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## Chapter:01

### Introduction:

Dive into Endless Entertainment with Netflix

Netflix is a premium streaming platform overflowing with movies which is created with C# programming language. It can ignite the imagination of viewer whether a casual viewer or a dedicated cinephile. Netflix contains **2 Membership**.

**Standard Membership:** Perfect for the casual moviegoer, our standard membership grants access to a vast library of movies and shows. Explore hidden gems, rediscover classics, and unwind with a curated selection of content.

**Premium Membership:** Premium membership contains entertainment to the next level with the latest release, blockbuster hits, and critically acclaimed titles. Binge-watch trending shows, discover exclusive content, and enjoy the ultimate viewing experience with high-definition streaming.

### Features of Netflix

- **Personalized Recommendations:** Our intelligent recommendation engine curates a personalized list of movies and shows.
- **Seamless Streaming:** Enjoy uninterrupted entertainment with smooth playback and the ability to watch on your favorite devices.

## Chapter:02

### User Story

There are 3 types of users in our project. Admin, Normal User and Premium Users. The features are described below:

#### Admin

- **Login:**
  - Admin can log in using a secure email and password.
  - The system performs basic validation on input email and password.
  - Upon successful login, Admin should be directed to an Admin Dashboard.
- **User Management:**
  - **View Users:** Admin can view a list of all users (Normal and Premium) in the system.

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This list should include relevant user information such as name, email, and user type (Normal/Premium).

- **Add User:** Admin can add new Normal users by providing their email address, name, password, and date of birth. Admin can also add new Premium users by providing the same information as Normal users, along with their credit card details and subscription preference (monthly or yearly).
- **Search User:** Admin can search for a specific user by email address.
- **Update User:** Admin can update the details of any user (Normal or Premium), including name, email address, password, and date of birth. For Premium users, Admin can also edit their credit card details and subscription preference.
- **Delete User:** Admin can search for a specific user by email address and can delete any user (Normal or Premium) from the system. The system should prompt for confirmation before deleting a user.

### Normal User

- **Registration:**
  - Normal users can register by providing their first name, last name, email address, password, date of birth, and gender.
  - Upon successful registration, the user receives a confirmation message and is redirected to the login page.
- **Login:**
  - Normal users can log in using their registered email address and password.
  - Basic validation is performed on credentials (e.g., email format, password correctness).
  - Upon successful login, the user is directed to the main streaming interface.
- **Movie Streaming:**
  - Normal user can stream top rated movies of different genres.
- **Movie Search:**
  - Normal users can search for movies by title or keywords on search bar. Upon searching for a movie, **If the movie is found**, The system prompts the user to confirm if they want to stream the movie (e.g., “Yes” or “No”) If the user confirms, playback of the movie starts, If the user declines, they are returned to the main interface, If the **movie is not found**, the system displays a clear message indicating the movie wasn’t found.

