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I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

Acknowledgement

By the time we prepared this assignment, we had to take help from my respected module leader (Rabi Rouniyar) sir, as we would like to start by thanking him for providing the assignment and helping us with our difficulties regarding the assignment.

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Abstract

The purpose of system is to support the operations of Ropey DVDs which operates a chain of franchise DVD rental shops, specifical administration of the renting and returning of DVDs which will help in storing and displaying different data. It is error free and durable as well. The system is introduced in Ropey DVDs to make the record system easier by eliminating all the paper works and to record correct details. Also, the report contains brief detail about Detailed instruction to run the program, Concise description of logical solution to each of the implemented functions of the application, The software architecture, class and their purpose, Detailed description of the classes' properties and method. Various testing of the system is done and provided with the proper screenshot as evidence. The user manual guide is also discussed.

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2. Introduction

Technology in the 21st century is growing so high. Everything is modernized and technologically synchronised so the way of storing data in every company or institution or store has been changed. With the evolution of technology, information system has evolved to store data systematically and scientifically. This project will mainly be focused on supporting the operations of Ropey DVDs which operates a chain of franchise DVD rental shops, specifical administration of the renting and returning of DVDs which will help in storing and displaying different data.

Similarly, this system has various functions such as allowing the user to enter or select an actor's name and see the titles of all DVDs stocked by the shop for which the Actor is a CastMember, Allowing the user to enter or select a Copy by CopyNumber and find the details of the last loan for that, Allow the user to produce a list of all Members who have not borrowed any DVD in the last 31 days etc. Also, the report contains brief detail about Detailed instruction to run the program, Concise description of logical solution to each of the implemented functions of the application, The software architecture, class and their purpose, Detailed description of the classes' properties and method. Various testing of the system is done and provided with the proper screenshot as evidence. The user manual guide is also discussed. The scenario for the group work is based on a predefined scenario about Ropey DVDs.

3. User Manual

Here, we will learn about a detailed instruction about how we could run the program.

- To initiate, open the packages, RopeyDVD, and RopeyDVD.sln files in the RopeyDVD folder.

Name	Date modified	Type	Size
RopeyDVD	5/8/2022 11:55 PM	File folder	

Figure 1 System Folder

In the above figure first we need to open the RopeyDVD folder which would be present inside a Development folder.

- Open the RopeyDVD.sln file, which opens in Microsoft Visual Studio.

Name	Date modified	Type	Size
packages	5/8/2022 11:55 PM	File folder	
RopeyDVD	5/8/2022 11:55 PM	File folder	
RopeyDVD.sln	5/1/2022 2:15 PM	Visual Studio Solu...	2 KB

Figure 2 System all files and packages

- Open the login.aspx file, which displays the login page on the screen.

The screenshot shows the Microsoft Visual Studio interface. The Solution Explorer on the right lists files for a project named 'RopeyDVD'. The file 'Login.aspx.cs' is selected. A red circle highlights the file 'RopeyDvd.cs' in the list, with a red arrow pointing to it from a callout box labeled 'login file'.

```

<head>
    <link href="css" media="all" />

    'dvd.png" />

    ' runat="server" OnTextChanged="txtUserName_TextChanged"></asp:TextBox>

```

Figure 3 System Coding Dashboard

The above figure is a database, and the red circled one contains information about username and password for login.

