

Movie Ticket Booking System

First year final project | 16.2



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1 ABOUT OUR PROJECT

1.1 PROJECT DETAILS

- Project Name : Movie Ticket Booking System
- Languages and Software Tools used :
 - Language : Java
 - Database : MySQL

1.2 MAIN AIMS AND OBJECTIVES

- To make easy to the customer check the movies and book their own seat.

1.3 PURPOSE OF OUR PROJECT

Our task was to design and implement an Object-Orientated System using UML diagrams and NetBeans IDE. So, we designed a movie ticket booking system to view the movies available and book ticket online.

1.4 QUESTION

Assignment Title: Object Oriented Design and Implementation

Submission Deadline: 7th August 2017 (will notify the Viva)

Weighting to final grading: 20%

Assessment Outcome:

- Produce high-quality OO solutions to the given problems, documented using UML diagrams.
- Produce high-quality, working Java code that adheres to the conventions of good coding style
- Display insight into strengths and weaknesses of the structure and performance, and final product and into personal development practices.

This coursework requires you to use UML and Java/NetBeans to design and implement an object oriented system according to a selected specification (E.g. Student Mgt Sys, Library Mgt Sys, Banking Application, etc.).

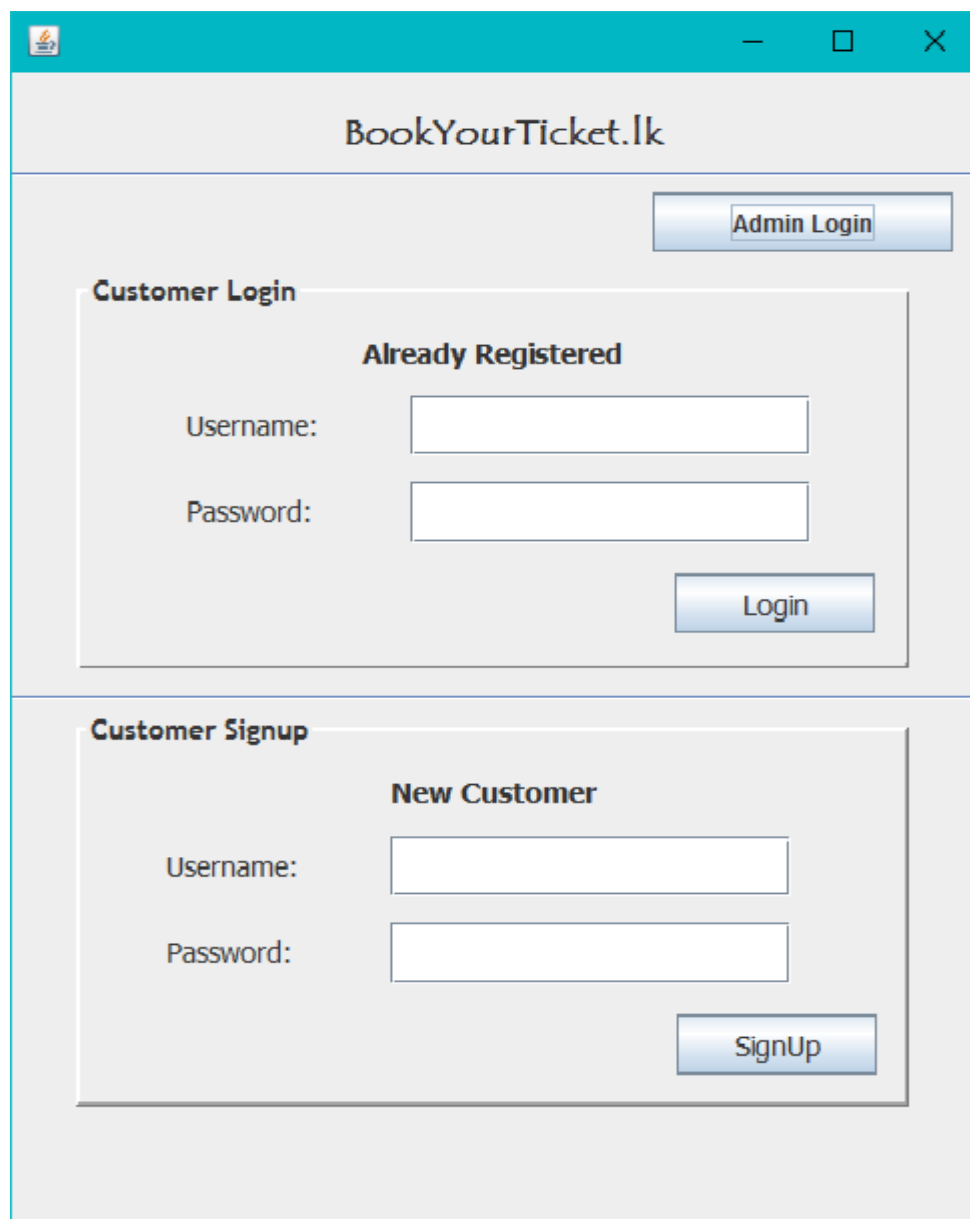
1. Implementation: The solution must include both a data model and a graphical user interface (GUI).
2. Report: You also need to evaluate the quality of your final product and your personal practice throughout this assignment. You may discuss how you have practiced OOP and other learnt concepts inside your project.