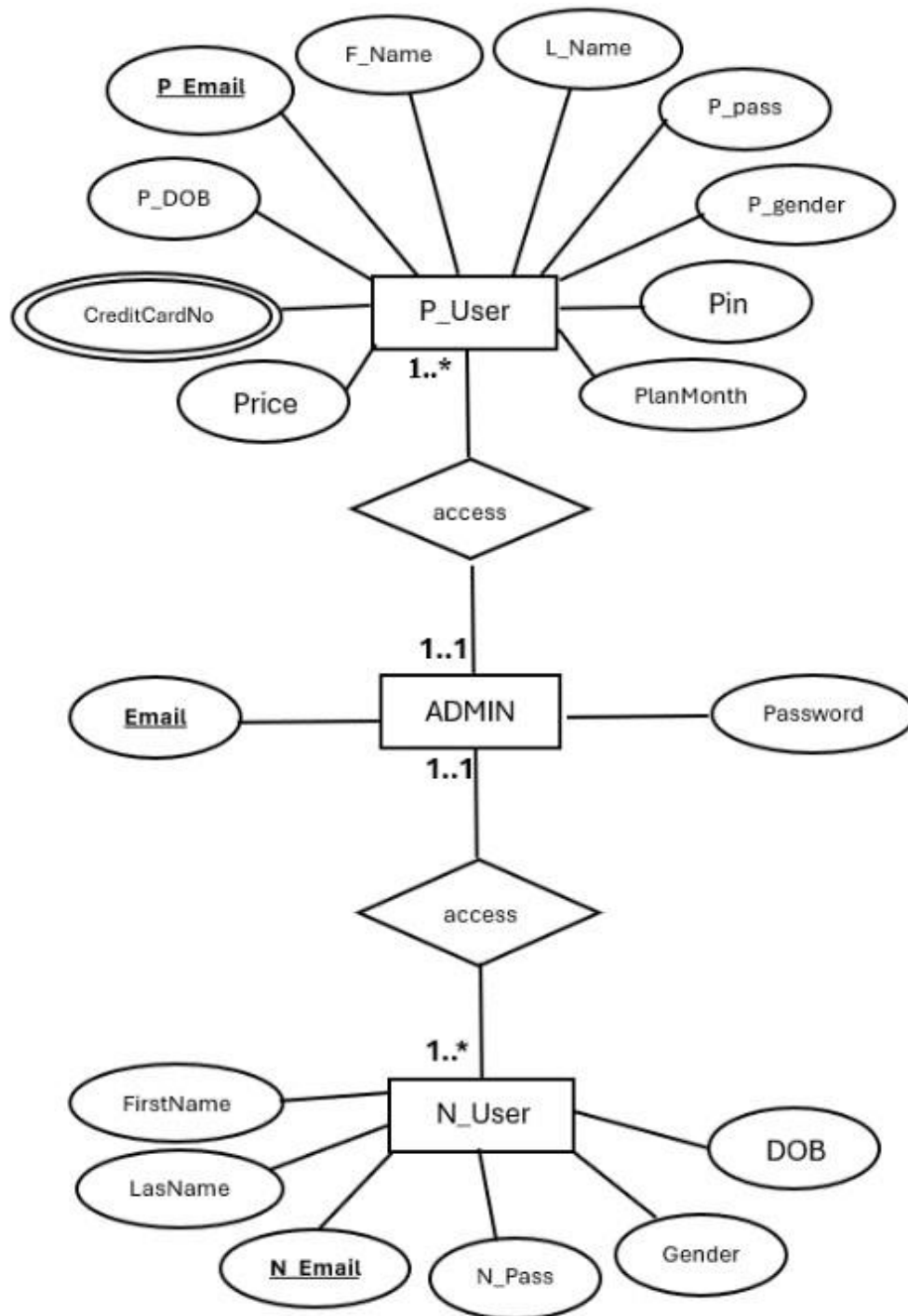
### Premium User

- **Registration:**
  - Premium Users can register by providing their first name, last name, email address, password, date of birth, gender, credit card no., pin and plan.

- 
- Upon successful registration, the user receives a confirmation message and is redirected to the login page.
  - **Login:**
    - Premium users can log in using their registered email address and password.
    - Basic validation is performed on credentials (e.g., email format, password correctness).
    - Upon successful login, the user is directed to the premium streaming interface.
  - **Movie Streaming:**
    - Premium user can stream 2024 latest trending movies also top rated action, adventure and drama movies.
  - **Movie Search:**
    - Premium users can search for movies by title or keywords on search bar. Upon searching for a movie, **If the movie is found**, The system prompts the user to confirm if they want to stream the movie (e.g., “Yes” or “No”) If the user confirms, playback of the movie starts, If the user declines, they are returned to the main interface, If the **movie is not found**, the system displays a clear message indicating the movie wasn’t found.