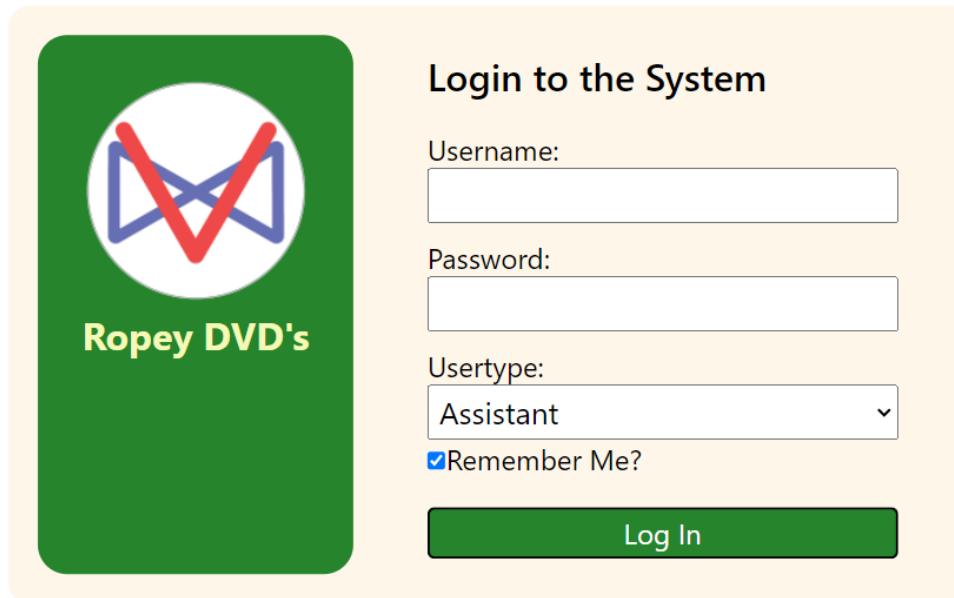


Figure 4 Login Page

The above figure is a login form, where a user would be taken to after running the system.

- The RopeyDVD dashboard shows when you've entered the information.

The screenshot shows a login interface for a system named "Ropey DVD's". The logo consists of a red and blue stylized letter "M" inside a circle. The login form includes fields for "Username" (Rakish), "Password" (represented by five dots), "Usertype" (Assistant), and a checked "Remember Me?" checkbox. A large green "Log In" button is at the bottom.

Username:	Rakish
Password:
Usertype:	Assistant
<input checked="" type="checkbox"/> Remember Me?	
Log In	

Figure 5 Inserting the data in login page

In the above figure you can see a User Rakish is logging to the system.

- In DVD titles, we might access details about the actors and their contributions in two segments.

User: Log out

Select the Actors' Lastname and see the titles of all DVDs Stocked by the Shop for which the Actor is a CastMember.

Actor's Last Name:

DvdTitle
Family man
Gangs of Wasseypur

Select Actors' last name and find their related movie title which are not on loan.

Actor's Last Name:

LastName	DvdTitle	CopyNumber	DateReturned
Bajpayee	Gangs of Wasseypur	CN03	1/20/2022 12:00:00 AM
Bajpayee	Family man	CN07	5/20/2022 12:00:00 AM

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Figure 6 Dashboard after login

In the above figure, you can see that two features asked in the CW is present there.

- the first of which displays movie details after choosing the actor's last name.

User: Log

Select the Actors' Lastname and see the titles of all DVDs Stocked by the Shop for which the Actor is a CastMember.

Actor's Last Name:

DvdTitle
Family man
Gangs of Wasseypur

Dropdown

Figure 7 Selecting actor last name to display DVD title

The screenshot shows a web page with a header "Log out". Below it is a message: "Select the Actors' Lastname and see the titles of all DVDs Stocked by the Shop for which the Actor is a CastMember." A dropdown menu labeled "Actor's Last Name" contains the value "kapoor". Below the dropdown, a table titled "DvdTitle" lists three movies: "Kabir Singh", "My Name is Khan", and "Padmavat".

Figure 8 Result after selecting

In the above figure, we can see that when a name in a dropdown box is selected a certain result is seen in DvdTitle table.

- The following part, we access data on the actor and the movie to choosing the actor's last name.

The screenshot shows a web page with a message: "Select Actors' last name and find their related movie title which are not on loan." A dropdown menu labeled "Actor's Last Name" has "Bajpayee" selected. Below the dropdown, a table has "Bajpayee" selected in the "LastName" column. The table columns are "LastName", "DvDTtitle", "CopyNumber", and "DateReturned". The rows show "Bajpayee" with "Gangs of Wasseypur" and "Family man" respectively, and "CopyNumber" values CN03 and CN07, and "DateReturned" values 1/20/2022 12:00:00 AM and 5/20/2022 12:00:00 AM.

Figure 9 Selecting actor last name to display info about DVD & renters

The screenshot shows a web page with a message: "Select Actors' last name and find their related movie title which are not on loan." A dropdown menu labeled "Actor's Last Name" has "kapoor" selected. Below the dropdown, a table has "kapoor" selected in the "LastName" column. The table columns are "LastName", "DvDTtitle", "CopyNumber", and "DateReturned". The rows show "kapoor" with "Padmavat" and "Kabir Singh" respectively, and "CopyNumber" values CN02 and CN05, and "DateReturned" values 1/1/2022 12:00:00 AM and 6/12/2022 12:00:00 AM.

