



## Colour Coded Legend:

Red – entities

Blue – usecases

Green – controllers

Black – misc.

relevant CRC cards for skeleton walkthrough  
provided below

# basicUser

- ID
- email
- phoneNumber
- classType
- upgraded
- renewalDate
- appRating
  
- getID
- getEmail
- getUsername
- getPassword
- getPhoneNumber
- getRenewalDate
- getAppRating
  
- setID
- setEmail
- setPhoneNumber
- setRenewalDate
- SetAppRating

- Note: boolean required to access remaining methods
- setTypeOfClass (economy/business/first etc.)
  - getTypeOfClass (economy/business/first etc.)
  
  - renewMembership
  - rateApp
  - favouriteFlights
  - favouriteAirports
  - setColorScheme
  - adjustAutoLogout
  - setHome
  
  - changeSettings

Collaborators

EditUser  
LoginInformation  
PremiumSettings

# Flight

- date
- plane
- duration
- source
- destination

- getDate
- getPlane
- getDuration
- getSource
- getDestination

Collaborators

Plane  
Route

# Plane

- brandName
- seatCount
- firstClassSeats
- economySeats
- HasVacantSeats

- getBrandName
- getSeatCount
- getFirstClassSeats
- getHasVacantSeats

Collaborators

Flight

# Airport

- city
- lataCode
- routes
  
- getCity
- getRoutes
- getlataCode
  
- setCity
- setRoutes
- setlataCode
  
- AddRoute

Collaborators

Route  
Flight

# Route

- departureAirport
- destinationAirport
- flights

- getDestinationAirport
- GetDepartureAirport

- setDestinationAirport
- setDepartureAirport

- getPriceofFlights
- getTotalDuration

Collaborators

Flight  
Airport

# SearchResults

- *// Store search queries returned by backend*

- potentialRoutes

- getPotentialRoutes

- getPrice

- setPotentialRoutes

- sortByPrice

- sortByDuration

Collaborators

Route



# loginInformation

EditUser

- info
- getUsername
- getPassword
- setUsername
- setPassword

Collaborators

basicUser

# premiumSettings

- colorScheme
- favouriteAirports
- autoLogoutTimer
- homeAirport

- setColorScheme
- getColorScheme
- addFavouriteAirport
- removeFavouriteAirport
- getFavouriteAirports
- setAutoLogoutTimer
- getAutoLogoutTimer
- setHomeAirport
- getHomeAirport

Collaborators

basicUser

# ViewProfile

- ViewProfile (constructor)
- UpgradeAccount
- ChangeUsername
- ChangePassword
- viewProfileScreen

Collaborators

BasicUser

# InteractDatabase

- userData
- flightData
- airportData
- getUser
- getFlight
- getAirport
- addUser
- addFlight
- addAirport
- FlightByRoutes
- routeByParameters
- getFlightData
- getAirportData
- getHistory
- postData

Collaborators

Route  
Plane  
Flight  
Airport  
SearchQueries  
BasicUser

# SearchFlight

Parent

Children

- searchParameters
- retrieveFromDatabase

Collaborators

Airport

Flight

Route

SearchResults

# StoreFlight

Parent

Children

- CompileParameters
- connectUser

Collaborators

Airport

Flight

Route

SearchResults

# PlanFlight

- selectedFlight
- user

- EnterSearchRequirements
- selectFlight
- getSelectedFlight
- getUser

Collaborators

basicUser  
SearchQueries  
StoreFlight  
InteractDatabase

# UserController

- createAccount
- login

Collaborators

EditUser

interactDatabase