**Android Project**

**WMAD 38 – Alexandria Branch**

**Team 7**

**Tripper**

* **Android SDK version:** 
  + **minSdkVersion 19**
  + **targetSdkVersion 23**
* **The application was test on the following devices:**
  + **API 21 (Huawei)**
  + **API 23 (Huawei)**
  + **API 25 (Motorola)**
* **Team members & tasks:**

|  |  |
| --- | --- |
| **Nourhan Ali Mokhatar Taha** | * Google Places API (search autocomplete) * Add new trip (fragment) * Play alarm at trip time * Show notification for the trip * Dialog fragment for upcoming trips details * Date and time pickers * Permission handling |
| **Mohamed Ali Mohamed Kamel ElShawarby** | * Login and sign up (authentication using Firebase) * Login with Facebook (integrated with Firebase) * Navigation drawer handling * History (done or cancelled) trips fragment (Recylerview) * Floating widget to show trip’s notes * Fragment for statistics of history trips * Sync user’s trips from Firebase * Dialog fragment for history trips details |
| **Omar Mohammed Abdelmonem Youssef Bdreldin** | * Team leader * SQLite database for storing trips data * Upcoming trips fragment (Recylerview) * Edit trip fragment * Validation for user input for trip’s info * Get trip distance and estimated time * Dialogfragment for showing repetition option * Dialogfragment for add trip’s notes * Static map image of trip route using google directions and static map APIs * Handling special permission regarding overlay of the screen for the floating widget * Implementation of round trip & and the repetition mode of the trip * Open Google Maps and show directions at trip start * Set actions for the notification |

* **Links:**
  + **Trello:** [**https://trello.com/b/En1m58zA/androidproject**](https://trello.com/b/En1m58zA/androidproject)
  + **Google Drive:**

[**https://drive.google.com/open?id=1zRIrOnKXic6ok1lsGCz9tOYhiXS56RW3**](https://drive.google.com/open?id=1zRIrOnKXic6ok1lsGCz9tOYhiXS56RW3)

[**https://drive.google.com/drive/folders/1zRIrOnKXic6ok1lsGCz9tOYhiXS56RW3?usp=sharing**](https://drive.google.com/drive/folders/1zRIrOnKXic6ok1lsGCz9tOYhiXS56RW3?usp=sharing)

* **GitHub:** [**https://github.com/omarbdreldin/Tripper**](https://github.com/omarbdreldin/Tripper)
* **Application Features:**
  + **The user can sign up normally and login. Also, he/she can login using his/her Facebook account.**
  + **From the main screen the user can begin to add his planned trips and set the following for each trip: name, start place, destination, date, repetition mode, and add notes.**
  + **After adding trips, the user can view details of his/her trips and edit them**
  + **Also, the user can start any trip in any time by click the start button of the desired trip**
  + **Also the user can access the navigation drawer and view the following: add new trip, his/her history trips, other statistics about his/her trips’ history**
  + **The user can sync his trips on the cloud and restore them.**