Figure 10 Result after selecting

- The loaned movie and the individual who is leasing the movie by their last name in loaned Members.

User: Rakish Log out

Select a MemberLastName and view the title and copy number of a DVD that had been loaned in the last 31 days.

Member's Last Name: Dropdown

LastName	DvDTitle	CopyNumber
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01

Q.1&2 DVD Titles
Q.3 Loaned Members
Q.4 DVD Details
Q.5 Latest Loan
Q.6 Issue DVD
Q.7 Return DVD
Q.8 Members Details
Q.9 Add DVD
Q.10 Stock DVD
Q.11 Loan DVD
Q.12 Not Loan Members
Q.13 Unsold DVD
Q.14 Profile

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Figure 11 Loaned Members

In the above figure, we can see that, we can select a name in the dropdown box to see the functionality of feature 3.

User: Rakish Log out

Select a MemberLastName and view the title and copy number of a DVD that had been loaned in the last 31 days.

Member's Last Name: Dropdown

LastName	CopyNumber
Gurung	CN01
Gurung	CN01
Gurung	CN01

LastName	CopyNumber
Karki	CN01

Figure 12 Selecting with last name of member

User: Rakish Log out

Select a MemberLastName and view the title and copy number of a DVD that had been loaned in the last 31 days.

Member's Last Name:

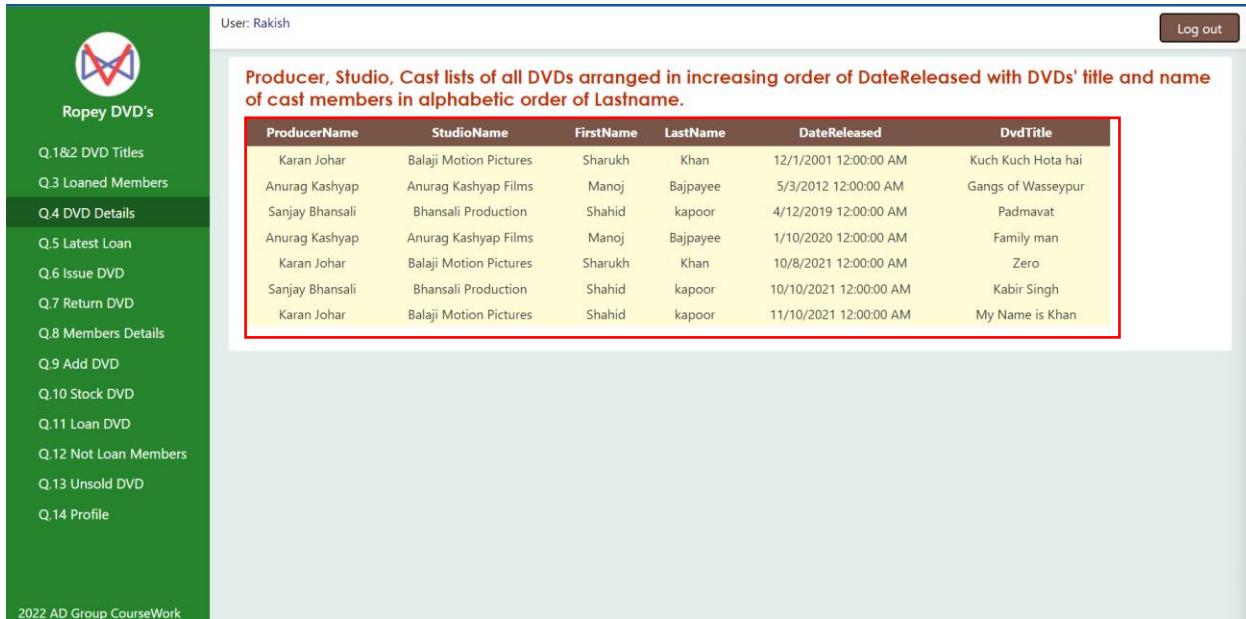
LastName	DvDTitle	CopyNumber
Karki	Kuch Kuch Hota hai	CN01

Result after selecting

Figure 13 Result after selecting with last name of member

In the above figure, we can see that the feature works.

- In DVD details, we might access details about the DVD which is shown in figure.