2 GROUP MEMBERS

- | | |
|------------------------|-----------------------|
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3 PROJECT DESCRIPTION

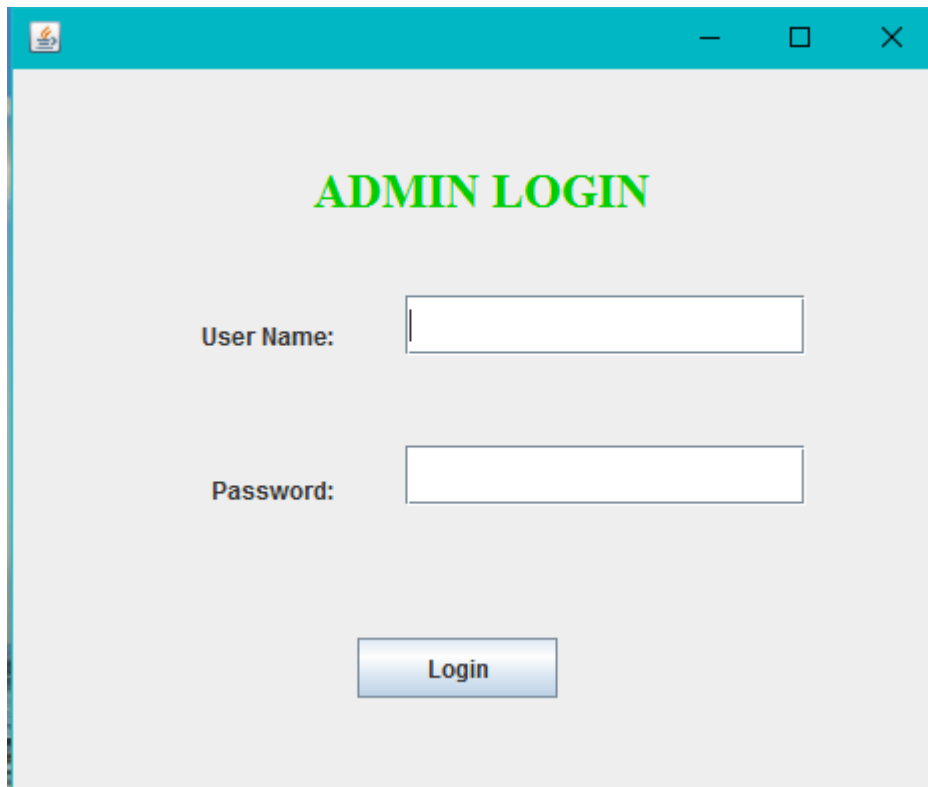
We have created an online movie ticket booking system. In here customers can book time for the movies, regular customers just have to sign in and do their bookings and new customers can sign up and do their bookings. When a new customer has registered to the system his or her details are recorded in the database.



