

|               |  |
|---------------|--|
| Abstract      |  |
| User          |  |
| Client, Admin |  |
| loadInfo      |  |
| logIn         |  |

|                        |             |
|------------------------|-------------|
| User                   |             |
| Client                 |             |
| searchItineraries      | Itinerary   |
| orderByCost            | BillingInfo |
| orderByTime            | System      |
| bookItinerary          |             |
| email                  |             |
| displayBookedItinerary |             |
| editBillingInfo        |             |

|                      |        |
|----------------------|--------|
| User                 |        |
| Admin                |        |
| editPersonalInfo     | Flight |
| createFlight         | Client |
| uploadFlights        | System |
| getThisBillingInfo   |        |
| getClientBillingInfo |        |
| editBillingInfo      |        |
| editFlightInfo       |        |

|                          |  |
|--------------------------|--|
| bookClientItinerary      |  |
| getClientBookedItinerary |  |

| Flight            |           |
|-------------------|-----------|
| flightNumber      | Admin     |
| departureDateTime | System    |
| arrivalDateTime   | Itinerary |
| airline           |           |
| origin            |           |
| destination       |           |
| cost              |           |
| getTravelTime     |           |
| getHours          |           |
| getMinutes        |           |

| Abstract        |        |
|-----------------|--------|
| Itinerary       |        |
| Flights         | Flight |
| totalCost       |        |
| totalTravelTime |        |
| getTotalHours   |        |
| getTotalMinutes |        |
| origin          |        |
| destination     |        |
| addFlight       |        |
| removeFlight    |        |

|            |        |           |
|------------|--------|-----------|
| OneWayTrip |        | Itinerary |
|            | Flight |           |

|           |        |           |
|-----------|--------|-----------|
| RoundTrip |        | Itinerary |
|           | Flight |           |

|               |        |
|---------------|--------|
| Billing Info  |        |
| firstName     | Client |
| lastName      | Admin  |
| email         |        |
| address       |        |
| creditCardNum |        |
| expityDate    |        |

| System             |           |
|--------------------|-----------|
| createAdmin        | User      |
| createClient       | Itinerary |
| makeAllItineraries |           |
| createItinerary    |           |
| isRoundTrip        |           |
| addFlight          |           |
| getClient          |           |
| createFlight       |           |
| createItinerary    |           |
| uploadClientInfo   |           |
| uploadFlightInfo   |           |
| saveToFlightsFile  |           |
| saveToClientsFile  |           |
| saveToAdminsFile   |           |
| getLocations       |           |
| getAdmin           |           |
| savePasswords      |           |

| AdministrativeTools   |            |
|-----------------------|------------|
| bookFlightAnotherUser | MainSystem |
| uploadInfo            | Admin      |
| editUserInfo          | Client     |

| ChooseDepartureLocation |                               |
|-------------------------|-------------------------------|
|                         | Client<br>Admin<br>MainSystem |

| ChooseDestinationLocation |                               |
|---------------------------|-------------------------------|
|                           | Client<br>Admin<br>MainSystem |

| EditInfo |                               |
|----------|-------------------------------|
| save     | Client<br>Admin<br>MainSystem |

| GeneralOptions |              |
|----------------|--------------|
| editInfo       | EditInfo     |
| searchFlight   | SearchFlight |
| viewBooked     | ViewBooked   |

| Help |       |
|------|-------|
|      | Admin |

| MainActivity |            |
|--------------|------------|
| logIn        | Admin      |
| logInAsGuest | Client     |
|              | MainSystem |

| Messages  |  |
|-----------|--|
| getString |  |

| SearchFlight            |            |
|-------------------------|------------|
| selectDateTime          | MainSystem |
| viewFlight              | Client     |
| chooseDepartureLocation |            |
| chooseDestination       |            |

| SelectDateAndTime |            |
|-------------------|------------|
| submit            | MainSystem |
|                   | Client     |

| UploadOptions        |            |
|----------------------|------------|
| uploadData           | MainSystem |
| uploadFlightDataTask | Admin      |
| uploadClientDataTask |            |
| uploadAdminDataTask  |            |

| ViewBooked |                               |
|------------|-------------------------------|
|            | Client<br>Admin<br>MainSystem |

| ViewFlight |                      |
|------------|----------------------|
|            | MainSystem<br>Client |

| ViewSingleFlight |                      |
|------------------|----------------------|
|                  | MainSystem<br>Client |