User: Rakish Log out

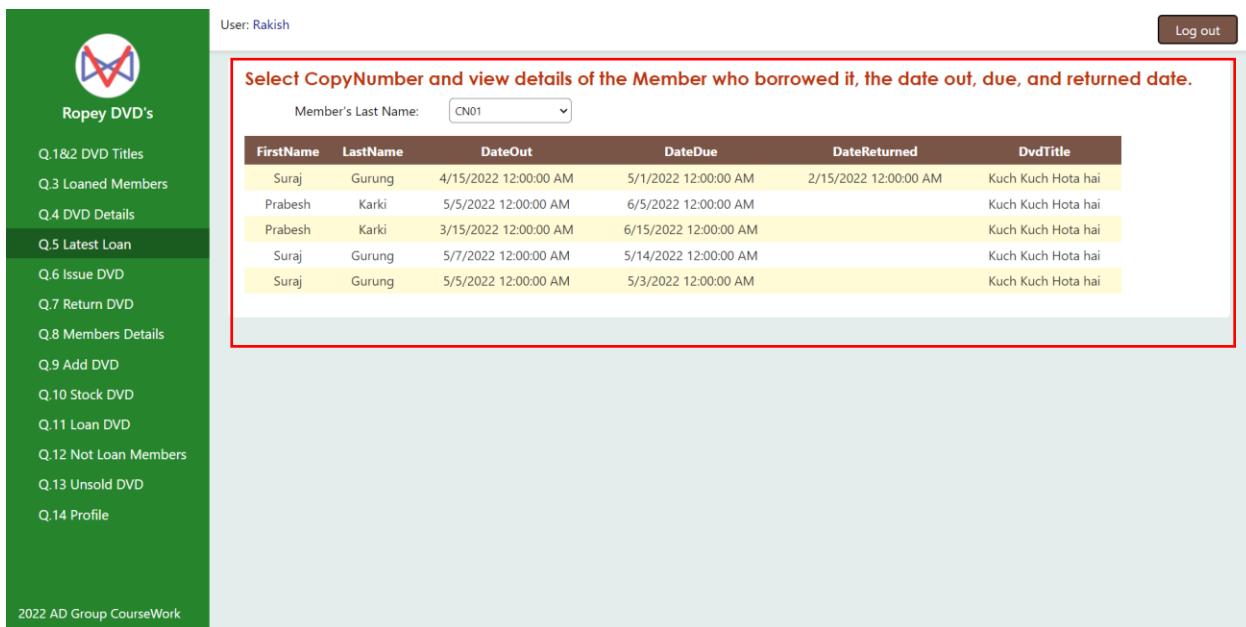
Producer, Studio, Cast lists of all DVDs arranged in increasing order of DateReleased with DVDs' title and name of cast members in alphabetic order of Lastname.

ProducerName	StudioName	FirstName	LastName	DateReleased	DvdTitle
Karan Johar	Balaji Motion Pictures	Sharukh	Khan	12/1/2001 12:00:00 AM	Kuch Kuch Hota hai
Anurag Kashyap	Anurag Kashyap Films	Manoj	Bajpayee	5/3/2012 12:00:00 AM	Gangs of Wasseypur
Sanjay Bhansali	Bhansali Production	Shahid	kapoор	4/12/2019 12:00:00 AM	Padmavat
Anurag Kashyap	Anurag Kashyap Films	Manoj	Bajpayee	1/10/2020 12:00:00 AM	Family man
Karan Johar	Balaji Motion Pictures	Sharukh	Khan	10/8/2021 12:00:00 AM	Zero
Sanjay Bhansali	Bhansali Production	Shahid	kapoор	10/10/2021 12:00:00 AM	Kabir Singh
Karan Johar	Balaji Motion Pictures	Shahid	kapoор	11/10/2021 12:00:00 AM	My Name is Khan

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Figure 14 DVD details

- We may obtain the data of the most recent renting movie as well as the renters details in Latest Loan.



