

Software Documentation

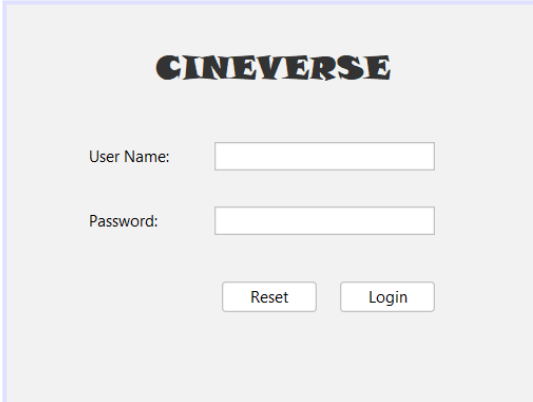
CINEVERSE: Ticket Booking System

Description

The Ticket Booking System is designed for administrators to manage movie bookings efficiently. It allows the admin to input movie details such as the film name, showtime, number of tickets bought, and seating class (lower, middle, or balcony). The system is aimed at ensuring smooth ticket allocation and monitoring bookings.

Application Features and Navigation Flow

01. Login screen

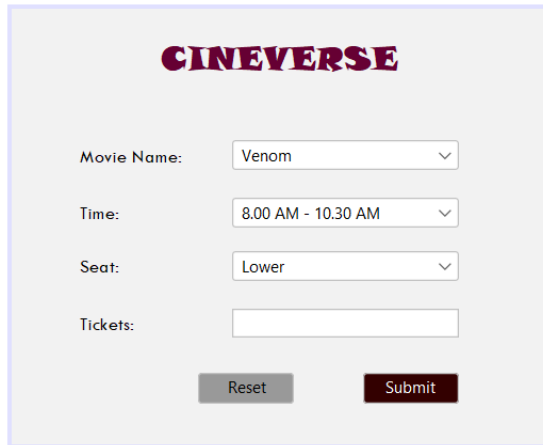


Purpose: To authenticate the admin.

Features: Username and password fields.

- Ensure secure access with hardcoded credentials. (Username: "admin", Password: "1234").
- Successful login redirects to the main menu.

02. Menu screen



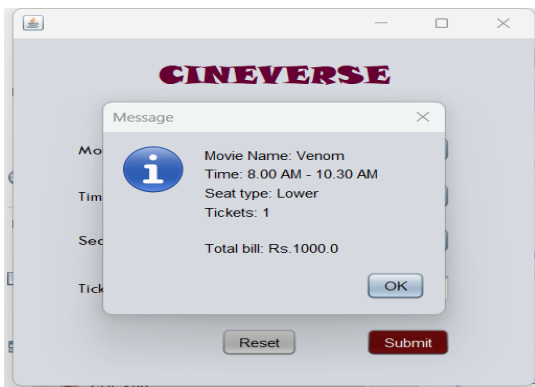
The screenshot shows the 'CINEVERSE' menu screen. It features a title bar with the application name. Below the title, there are four dropdown menus: 'Movie Name:' with 'Venom' selected, 'Time:' with '8.00 AM - 10.30 AM' selected, 'Seat:' with 'Lower' selected, and 'Tickets:' which is currently empty. At the bottom, there are two buttons: 'Reset' and 'Submit'.

Acts as the main hub to navigate the application's features.

Options include

- Show Movie Names
- Show Times
- Number of Tickets field
- Seat Class

03. Invoice screen



The screenshot shows the 'CINEVERSE' invoice screen. A modal dialog box titled 'Message' is displayed in the center, containing the following information: 'Movie Name: Venom', 'Time: 8.00 AM - 10.30 AM', 'Seat type: Lower', 'Tickets: 1', and 'Total bill: Rs.1000.0'. There is an 'OK' button at the bottom right of the dialog. In the background, the main form is visible with 'Reset' and 'Submit' buttons.

After clicking the submit button, software will calculate and display final bill and booking information.

Challenges Faced and Solutions

1. Challenge: Organizing data for display in the View Bookings screen and validating inputs effectively.

Solution: Used a JOptionPane component to present data dynamically, making it easy to view, checks input and shows error message.

2. Challenge: Validating inputs for numerical fields (Tickets).

Solution: Implemented input validation to restrict non-numerical characters and no negative values.