The screenshot shows a web browser window with the title 'BookYourTicket.lk'. The interface is divided into two main sections. The top section is titled 'Customer Login' and contains a sub-section 'Already Registered' with fields for 'Username:' and 'Password:', and a 'Login' button. The bottom section is titled 'Customer Signup' and contains a sub-section 'New Customer' with fields for 'Username:' and 'Password:', and a 'SignUp' button. An 'Admin Login' button is located in the top right corner of the interface.

This is the first interface one can see when they go into the system. Admins can also login to the system by clicking the Admin Login button in the top right corner of the interface.

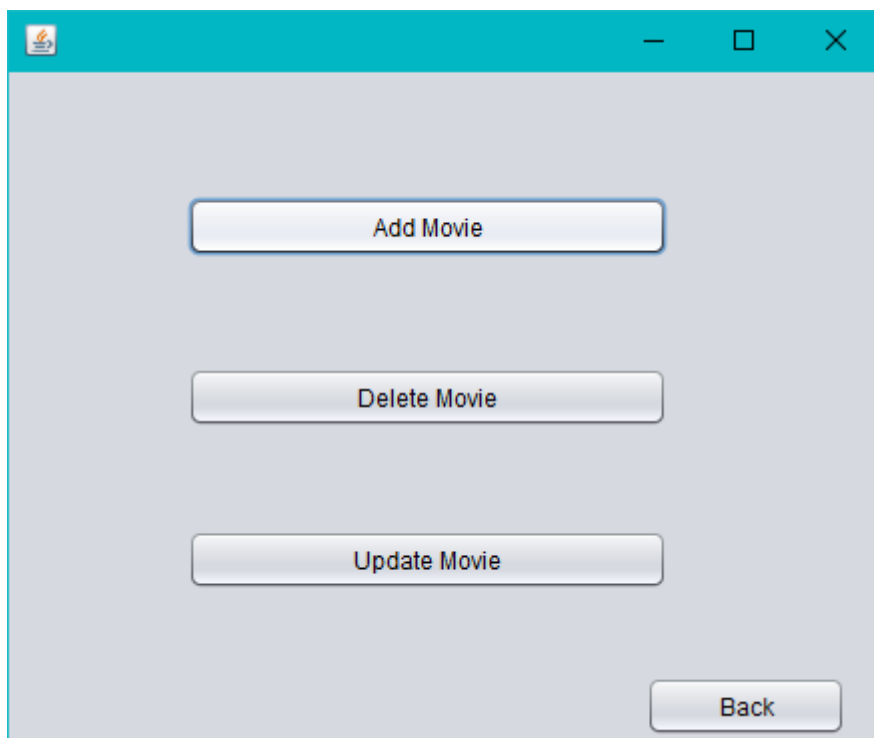
ADMINS'PROCESS



A screenshot of a web application window titled "ADMIN LOGIN". The window has a teal header bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area is light gray. In the center, the text "ADMIN LOGIN" is displayed in a large, bold, green serif font. Below this, there are two input fields: "User Name:" followed by a white text box, and "Password:" followed by a white text box. At the bottom center, there is a blue button with the text "Login" in white.