User: Rakish Log out

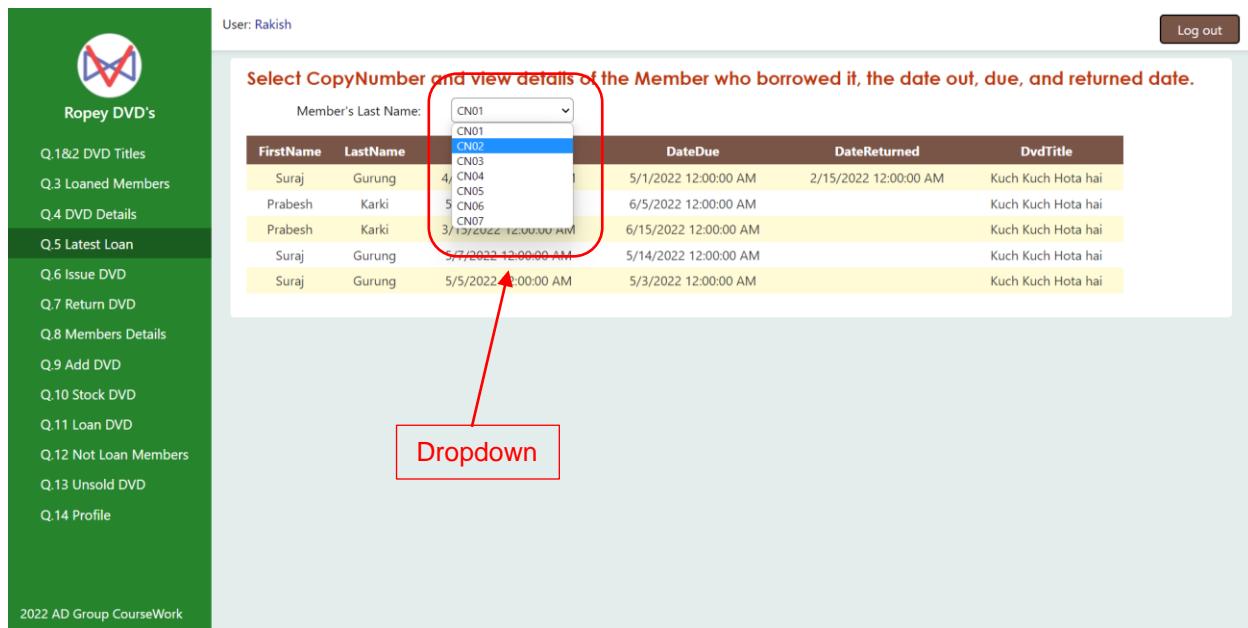
Select CopyNumber and view details of the Member who borrowed it, the date out, due, and returned date.

Member's Last Name:

FirstName	LastName	DateOut	DateDue	DateReturned	DvdTitle
Suraj	Gurung	4/15/2022 12:00:00 AM	5/1/2022 12:00:00 AM	2/15/2022 12:00:00 AM	Kuch Kuch Hota hai
Prabesh	Karki	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM		Kuch Kuch Hota hai
Prabesh	Karki	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM		Kuch Kuch Hota hai
Suraj	Gurung	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM		Kuch Kuch Hota hai
Suraj	Gurung	5/5/2022 12:00:00 AM	5/3/2022 12:00:00 AM		Kuch Kuch Hota hai

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Figure 15 Latest Loan



User: Rakish Log out

Select CopyNumber and view details of the Member who borrowed it, the date out, due, and returned date.

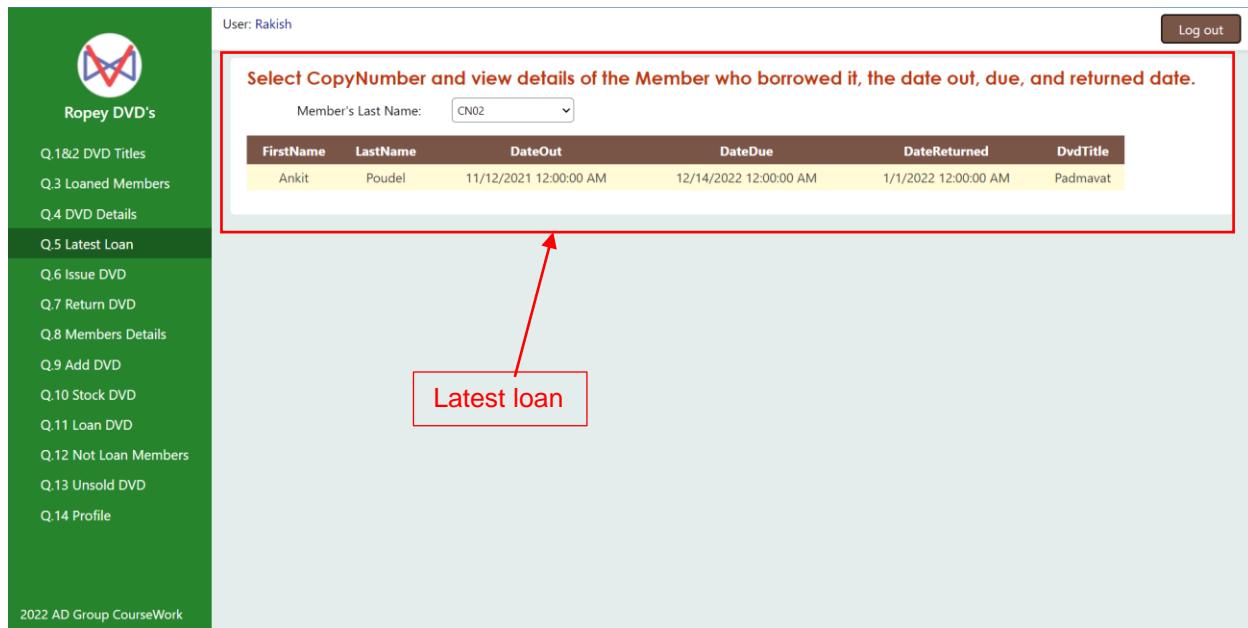
Member's Last Name:	CN01
FirstName	LastName
Suraj	Gurung
Prabesh	Karki
Prabesh	Karki
Suraj	Gurung
Suraj	Gurung