## Chapter:03

### ER Diagram



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## Normalization:

**UNF(Access) :** P\_Pass, F\_Name, L\_Name, P\_DOB, P\_gender, Pin, CreditCardNo, PlanMonth, Price, P\_Email, Email, Password

**1NF :** P\_Pass, F\_Name, L\_Name, P\_DOB, P\_gender, Pin, CreditCardNo, PlanMonth, P\_Email, Price, Email, Password

**2NF:** 1) P\_Pass, F\_Name, L\_Name, P\_DOB, P\_gender, Pin, CreditCardNo, PlanMonth, Price  
**P\_Email(pk)**

2) **Email(pk)**, Password

**3NF:** same as 2NF

**UNF(Access) :** N\_Email, N\_Pass, DOB, Gender, FirstName, LastName, Email, Password

**1NF :** N\_Email, N\_Pass, DOB, Gender, FirstName, LastName, Email, Password

**2NF:** 1) **N\_Email(pk)**, N\_Pass, DOB, Gender, FirstName, LastName

2) **Email(pk)**, Password

**3NF:** same as 2NF

## Finalization

### Premium User:

P\_Pass, F\_Name, L\_Name, P\_DOB, P\_gender, Pin, CreditCardNo, PlanMonth, Price,

**P\_Email(pk)** Normal User:

**N\_Email(pk)**, N\_Pass, DOB, Gender, FirstName, LastName

## SQL SEVER Queries

### Table Creation Query For Normal User Data Table

```
CREATE TABLE UserData (  
    SerialNo INT IDENTITY(1,1),  
    FirstName VARCHAR(50) NOT NULL,  
    LastName VARCHAR(50) NOT NULL,  
    Email VARCHAR(100) UNIQUE,  
    Password VARCHAR(20) NOT NULL,  
    DateOfBirth DATE NOT NULL,  
    Gender VARCHAR(10) NOT NULL  
);
```

### Table Creation Query For Premium User Data Table

```
CREATE TABLE PremiumUserData (  
    SerialNo INT IDENTITY(1,1),  
    FirstName VARCHAR(50) NOT NULL,
```

---

```
LastName VARCHAR(50) NOT NULL,  
Email VARCHAR(100) NOT NULL UNIQUE,  
Password VARCHAR(20) NOT NULL,  
DateOfBirth DATE NOT NULL,  
Gender VARCHAR(10) NOT NULL,  
CreditCardNo VARCHAR(16) NOT NULL,  
PIN VARCHAR(4) NOT NULL,  
Price DECIMAL(10, 2) NOT NULL,  
PlanMonth INT NOT NULL  
);
```

## Chapter:04

### Screenshots:

1.

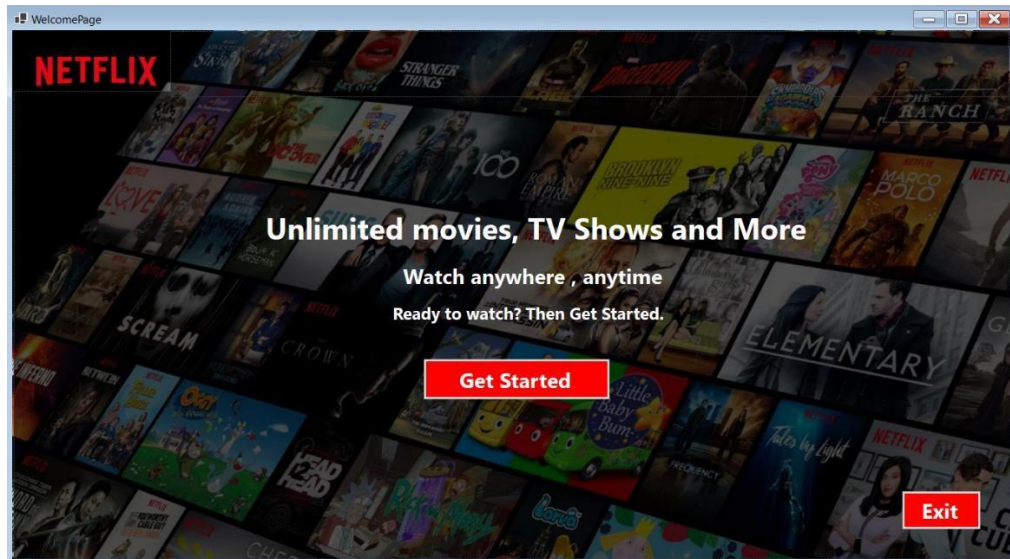
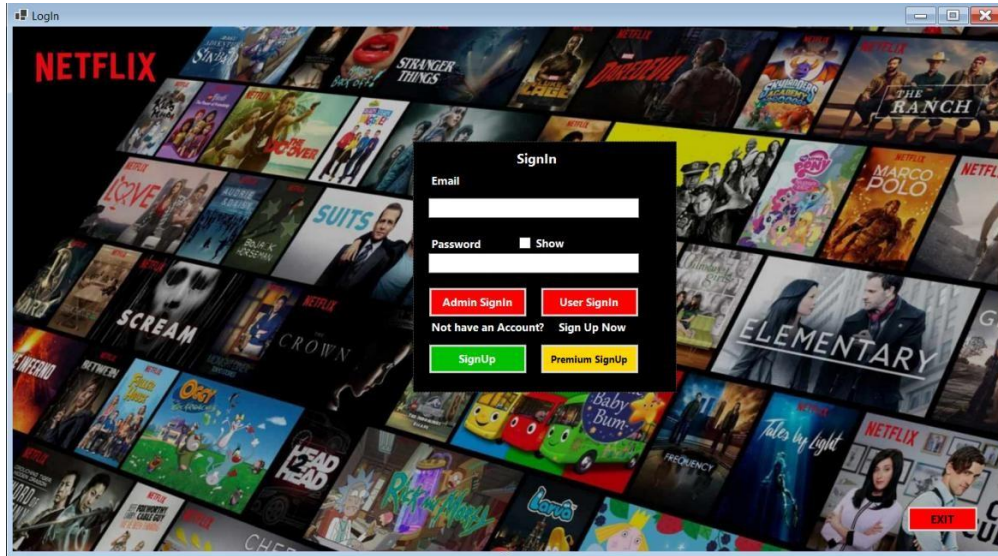


