Future Implementation at GUI phase

| UserInterface | — | Web |

Frameworks and Drivers

UserController   PlanFlight

Interface Adapters

EditUser   InteractDatabase → SearchFlight   StoreFlight
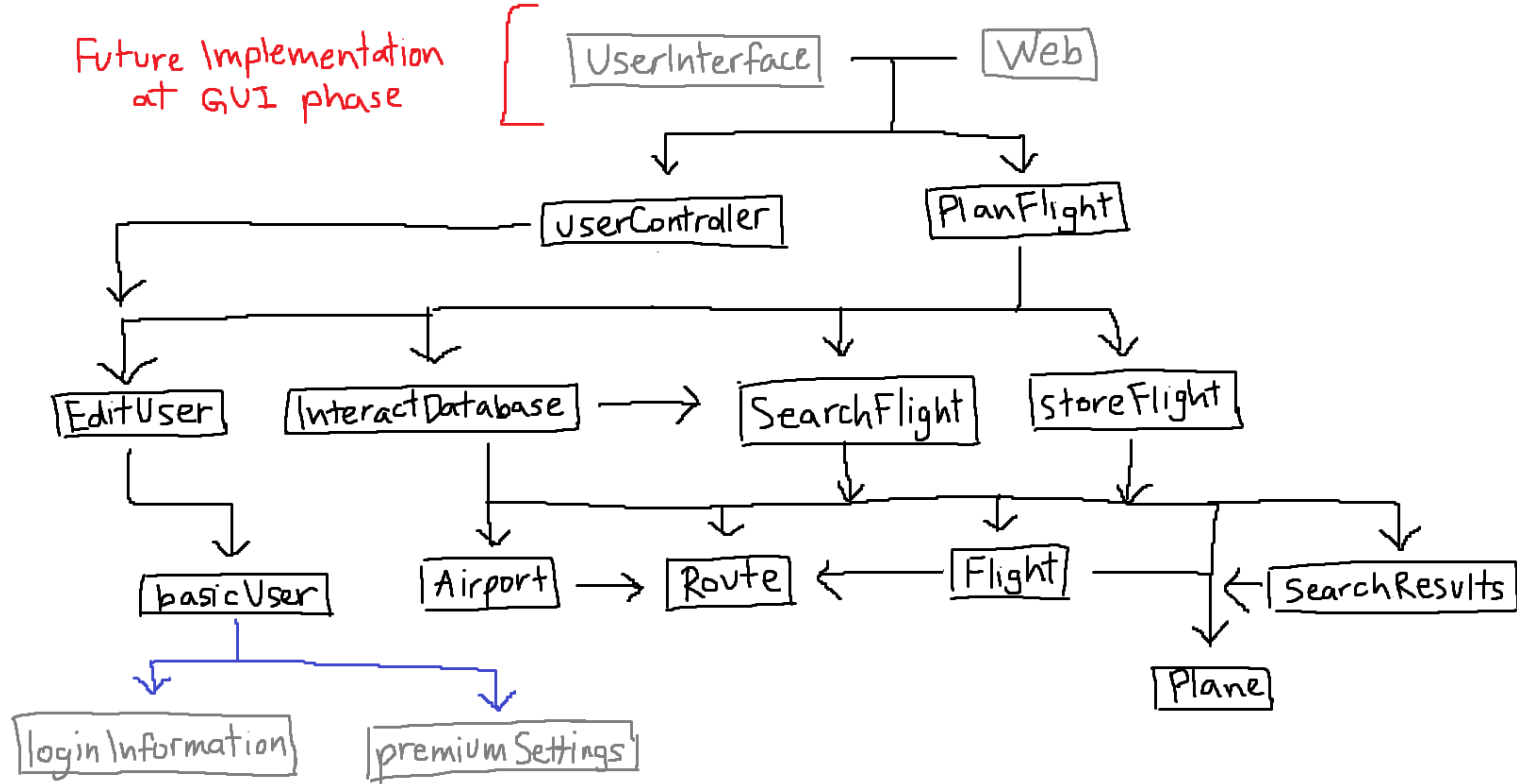
Application Business Rules

basicUser

Airport → Route ← Flight   SearchResults

Plane

login Information   premium Settings

Entriprise Business Rules

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

Airport

- city
- lataCode
- routes

- getCity
- getRoutes
- getlataCode

- setCity
- setRoutes
- setlataCode

- AddRoute

Collaborators

Route

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

premiumSettings

Collaborators

EditUser

- ID
- email
- phoneNumber
- classType
- upragded
- renewalDate
- appRating

- setID
- setEmail
- setPhoneNumber
- setClassType
- setRenewalDate
- setAppRating

- getID
- getEmail
- getPhoneNumber
- getClassType
- getRenewalDate
- getAppRating

Collaborators
loginInformation

InteractDatabase

- userData
- flightData
- airportData

- getUser
- getFlight
- getAirport

- addUser
- addFlight
- addAirport

- FlightByRoutes
- routeByParameters
- getFlightData
- getAirportData
- getHistory
- postData

Collaborators

Route
Plane
Flight
Airport
SearchQueries
BasicUser

StoreFlight

Parent

Children

- GiveRelevantInformation

Collaborators

Plane
Flight
PlanFlight
InteractDatabase

SearchFlight

● launchSearch

Collaborators

Airport
Flight
Route
SearchResults

PlanFlight

- selectedFlight
- user

- EnterSearchRequirements
- selectFlight
- getSelectedFlight
- getUser

Collaborators

basicUser
SearchQueries
StoreFlight
InteractDatabase

userController

- createAccount
- login

Collaborators

EditUser
interactDatabase

CRC card template

Copy, paste, and edit the template as needed to create your own CRC cards.

Name	Parent Children
● Responsibilities	Collaborators