FirstName	LastName	DateOut	DateDue	DateReturned	DvdTitle
Suraj	Gurung	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM	5/15/2022 12:00:00 AM	Kuch Kuch Hota hai
Suraj	Gurung	5/5/2022 12:00:00 AM	5/14/2022 12:00:00 AM	5/15/2022 12:00:00 AM	Kuch Kuch Hota hai
Suraj	Gurung	5/5/2022 12:00:00 AM	5/14/2022 12:00:00 AM	5/15/2022 12:00:00 AM	Kuch Kuch Hota hai
Suraj	Gurung	5/5/2022 12:00:00 AM	5/14/2022 12:00:00 AM	5/15/2022 12:00:00 AM	Kuch Kuch Hota hai

Dropdown

Figure 16 Selecting last name of member

In the above figure, the functionality of feature 5 is workable when user selects a copy number from the dropdown list.



User: Rakish Log out

Select CopyNumber and view details of the Member who borrowed it, the date out, due, and returned date.

Member's Last Name:	CN02
FirstName	LastName
Ankit	Poudel

FirstName	LastName	DateOut	DateDue	DateReturned	DvdTitle
Ankit	Poudel	11/12/2021 12:00:00 AM	12/14/2022 12:00:00 AM	1/1/2022 12:00:00 AM	Padmavat

Latest loan

Figure 17 Result after selecting

- we may integrate and have information on the issued DVD that is leased by renters in the issued DVD.

User: Rakish

Issue DVD Copy

Loan Number:	L01	Date Out:	Monday, May 9, 2022
Loan Number Type:	CN01	Date Due:	Monday, May 16, 2022
Copy Number:	GS1	Loan Duration:	7 Days
Member Number:	24	Charge Rs. 250 Per day.	Total Charge: Rs. 1750
Member Age:		Age Restriction:	False

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	4/15/2022 12:00:00 AM	5/1/2022 12:00:00 AM
LN02	L02	CN02	PA2	11/12/2021 12:00:00 AM	12/14/2022 12:00:00 AM
LN03	L03	CN03	SP3	12/12/2021 12:00:00 AM	1/12/2022 12:00:00 AM
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM
LN06	L02	CN05	NP5	5/1/2022 12:00:00 AM	6/2/2022 12:00:00 AM
LN07	L03	CN07	RM4	4/2/2022 12:00:00 AM	5/15/2022 12:00:00 AM
LN08	L01	CN04	SB7	5/2/2022 12:00:00 AM	6/3/2022 12:00:00 AM
LN10	L01	CN05	GS1	3/15/2020 12:00:00 AM	4/15/2020 12:00:00 AM
LN11	L02	CN01	KP6	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM

Figure 18 Issued DVD

User: Rakish

Issue DVD Copy

Loan Number:	LN15	Date Out:	Monday, May 9, 2022
Loan Number Type:	L03	Date Due:	Monday, September 5, 2022
Copy Number:	CN07	Loan Duration:	120 Days
Member Number:	GS1	Charge Rs. 250 Per day.	Total Charge: Rs. 30000
Member Age:	24	Age Restriction:	False

