

**Project Title** : Hotel Booking and Management (Traveler)

**Group No.** : 2

**Group Members** :

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**List of packages and classes:**

- AbsoluteMain
  - MainDev (Washio Ferdous)
  - MainUser (Washio Ferdous)
- Common
  - AboutProject (Nabila Tabassum Oyshi)
  - ArrayList (Washio Ferdous)
  - CPanel (Nabila Tabassum Oyshi)
  - CustomException (Washio Ferdous)
  - DevInfo (Mahmuda Zannat Punny)
  - FileReader (Washio Ferdous && Nabila Tabassum Oyshi)
  - FrameDev (Wasif Haider)
  - FrameUser (Wasif Haider)
  - HotelInfoButton (Washio Ferdous)
  - HotelInfoPanel (Washio Ferdous)
  - Hotels (Mahmuda Zannat punny)
  - IconAdder (Washio Ferdous)
  - ObjecSaver (Washio Ferdous)
  - PointreScrollPanel (Wasif Haider)
  - ProfilePanel (Washio Ferdous)
  - ProfileScrollPanel (Washio Ferdous)
  - ResaveDev (Nabila Tabassum Oyshi)
  - ResaveUser (Washio Ferdous)
  - ThreadLogin (Washio Ferdous)
  - TravelPanel (Wasif Haider)
  - UserInfo (Mahmuda Jannat Punny)
- DevMain
  - DevLogInPanel (Washio Ferdous)
  - DevUIGenerator (Washio Ferdous)
  - HotelTable (Mahmuda Zannat Punny)
  - InfoPanel (Washio Ferdous)
  - MapPanel (Washio Ferdous)
  - MapView (Washio Ferdous)
  - StaticDev (Nabila Tabassum Oyshi)
  - UserTable (Washio Ferdous && Mahmuda Zannat Punny)

- UserMain
  - MapImage (Washio Ferdous)
  - MapMain (Washio Ferdous)
  - SettingPanel (Nabila Tabassum Oyshi)
  - StaticUser (Nabila Tabassum Oyshi)
  - TravelHistory (Wasif Haider)
  - UserLogPanel (Nabila Tabassum Oyshi)
  - UserUIGenerator (Washio Ferdous)

## Description

This Java program is a hotel booking and management system. It has two interfaces, one for the user and another for the developer. Each interface has its own unique functionalities and features.

### Interface for the users:

Multiple users can have their own profiles and log in to their own profiles using their credentials. The users can do the following:

- View the hotels in a specific city in a list format and also in a map view.
- Check the pricing, availability, ratings, and contact details of the hotels.
- Book any hotel based on the number of adults and children that will stay and the number of days they will be staying.
- Get a receipt with their total bill and their own information.
- Each user can view their individual travel history, which is a list of hotels they have booked in the past and the details of those bookings.
- Change their avatar and map pointer design.
- Update their information and password.

### Interface for the developers:

Multiple developers can have their own profiles and log in to their own profiles using their credentials. Developers have 3 levels of access, 1) CEO, 2) Admin, 3) Editor. There can only be a single CEO, and there can be multiple Admins and Editors. The avatars of the developers will vary depending on their access levels. The developers can do the following:

- Add hotels to any city of their choosing, with the details of the hotel such as the name of the hotel, the exact position of the hotel on the map, set ratings, contact information, and pricing for the hotel.
- View the list of hotels along with their information sorted by city.
- View the list of users and the list of developers sorted by their access level.
- Add new employees to the developer team.
- Update their passwords.