

## CSCI 4050/ 6050 Software Engineering

### Term Project, Deliverable Number 3

#### The User Interface of the Cinema E-Booking System

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Based on the analysis of the Cinema E-Booking System, implement a prototype for the Cinema E-Booking System. The prototype should demonstrate the complete UI of the system.

Evaluation of this assignment will be by demonstrating the user interface to the instructor or the TAs. The actual due date is the time you schedule for your demo. The demo schedule is on eLC at the content page.

You must submit the source code files (java, Python, ..., or the web interface) to the assignment folder on eLC before your demo time. Figma prototypes are not acceptable. You must program the frontend. You can start with a Figma prototype to discuss the UI design with your team and/or to check with the instructor or one of the TAs that you are designing the required UI.

Except for movie search and the trailers, you don't have to implement functionalities, navigation from one screen to another, nor event handling.

The number of pages/windows depends on your UI design.

You must implement all the required UI (views, windows, or pages) based on your analysis of the project.

I expect that you will cover all use cases. Use your analysis models, imagination, innovation, and apply design principles.

#### Required Views:

##### A) User View [ 110 Points]

1. Home page for the Cinema E-Booking System and the backend code: **50 points**  
The home page should show movie trailers, users should be able to play the trailer.  
You must create the movies table in the DB and store some sample movies. Check the project requirements for the attributes of the movie. You need to add any fields that you need from your analysis. Note that you need to implement the class Movie and retrieve movie objects from the database.  
You do not need to store the movie trailer in the database table, you may store the link to trailer (use an external media e.g., YouTube). However, the trailer must be embedded and run on the home page of the system.

The home page shows two categories of movies: Currently Running and coming soon movies.

The home page should show a facility to search for movies, and users should be able to search for a movie, for this prototype, you can implement the search by title only.

*We will test adding a movie to the database table, the movie should be displayed on the home page under the corresponding category.*

The homepage should show an option to login.

Whenever applicable show the “book movie” button.

2. Registration UI. Show all input fields and identify mandatory fields. 10 points
3. Registration confirmation window/page. 5 points
4. Login window/page 5 points
5. Edit profile window/page. 5 points
6. All views that are needed to buy tickets (select movie, select show time, select seats and age for each seat) 20 points
7. Order summery view: 5 points  
Showing ticket details and the price of each ticket, and the order total. The user should be able to update the order, delete a ticket or to confirm and continue to checkout.
8. Check out UI (Form):  
Show all fields required with options to confirm or cancel. 5 Points
9. Order confirmation page. 5 points

**B) Admin View [ 30 Points]**

Admin main screen

10 Points

The admin view should show options to manage movies (including movie scheduling), manage users, and manage promotions.

10. Manage promotions screen. 10 points
11. Manage movies screen. 10 points

**C) Look and feel of the UI [10 Points]**