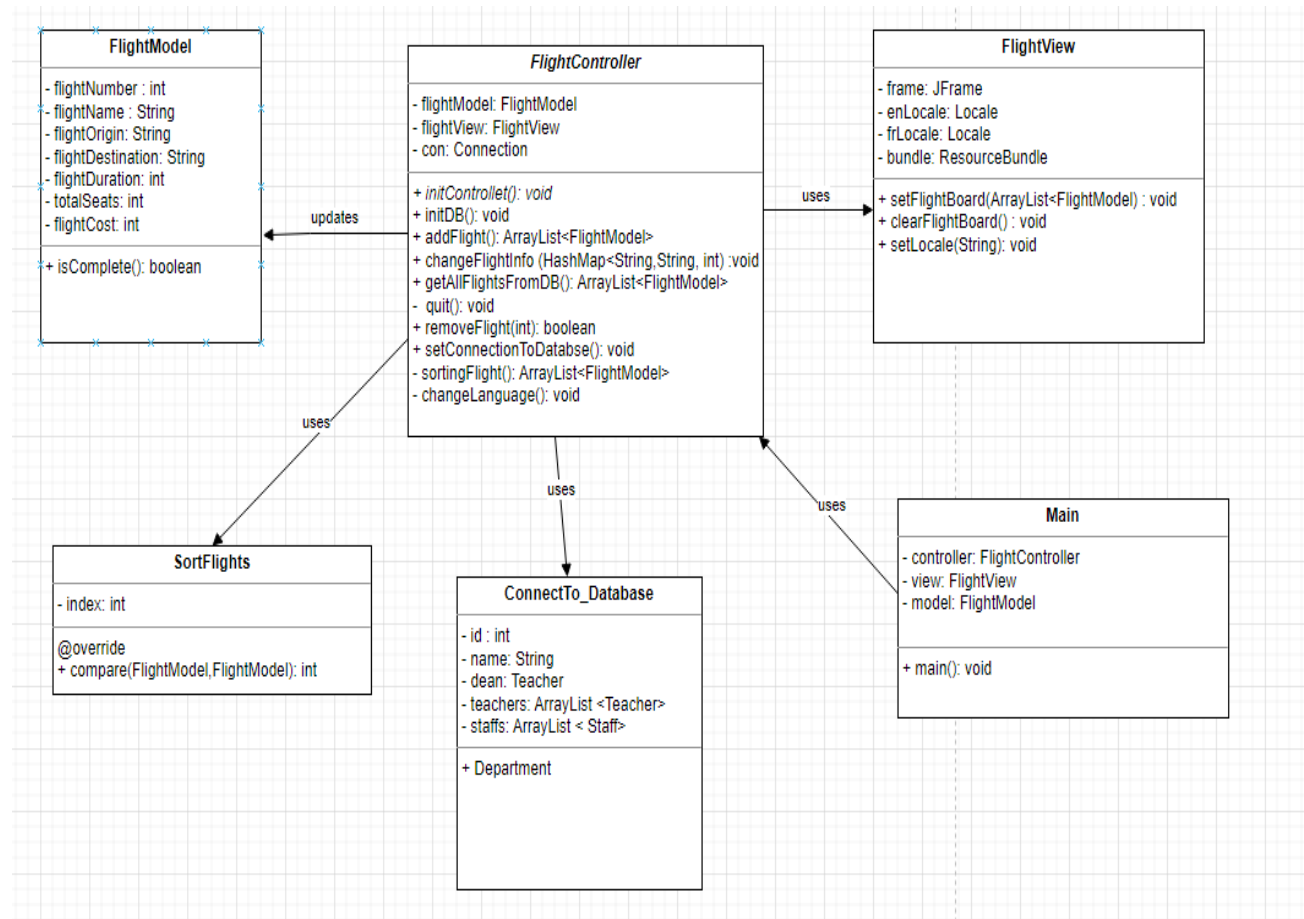


This document provides, a view of certain important design and implementation of the project. SQLite was used as the database (sqlite-jdbc-3.39.3.0.jar).