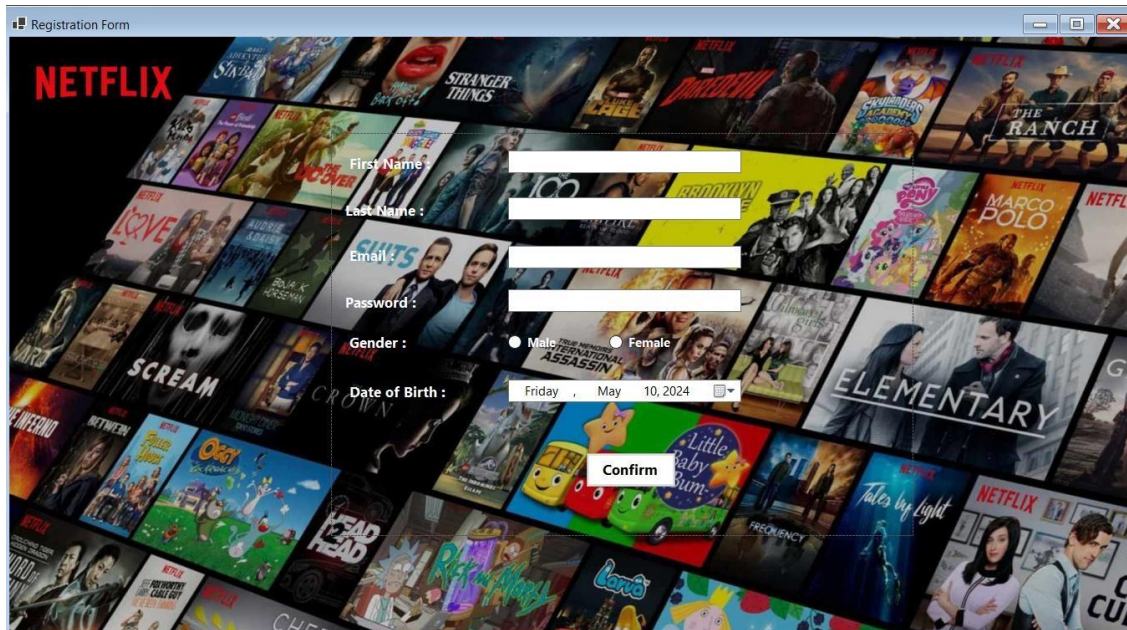
Fig: Starting Form

2.

