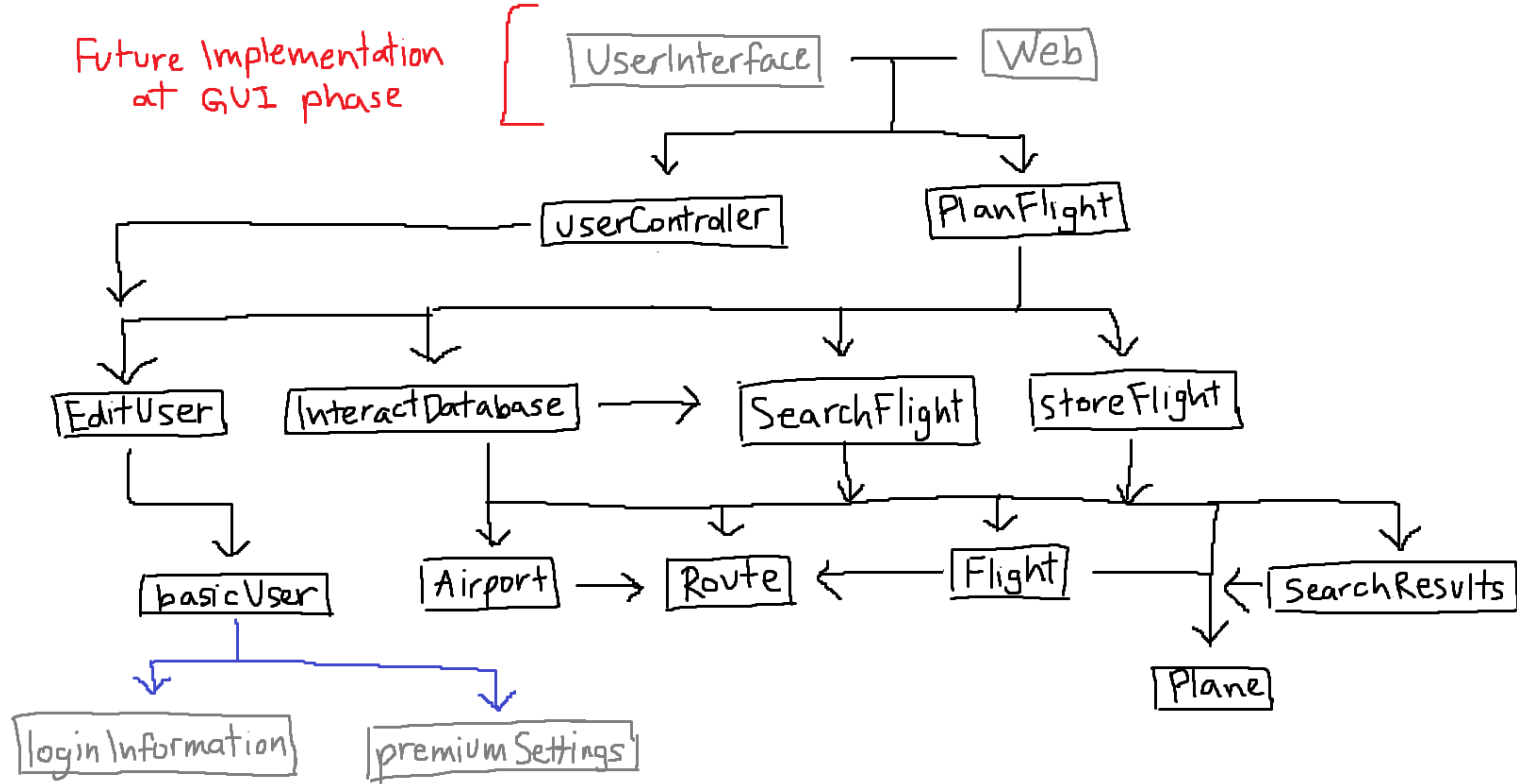


Future Implementation
at GUI phase



Frameworks
and
Drivers

Interface
Adapters

Application
Business
Rules

Enterprise
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

Parent

Children

- city
- iataCode
- getRoutes
- setRoutes

Collaborators
Route

Route

- departureAirport
- destinationAirport
- flights

- getDestinationAirport
- GetDepartureAirport

- setDestinationAirport
- setDepartureAirport

- getPriceofFlights
- getTotalDuration

Collaborators
Flight
Airport

loginInformation

EditUser

- info
- getUsername
- getPassword
- setUsername
- setPassword

premiumSettings

Collaborators

SearchResults

- *// Store search queries returned by backend*

- potentialRoutes

- getPotentialRoutes

- getPrice

- setPotentialRoutes

- sortByPrice

- sortByDuration

Collaborators
Route

EditUser

loginInformation

- 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

Parent

Children

- 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	