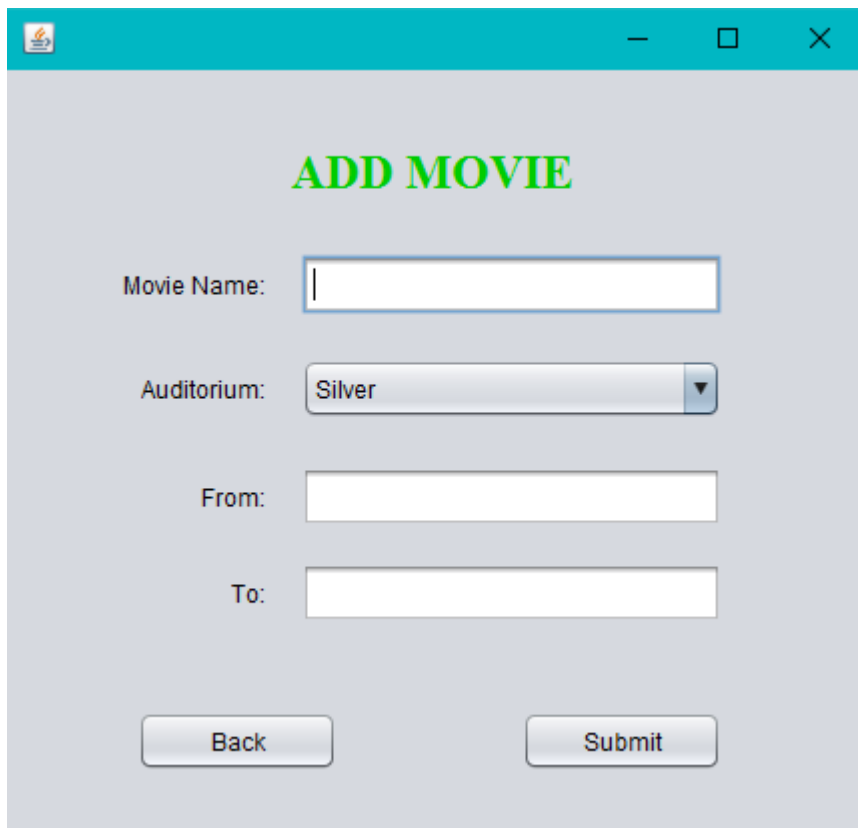
This is the admin login. Only admins can see this.

Admins can change the entered data like changing the time period of a movie, the auditorium which is playing the movie, remove a movie etc.



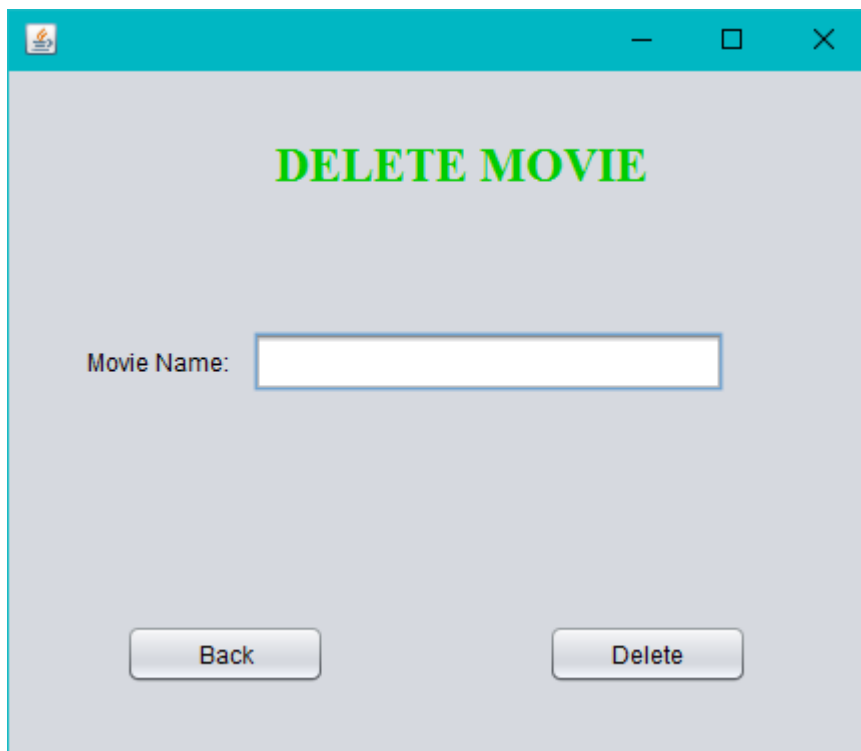
A screenshot of a web application window showing administrative options. The window has a teal header bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area is light gray. It contains four buttons arranged vertically in the center: "Add Movie", "Delete Movie", and "Update Movie", all in white text on light blue buttons. In the bottom right corner, there is a smaller button labeled "Back" in white text on a light blue button.