A screenshot of the Netflix login interface. The background is a collage of various Netflix show and movie posters. In the center, there is a dark grey 'Sign In' modal box. It contains an 'Email' input field, a 'Password' input field with a 'Show' toggle, and four buttons: 'Admin Sign In' (red), 'User Sign In' (red), 'Not have an Account? Sign Up Now' (green), and 'Premium Sign Up' (yellow). An 'EXIT' button is located in the bottom right corner of the modal box.

**Fig: Login Form**

3.

A screenshot of the Netflix registration interface for a normal user. The background is the same collage of posters as the login form. A dark grey 'Registration Form' modal box is centered. It contains input fields for 'First Name', 'Last Name', 'Email', and 'Password'. Below the password field are radio buttons for 'Male' and 'Female'. There is a 'Date of Birth' field with a date picker showing 'Friday, May 10, 2024'. A 'Confirm' button is at the bottom of the form.

**Fig: Registration Form (Normal User)**

4.



PremiumSignUp

NETFLIX

First Name :

Second Name :

Email :

Password :

Gender : ☐ Male ☐ Female

Date of Birth : Friday , May 10, 2024

Credit Card :

PIN :

☐ 20\$ Per Month ☐ 200\$ Per Year

Confirm

**Fig: Registration Form (Premium User)**

5.

Admin\_Panel

First Name :

Last Name :

Email :

Password :

Date of Birth : Friday , May 10, 2024

Gender : ☐ Male ☐ Female

Search by Email :

Search

Insert Update Delete

Clear Return Exit

Premium

SerialNo	FirstName	LastName	Email	Password	DateOfBirth	Gender
1	Jane	Smith	jane.smith@exa...	39133djwed	8/20/1992	Female
2	Adam	Johnson	adam.johnson...	3913311dqlwed	3/10/1985	Male
3	Emily	Brown	emily.brown@e...	393djjddd	11/25/1988	Female
4	hamonta	mondal	hamonta42@g...	papia	6/3/2002	Male
7	Hamonta	Eka	hamonta420@g...	papia	6/13/2000	Male
6	ak	Shahed	ak12@gmail.com	123450	5/8/2024	Female
12	Shahed	Ali	shahed45@gm...	123450	5/9/2024	Female
9	Ak	pk	pk1020@gmail...	12345	2/12/1990	Male
*						

**Fig: Admin Panel (Normal User)**

6.

AdminPanelPremium

First Name :

Last Name :

Email :

Password :

Date of Birth Friday, May 10, 2024

Gender Male Female

Credit Card :

PIN :

Plan : 20\$/Month 200\$/Year

Search by Email

Search

Insert Update Delete

Clear Return Exit

SerialNo	FirstName	LastName	Email	Password	DateOfBirth	Gender	CreditCard
1	John	Doe	john.doe@exa...	password123	1/1/1990	Male	1234567890
2	Alice	Smith	alice.smith@ex...	secret123	5/15/1985	Female	9876543210
4	Emily	Davis	emily.davis@ex...	em123	3/20/1992	Female	3210987654
5	David	Wilson	david.wilson@e...	davpass	11/10/1980	Male	2345678901
6	Songlap	Kumara	kumar45@gmai...	12345	5/9/2024	Female	23623234

Fig: Admin Panel (Premium User)

7.

Home

Return

Exit

NETFLIX

Search :

HANUMAN

Stream

SALAAR

Stream

MAHARSHI

Stream

INCEPTION

Stream

INTERSTELLAR

Stream

KANTARA

Stream

KGF CHAPTER 1

Stream

KGF CHAPTER 2

Stream

777 charlie

Stream

Major

Stream

Fig: Streamin Form (Normal User)

8.

