

PROJECT PROPOSAL - Movie Rental

Project Title: Movie Rental Application

Project Description

For our project, we are planning on developing a movie rental application. This is not intended to be used by end-users. From this application, we can manage the movies available, customer profiles, and allow users to rent movies. If we have time, we would also like to allow users to place movies on hold (like a reservation).

When the application begins, you will land on the 'Borrow Movie' Form. This window will show all *available* movies, which can be filtered by Genre. You can select a movie, and then enter the email address of the user who wishes to borrow this movie. If done successfully, the movie will be borrowed.

There will also be an option (in menu bar) to return movies, which will work similarly to Borrow Movie, but in reverse. First you enter the users email, and then their 'borrowed' movies will appear below. Button to 'Return Movie' will make this film available again.

The other options in the menu bar are to Manage Users & Manage Movies. We will first focus on adding new Users/Movies, and then (time permitting) move on to other CRUD operations.

Technologies Used

- Windows Forms, C#
- SQL Database
- Multiple windows & dialogs
- EntityFramework (OO database access)
- Ribbon or Menu
- PDF Generation or Printing (to show summary of movie status: in stock / rented)
- Globalization/Localization

Time Permitting:

- Storing binary data (pictures of movies)
- Installer

Mockups

Borrow Movies (Starting Page)

The mockup shows a desktop application window titled "Borrow Movies". It features a menu bar with "Borrow Movies", "Return Movies", "Manage Users", and "Manage Movies". The main content area is titled "Borrow Movies" and contains three sections: "Search in Movies", "Search Results", and "Borrow".

Search in Movies

Name

Genre

Search Results

Borrow

Username (Email)

Return Movies

FormReturn

Borrow MoviesReturn MoviesManage UsersManage Movies

Return Movies

User Information

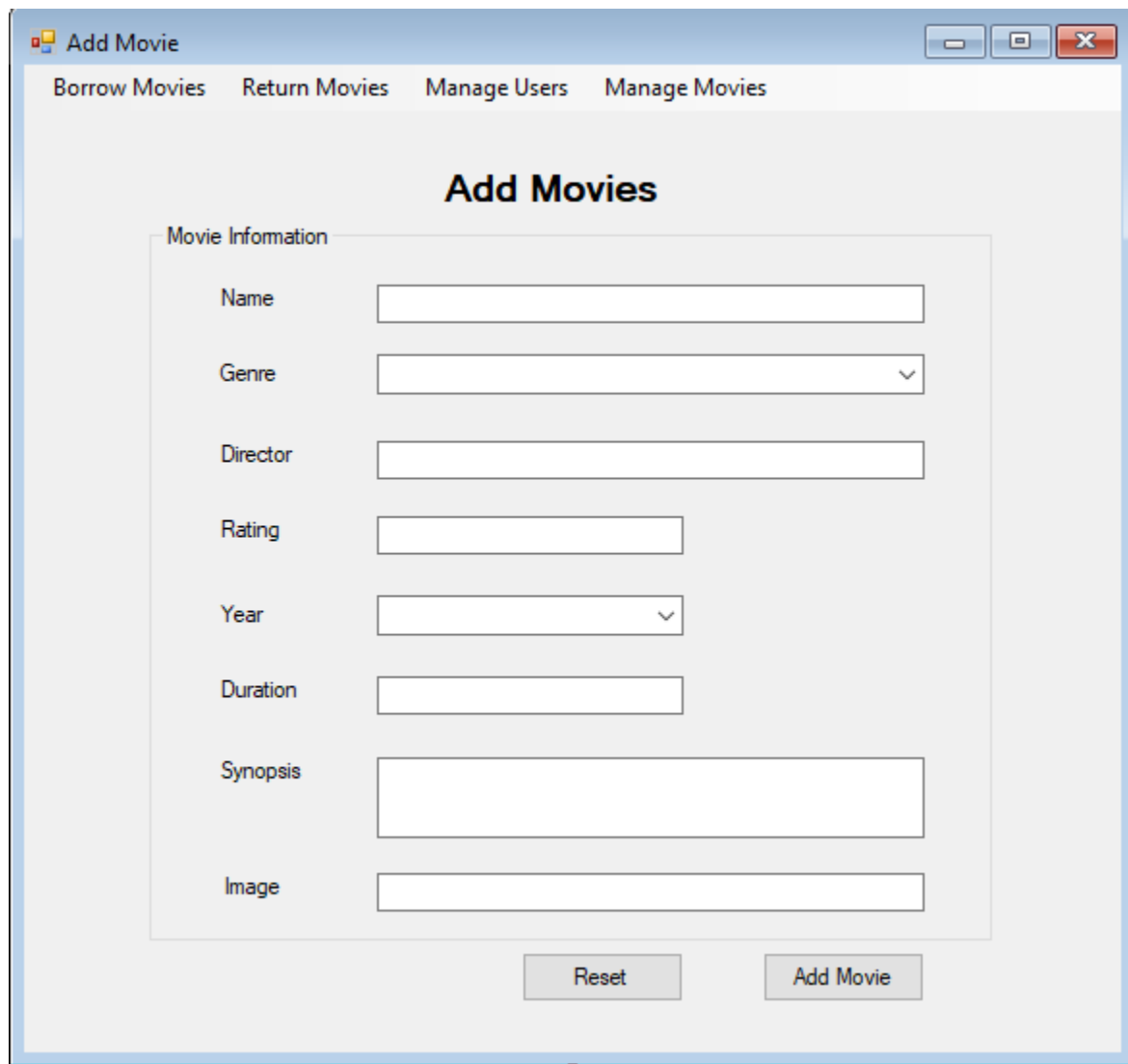
Username (Email)