Admin can choose what alter should be done.



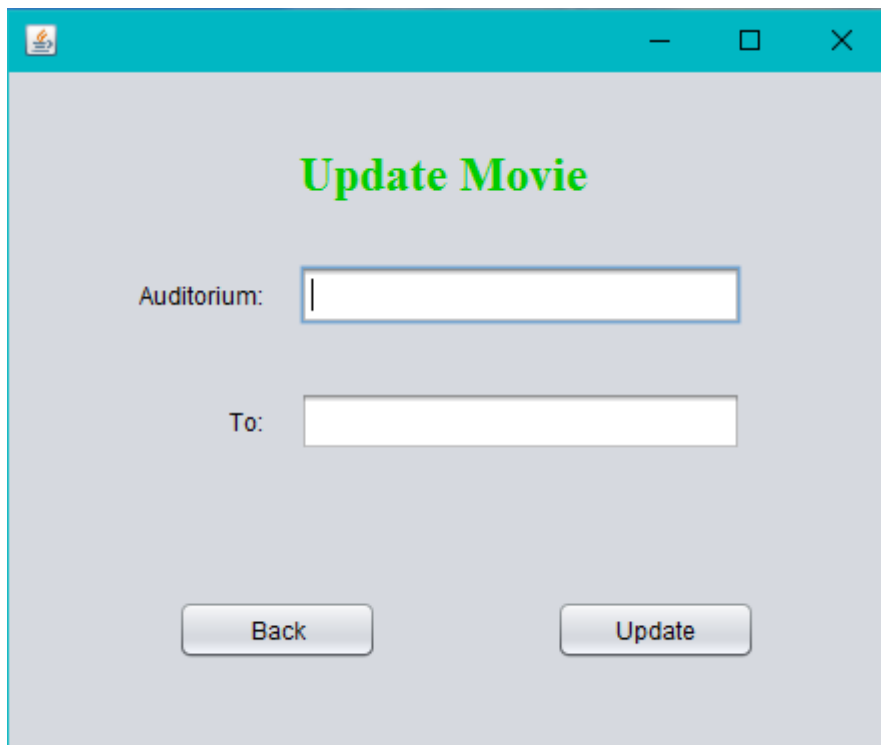
The screenshot shows a web application window titled "ADD MOVIE". The window has a teal header bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area is light gray. At the top, the title "ADD MOVIE" is displayed in a large, bold, green serif font. Below the title, there are four input fields: "Movie Name:" followed by a text input box, "Auditorium:" followed by a dropdown menu showing "Silver", "From:" followed by a text input box, and "To:" followed by a text input box. At the bottom of the form, there are two buttons: "Back" and "Submit", both with a light gray gradient and rounded corners.

When adding a movie, admin can enter the name of the movie select an auditorium and set the time period. The entered data are saved in the database.



The screenshot shows a web application window titled "DELETE MOVIE". The window has a teal header bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area is light gray. At the top, the title "DELETE MOVIE" is displayed in a large, bold, green serif font. Below the title, there is one input field: "Movie Name:" followed by a text input box. At the bottom of the form, there are two buttons: "Back" and "Delete", both with a light gray gradient and rounded corners.