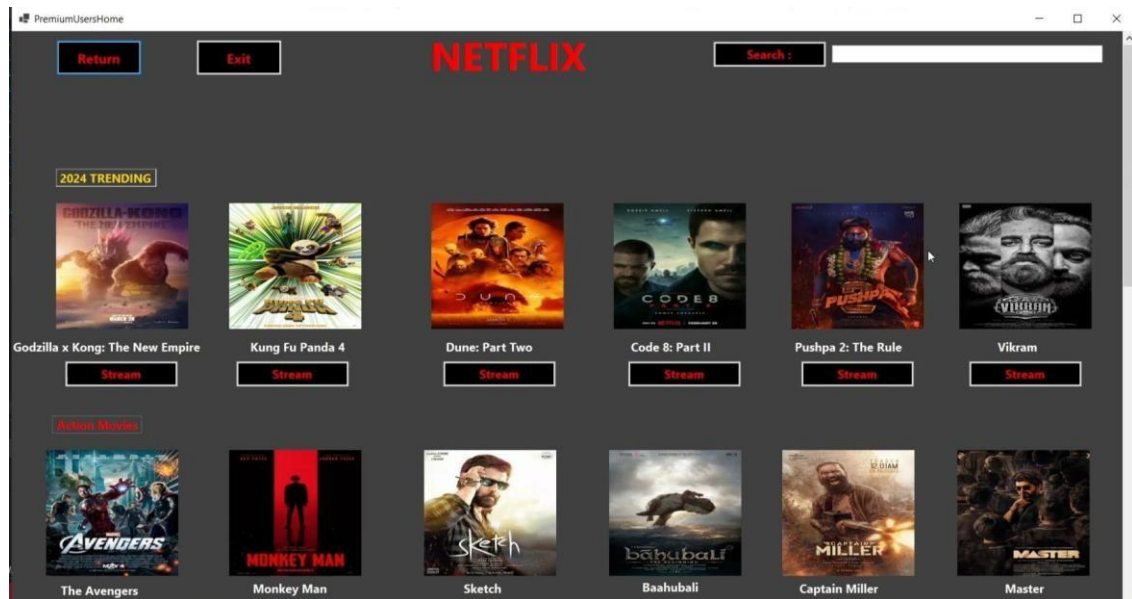


Fig: Streamin Form (Premium User)

9.

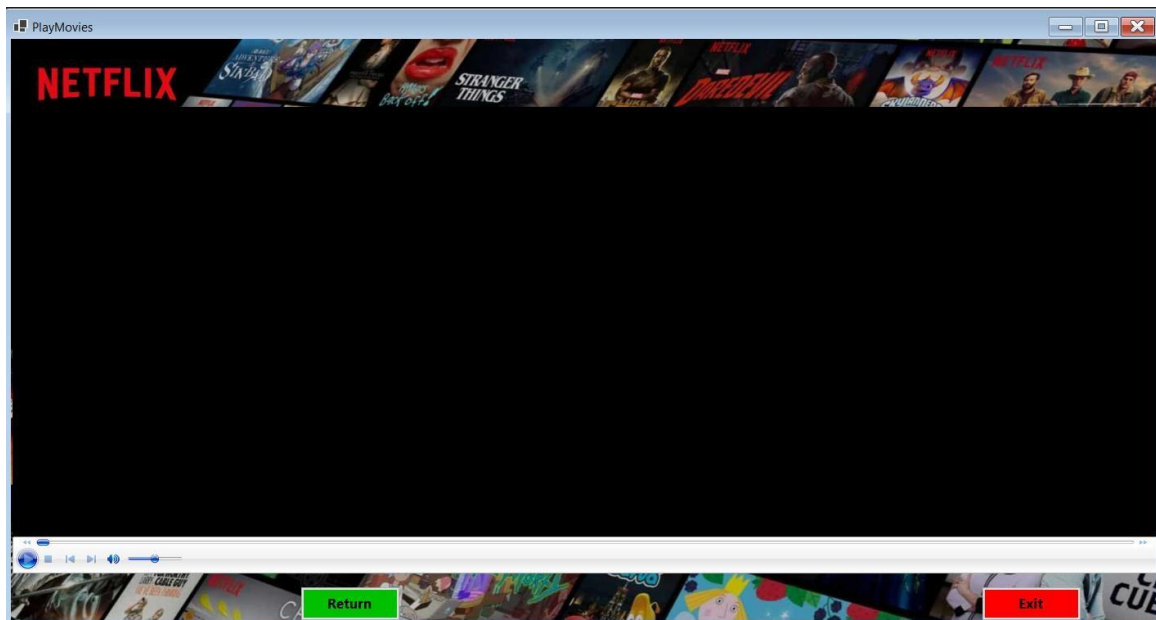


Fig: Movie Play Form