# JavaFX Movie Ticket Booking System

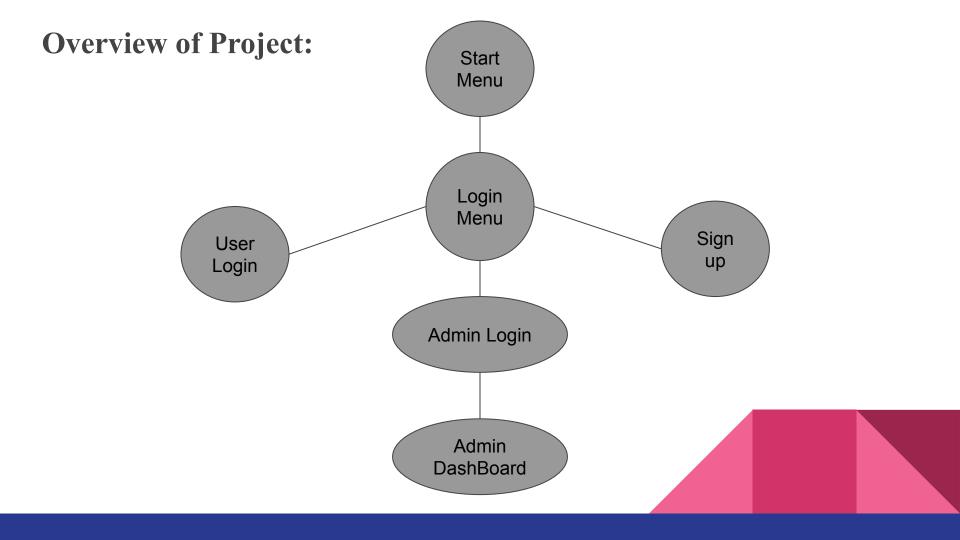
CSE-2112 (OOP) Final Project

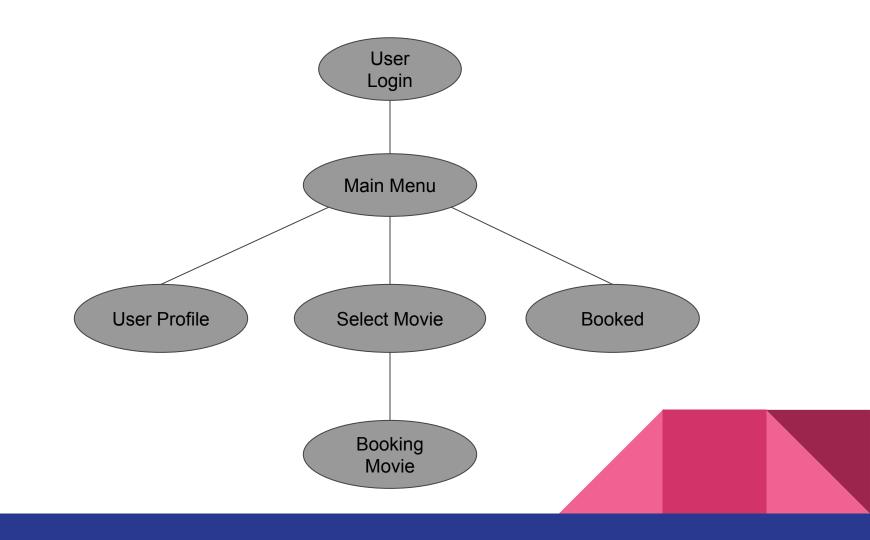
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### **Key Features**

- 1. Text File based Database
- 2. Clean UI with Animation
- 3. Unique Username for each profile
- 4. Password Recovery Option
- 5. Admin Dashboard for control Movie Database
- 6. Logout/Back Button in all window
- 7. Booked Ticket Display
- 8. Easy Booking Option

Video Sample: <u>Demo</u>





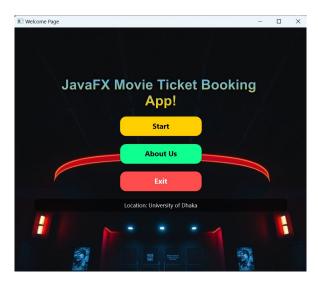
#### Start Menu

#### HelloApplication.java

```
public static void main(String[], args){
    launch();
}
```

#### **Methods:**

handle\_Login, handle\_About, handle\_exit, apply\_animation



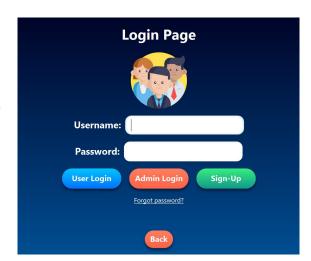
Start Window

### Login Menu

• Text File Database format:

Username|password|firstname|lastname|DOB|Due|Tickets

 Takes username and password and match in the user database.txt file.



Login Window

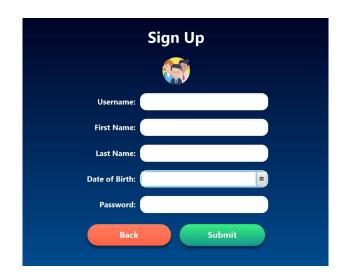
• After matching, create a user class object to pass all details.

# Sign Up

• Text File Database format:

Username|password|firstname|lastname|DOB|Due|Tickets

 Takes input of unique username, firstname, last name, Date of birth and password.



SignUp Window

• Add all to the user\_database.txt file used for login handle.

#### Admin Menu

• Text File Database format:

Movie|price|timeslot1|seats1|available1|timeslot2|seats2|available2|timeslot3|seats3|available3

 Add, remove directly any data in the movie database.txt file



**Admin Window** 

### User Profile

- User class object from login, pass all data.
- Display all the details (without password)

Dashboard Type window

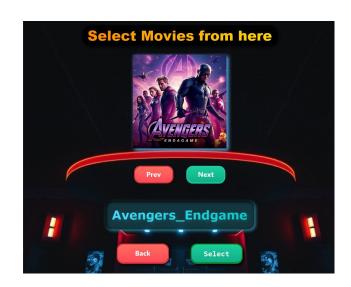


## Movie Selection (UI-1)

• A Movie class was made for handle movie.

AI Generated Thumbnails were stored in a file,
 With the same name of my folder.

An ArrayList() was made for store thumbnails
 with the same name of files.

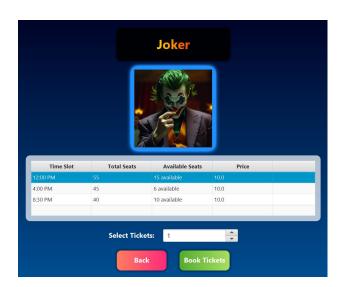


# Ticket Booking (UI-2)

• Handles booking mechanism

Selects tickets from the movie object selected
 In previous window.

Update again user\_database.txt for tracking
 The booked movie objects



#### Future Enhancements

- Database integration (e.g., MySQL) for scalable data management.
- Payment gateway integration for online ticket booking.
- Graphical seat selection interface.

#### References

- 1. All the movie thumbnails were generated from the website: Al Image

  Generator
- 2. Icons that has been used, collected from a free website: <u>Flaticon</u>
- 3. **Reference Book:** JavaFX 9 by Example, Carl Dea, Gerrit Grunwald, Jose Pereda, Sean Phillips, Mark Heckler