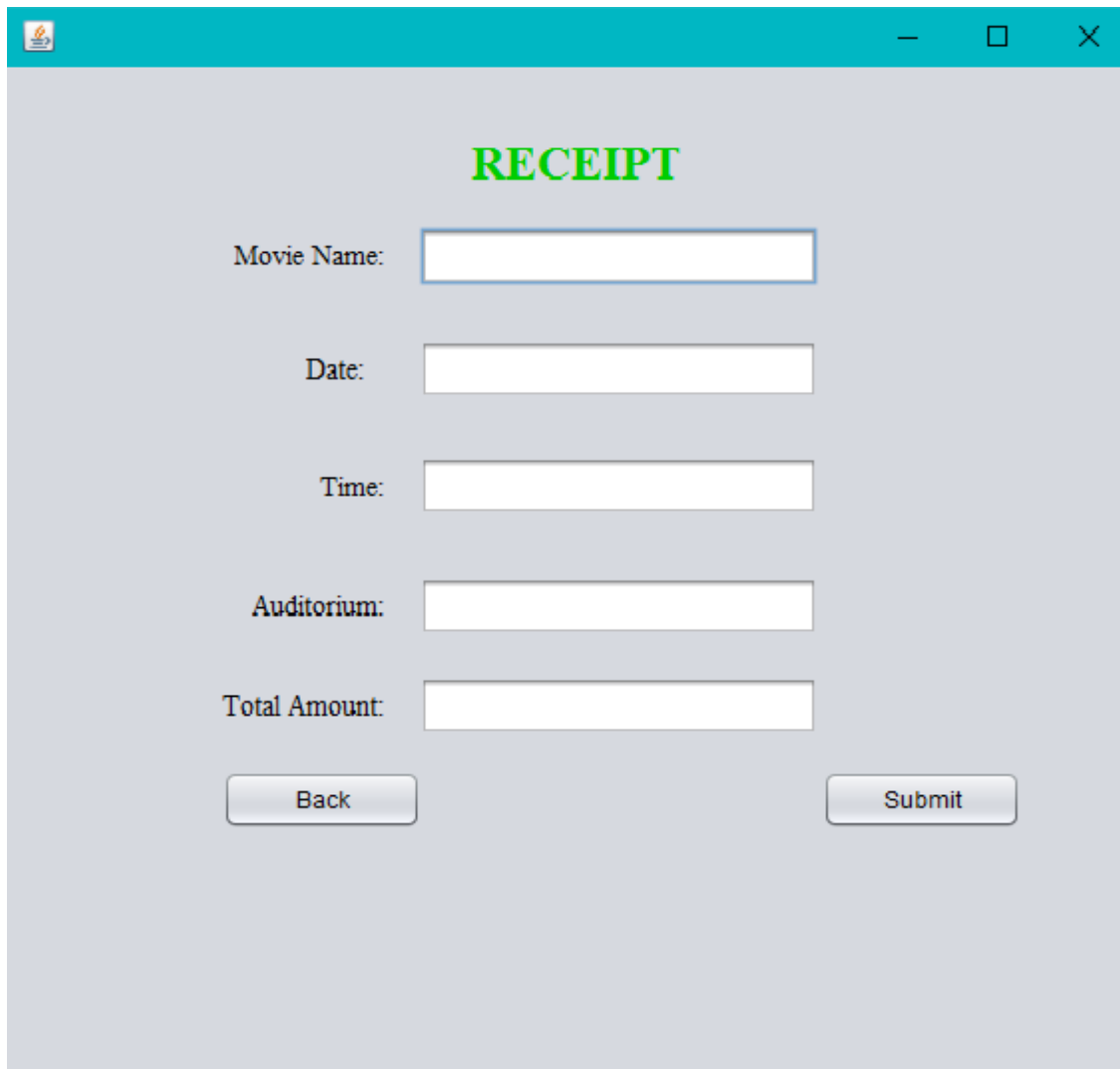
When deleting a movie, admin only need to enter the name of the movie and click the delete button. Then the entry for that particular movie is deleted from the system.



The screenshot shows a web application window titled "Update Movie". The window has a teal header bar with a small logo on the left and standard window controls (minimize, maximize, close) on the right. The main content area is light gray. At the top, the title "Update Movie" is displayed in a large, bold, green font. Below the title, there are two input fields. The first field is labeled "Auditorium:" and the second is labeled "To:". Both fields are empty and have a light blue border. At the bottom of the form, there are two buttons: "Back" and "Update". Both buttons are light gray with a subtle gradient and rounded corners.

Admin can update details like the auditorium and showing time. After changing the fields as required by clicking the update button data is being updated.

