

Ticket Booking Site

Software Design Specification

Group 20

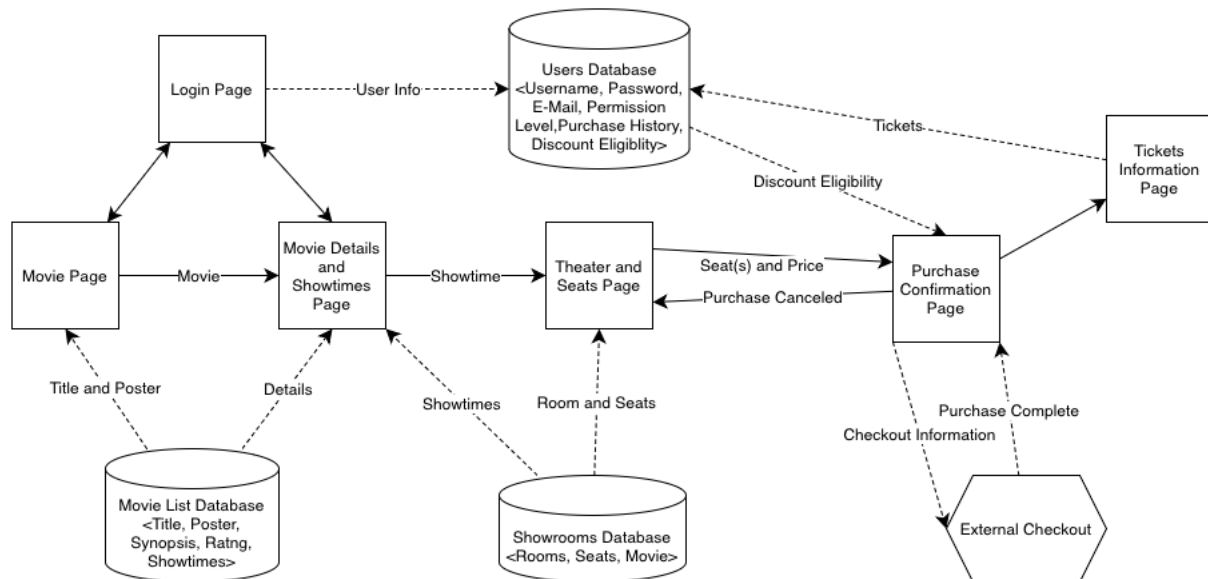
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System Description

This system will be a ticketing site for a local theater with a few rooms. Each room will be numbers and have a set number of seats that can be sold and will be showing specific movies at different showtimes throughout the day. The site will allow users to log in and choose their movie, showtime, and seats. Purchases will be collected and tracked in a database both to have a record of the tickets purchased, and for potentially offering certain users discounts.

Software Architecture Overview

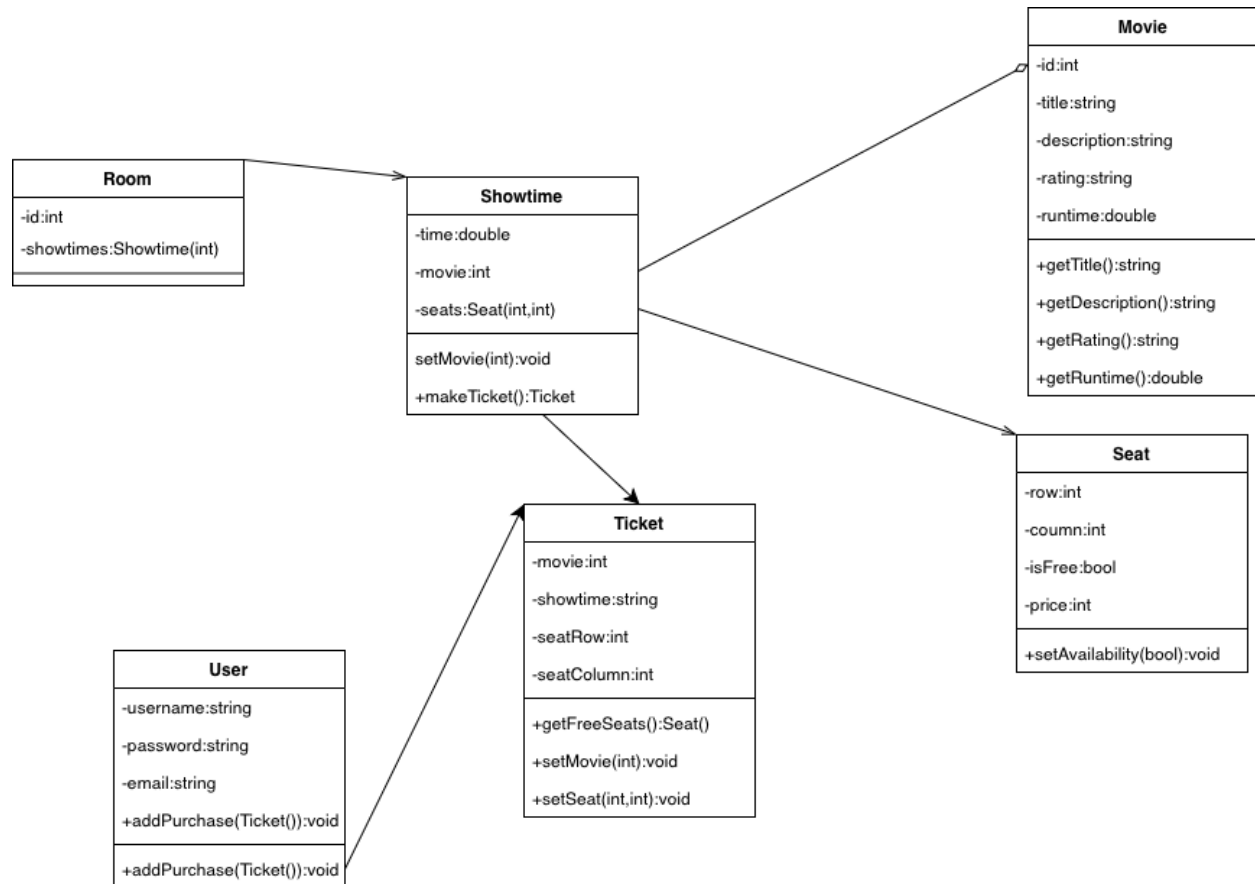
Architectural diagram of all major components



The movie page will be the first page of the site that displays the movies on selection that may be clicked on. Clicking on a movie takes one to a page showing the details, such as synopsis and rating, and showtimes that may be selected to proceed to the next page. The theater room and seats page will contain the available options for purchase that may be selected before finally proceeding to the confirmation page. The confirmation page will display the current choices and the total, which will be handled by a third-party payment processor. The tickets page will display the finalized information, which will be stored in the purchase history of the user.

There will be a database containing the movie choices and their information as well as a database containing the theater rooms, their seats and the movies being played. The user database will hold purchase history that may be used for offering discounts.

UML Class Diagram



Description of classes

Description of attributes

Description of operations

Development Plan and Timeline

- Partitioning of tasks
- Team member responsibilities