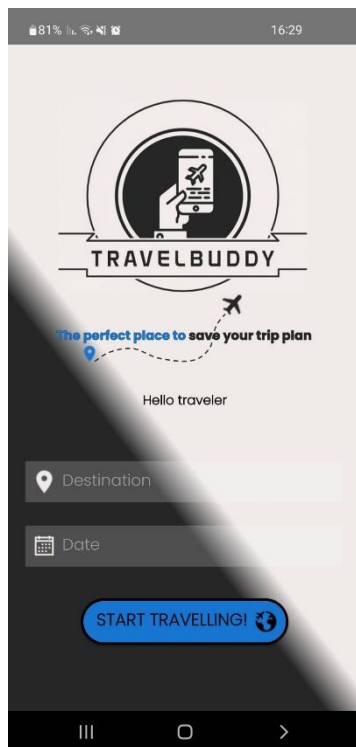
g. Retrospective: Looking back, we feel that each of us had his/her major efforts in some components of the app and was a little less involved in other components.

Our next steps- The future of this app:

- Allow users to upload screenshots of their travel reservation confirmations, boarding passes, passport, etc.
- Allow users to preserve multiple sessions of the app simultaneously, in order to save data of different trips.
- Add delete button in the SectionFragment to delete the section content "in one click".
- Send the data from the app to the backend in a secure and encrypted way.
- Identify users with username and password (instead of the current user-identifier mechanism) in order to allow users to log in and fetch their data from different devices.
- Allow users to share their app information with their travel partner.



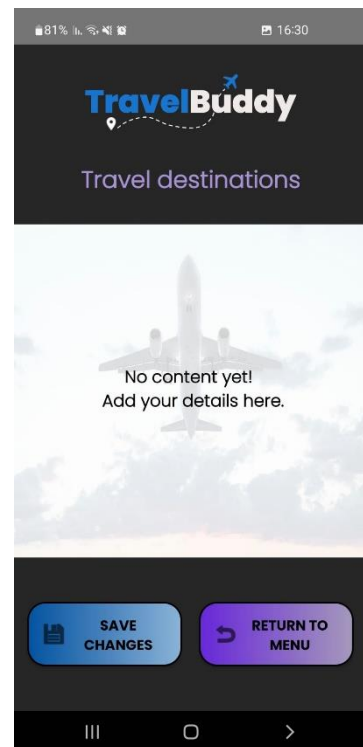
Screenshots of the screens:



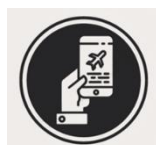
LogoFragment



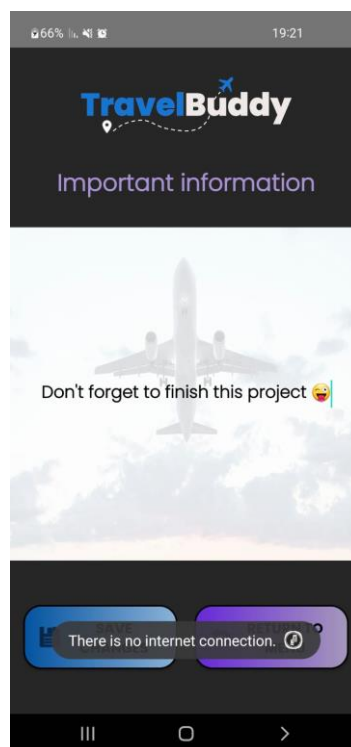
MenuFragment



SectionFragment



LogoIcon



"No internet" error message