CUSTOMERS' PROCESS

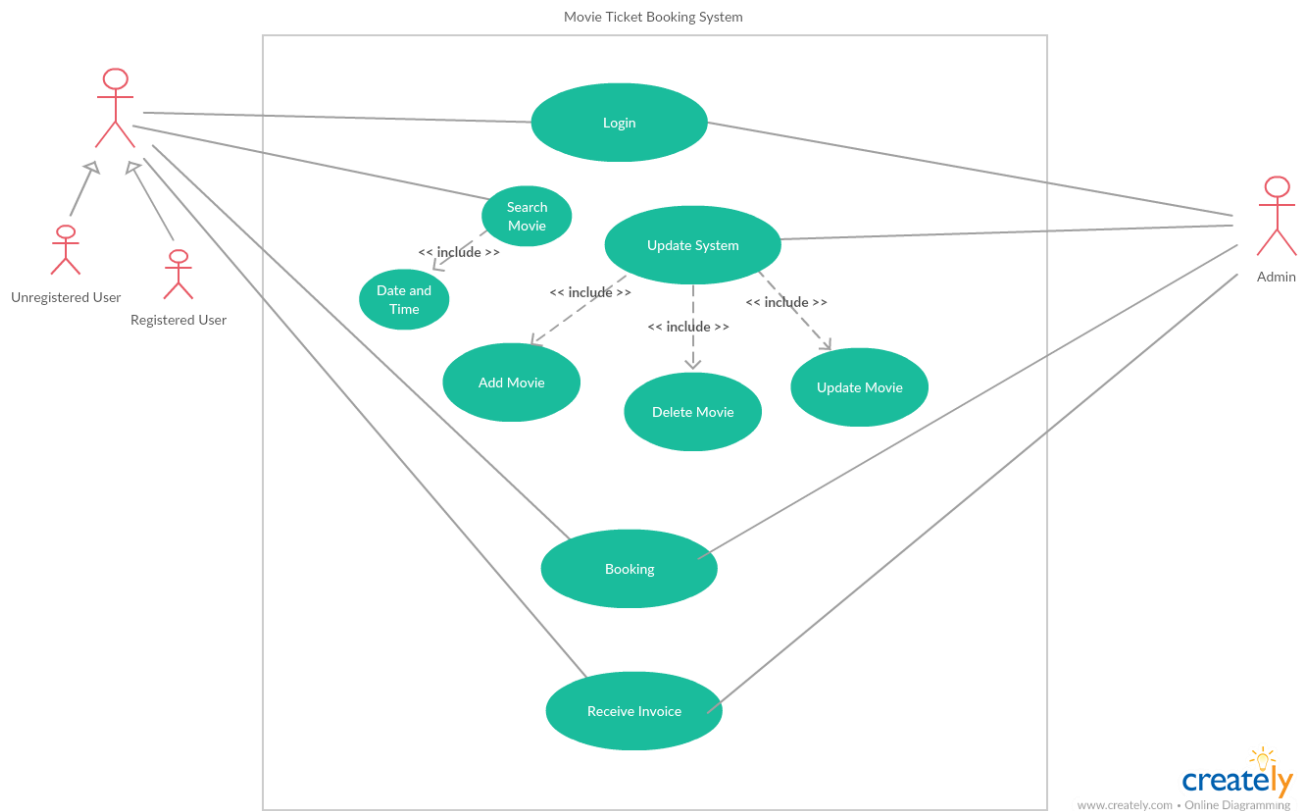


The image shows a screenshot of a web application window titled "RECEIPT". The window has a teal header bar with a small icon on the left and standard window controls (minimize, maximize, close) on the right. The main content area is light gray. At the top center, the word "RECEIPT" is displayed in a large, bold, green font. Below this, there are five input fields, each preceded by a label: "Movie Name:", "Date:", "Time:", "Auditorium:", and "Total Amount:". Each label is in a dark gray font, and each input field is a white rectangle with a thin gray border. At the bottom of the form, there are two buttons: "Back" on the left and "Submit" on the right. Both buttons are light gray with rounded corners and a subtle gradient.

After customer has booked the movie the receipt is displaying with all the entered fields filled and the amount of the booked details.

4 SYSTEM DESIGN

Use Case Diagram



Class Diagram