Search

Borrowed Movies

Return

Add Movies

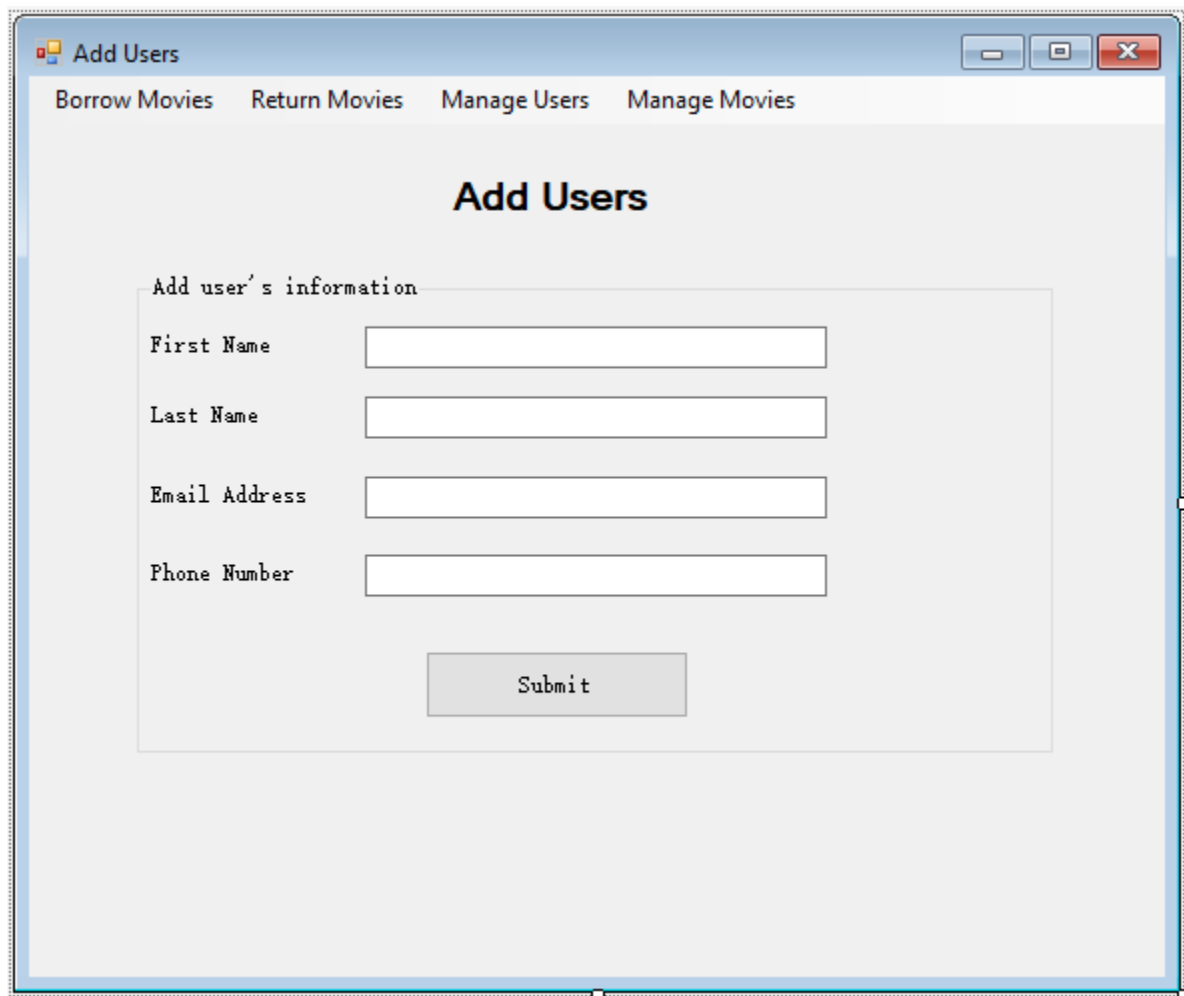


The screenshot shows a web application window titled "Add Movie". The window has a menu bar with four items: "Borrow Movies", "Return Movies", "Manage Users", and "Manage Movies". The main content area is titled "Add Movies" and contains a form labeled "Movie Information". The form has the following fields:

- Name: Text input field
- Genre: Dropdown menu
- Director: Text input field
- Rating: Text input field
- Year: Dropdown menu
- Duration: Text input field
- Synopsis: Text area
- Image: Text input field

At the bottom of the form, there are two buttons: "Reset" and "Add Movie".

Add users



The screenshot shows a web application window with a title bar labeled "Add Users" and standard window controls (minimize, maximize, close). Below the title bar is a navigation menu with four items: "Borrow Movies", "Return Movies", "Manage Users", and "Manage Movies". The main content area has a heading "Add Users" and a form titled "Add user's information". The form contains four input fields: "First Name", "Last Name", "Email Address", and "Phone Number". A "Submit" button is located below the input fields.

Add Users

Borrow Movies Return Movies Manage Users Manage Movies

Add Users

Add user's information

First Name

Last Name

Email Address

Phone Number

Database Design

