UML Class Diagram

UML Activity Diagram

Group:
Amey Khairnar
Endrit Memeti
Bryan Huynh
Allen Gomez

ChoiceWindow

+ books : Collection*
+ genres_chosen : vector <int>
+ books_added : vector <Book>
+ id_nums : vector <int>
+ year : int
+ rating : int
+ userListView : QListView*
+ model : QStringListModel*
- ui : ChoiceWindow*

+ ChoiceWindow(parent : QWidget*)
+ ~ChoiceWindow()
- connect_Signals()
- disconnect_Signals()
- connect_rating_Signals()
- disconnect_rating_Signals()
- read_list()
+ on_deleteButton_clicked()
+ on_info_button_clicked()
+ user_list_buy_book(idn : int)
- new_Value_Changed(newValue : int)
- new_Rating_Changed(newRating : int)
- on_genre_crime_clicked()
- on_genre_ficiton_clicked()
- on_genre_non_fiction_clicked()
- on_genre_mystery_clicked()
- on_genre_classic_clicked()
- on_genre_manga_clicked()
- on_genre_sci_fi_clicked()
- on_genre_historical_clicked()
- on_genre_horror_clicked()
- on_genre_thriller_clicked()
- on_genre_romance_clicked()
- on_genre_cookbook_clicked()
- on_genre_suspense_clicked()
- on_genre_humor_clicked()
- on_genre_fantasy_clicked()
- on_button_userlist_clicked()
- on_button_find_clicked()
- on_button_exit_clicked()
- on_button_refresh_clicked()

Book

+ id : int
+ title : string
+ author : string
+ year : int
+ rating : float
+ link : string
+ about : string

Collection

list : vector <Book>
user_list : vector <int>

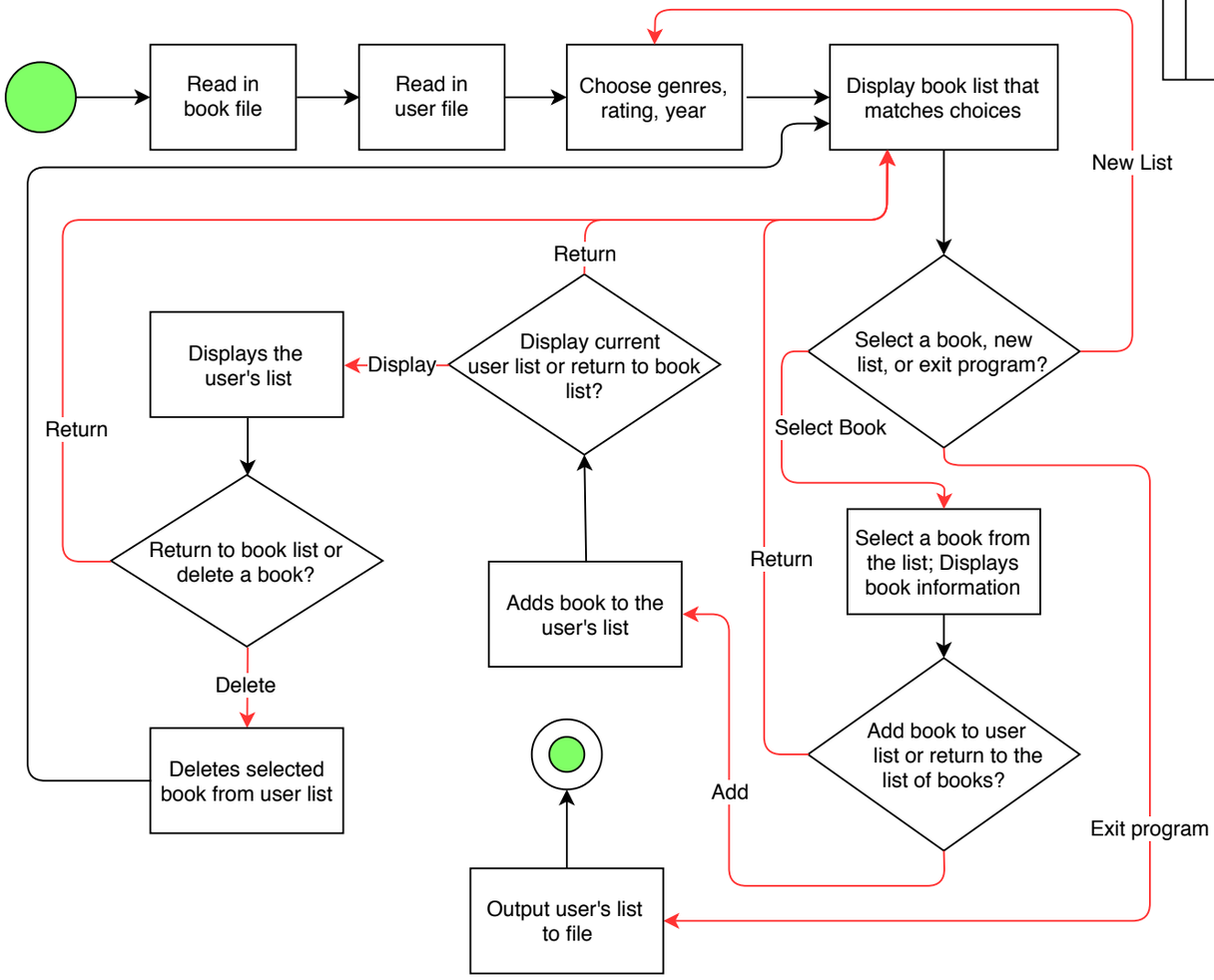
+ get_list()
+ get_user_list()
+ get_book(n : int)
+ read_file()
+ get_rand_list(genres_indexes : vector <int>, rating : float, year : int)
+ display_books(rand_list : vector <Book>, genres : vector <string>, books : Collection*)
+ already_there(idn : int, lst : vector <Book>)
+ in_user_list(idn : int)
+ read_user_file(filename : string)
+ delete_book(idn : int)
+ output_file(filename : string)
+ extra_info(id : int)
+ add_book(idn : int)
+ buy_book(idn : int)

UserWindow

+ books_stored: vector <Book>
+ id_list : vector <int>
- ui : UserWindow*
- model : QStringListModel*

+ UserWindow(books : Collection*, parent : QWidget*)
+ ~UserWindow()
- on_detailsButton_clicked()
- on_deleteButton_clicked()

RandList

- ui : RandLits*

+ RandList(parent : QWidget*)
+ ~RandList()