In this project, the MVC architecture is used as seen in the UML

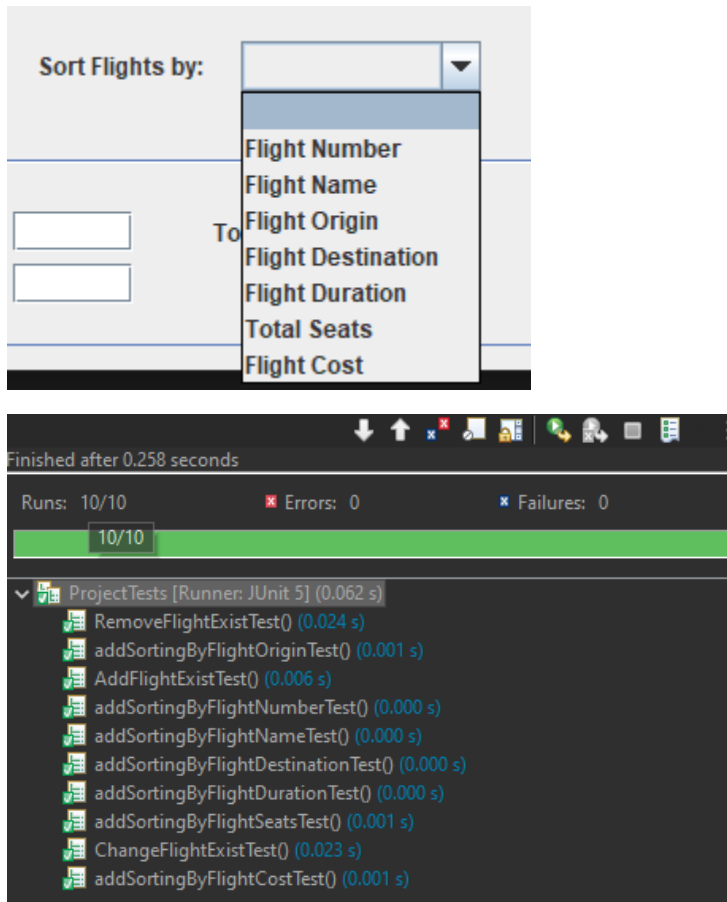


Screenshot of GUI when set to en_US Locale as it's shown you can add, remove and change flights. You can also clear the input form (information for the flights). The table with green background is only used to display flight information and cannot be edited. Any change or update should be done in the input form by using any of the mentioned buttons. Everytime there is a change in the flight information, the flight board will be updated with the new data, so no need for additional action to display information.

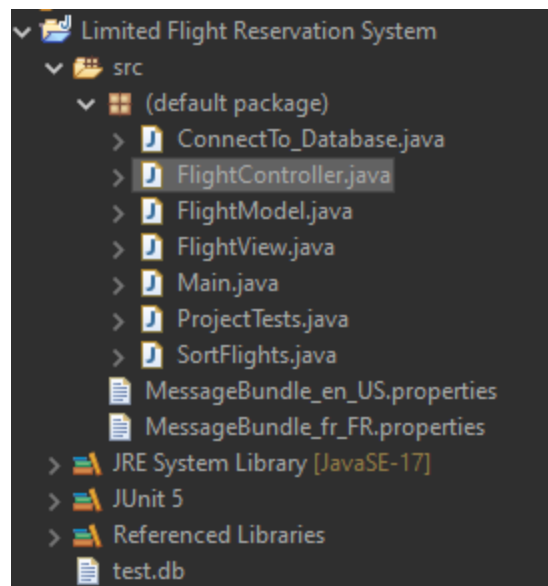
[illegible]

[illegible]

Flight board can be sorted per user selection



Project code structure shows all the classes created, database file(test.db), and the 2 properties files used for Locales.



Properties files for US English Locale(MessageBundle_en_US.properties)

```

1 cancel = Cancel
2 no = No
3 ok = Ok
4 yes = Yes
5 buttonChangeLanguage = Change to FR
6 buttonAdd = Add Flight
7 buttonExit = Exit
8 buttonRemove = Remove Flight
9 buttonChange = Change Flight
10 buttonDisplay = Display Flights
11 buttonClearForm = Clear Input
12 lfNumber = Flight Number:
13 lfName = Flight Name:
14 lfOrigin = Flight Origin:
15 lOrigin = Origin:
16 lfDestination = Flight Destination:
17 lDestination = Destination:
18 lfDuration = Flight Duration (min):
19 lDuration = Duration (min):
20 lfSeats = Total Seats:
21 lfCost = Flight Cost($):
22 lCost = Cost($):
23 lfSortBy = Sort Flights by:
24 lSort = Sort by:
25 tfNumber = Flight Number
26 tfName = Flight Name
27 tfOrigin = Flight Origin
28 tfDestination = Flight Destination
29 tfDuration = Flight Duration (min)
30 ttSeats = Total Seats
31 tfCost = Flight Cost ($)
32 message01 = unsuccessful, missing flight info field/s!
33 message02 = unsuccessful, Flight Number is mandatory!
34 message03 = unsuccessful, Removal from database failed!
35 message04 = Unsuccessful, change operation, Flight Number is mandatory!
36 message05 = Unsuccessful, No data provided for changing flight info!
37 message06 = Unsuccessful, not flights in database!
38 message07 = Unsuccessful to add, flight already exists in database!

```

Properties files for FR French Locale(MessageBundle_fr_FR.properties)

```
1 cancel = Annuler
2 no = Non
3 ok = D'accord
4 yes = Oui
5 buttonChangeLanguage = Changer en EN
6 buttonAdd = Ajouter un vol
7 buttonExit = quitter
8 buttonRemove = Supprimer le vol
9 buttonChange = Changer de vol
10 buttonDisplay = Afficher les vols
11 buttonClearForm = Effacer l'entrée
12 lfNumber = Numéro de vol:
13 lfName = Nom du vol:
14 lfOrigin = Origine du vol:
15 lOrigin = Origine:
16 lfDestination = Destination du vol:
17 lDestination = Destination:
18 lfDuration = Durée du vol(min):
19 lDuration = Durée:
20 lfSeats = Des places:
21 lfCost = Coût du vol($):
22 lCost = Coût ($):
23 lfSortBy = Trier les vols par:
24 lSort = Trier par:
25 tfNumber = Numéro de vol
26 tfName = Nom du vol
27 tfOrigin = Origine du vol
28 tfDestination = Destination du vol
29 tfDuration = Durée du vol (min)
30 ttSeats = Des places
31 tfCost = Coût du vol($)
32 message01 = échec, champ(s) d'informations de vol manquant(s)!
33 message02 = échec, le numéro de vol est obligatoire!
34 message03 = échec, la suppression de la base de données a échoué!
35 message04 = Échec, changement d'opération, numéro de vol obligatoire!
36 message05 = Échec, aucune donnée fournie pour modifier les informations de vol!
37 message06 = Échec, pas de vols dans la base de données!
38 message07 = Échec de l'ajout, le vol existe déjà dans la base de données!
```