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	4/15/2022 12:00:00 AM	5/1/2022 12:00:00 AM
LN02	L02	CN02	PA2	11/12/2021 12:00:00 AM	12/14/2022 12:00:00 AM
LN03	L03	CN03	SP3	12/12/2021 12:00:00 AM	1/12/2022 12:00:00 AM
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM
LN06	L02	CN05	NP5	5/1/2022 12:00:00 AM	6/2/2022 12:00:00 AM
LN07	L03	CN07	RM4	4/2/2022 12:00:00 AM	5/15/2022 12:00:00 AM
LN08	L01	CN04	SB7	5/2/2022 12:00:00 AM	6/3/2022 12:00:00 AM
LN10	L01	CN05	GS1	3/15/2020 12:00:00 AM	4/15/2020 12:00:00 AM
LN11	L02	CN01	KP6	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM

Figure 19 Integrating the details of DVD

In the above figure we can see that, we can issue DVD to a particular member by recording above details.

- After successfully integrating the data from the issue DVD, a message was displayed to indicate if the data had been successfully integrated.

Ropey DVD's

Copy Number: CN01

Member Number: GS1

Member Age: 24

Submit Dvd Issued Successfully

5/8/2022

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	4/15/2022 12:00:00 AM	5/1/2022 12:00:00 AM
LN02	L02	CN02	PA2	11/12/2021 12:00:00 AM	12/14/2022 12:00:00 AM
LN03	L03	CN03	SP3	12/12/2021 12:00:00 AM	1/12/2022 12:00:00 AM
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM
LN06	L02	CN05	NP5	5/1/2022 12:00:00 AM	6/2/2022 12:00:00 AM
LN07	L03	CN07	RM4	4/2/2022 12:00:00 AM	5/15/2022 12:00:00 AM
LN08	L01	CN04	SB7	5/2/2022 12:00:00 AM	6/3/2022 12:00:00 AM
LN10	L01	CN05	GS1	3/15/2020 12:00:00 AM	4/15/2020 12:00:00 AM
LN11	L02	CN01	KP6	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM
LN12	L01	CN01	GS1	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM
LN13	L01	CN01	GS1	5/5/2022 12:00:00 AM	5/3/2022 12:00:00 AM
LN14	L03	CN03	PA2	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM
LN15	L03	CN07	GS1	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM

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Figure 20 Result after Intergating the DVD details

Result after inserting

- This button choose the return DVD by hitting the choose button, which will enter the data in the down textfield.

User: Rakish Log out

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM		Select
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM		Select
LN10	L01	CN05	GS1	3/15/2020 12:00:00 AM	4/15/2020 12:00:00 AM		Select
LN11	L02	CN01	KP6	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM		Select
LN12	L01	CN01	GS1	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM		Select
LN13	L01	CN01	GS1	5/5/2022 12:00:00 AM	5/3/2022 12:00:00 AM		Select
LN14	L03	CN03	PA2	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM		Select
LN15	L03	CN07	GS1	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM		Select

Return DVD Copy

Loan Number: Date Duration: Days

Date Due: Penalty Charge: Rs.

Date Return: Monday, May 9, 2022 Total Penalty Charge: Rs.

Update Loan

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Figure 21 Return DVD

User: Rakish Log out

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM		Select
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM		Select
LN10	L01	CN05	GS1	3/15/2020 12:00:00 AM	4/15/2020 12:00:00 AM		Select
LN11	L02	CN01	KP6	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM		Select
LN12	L01	CN01	GS1	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM		Select
LN13	L01	CN01	GS1	5/5/2022 12:00:00 AM	5/3/2022 12:00:00 AM		Select
LN14	L03	CN03	PA2	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM		Select
LN15	L03	CN07	GS1	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM		Select

Return DVD Copy

Loan Number: Date Duration: Days

Date Due: Penalty Charge: Rs. 0

Date Return: Monday, May 9, 2022 Total Penalty Charge: Rs. 0

Update Loan

Return DVD copy from. Select btn

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Figure 22 Selecting Issued DVD

- we can erase it by pushing the update loan button with message.

User: Rakish Log out

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM		Select
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM		Select
LN10	L01	CN05	GS1	3/15/2020 12:00:00 AM	4/15/2020 12:00:00 AM		Select
LN11	L02	CN01	KP6	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM		Select
LN12	L01	CN01	GS1	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM		Select
LN13	L01	CN01	GS1	5/5/2022 12:00:00 AM	5/3/2022 12:00:00 AM		Select
LN14	L03	CN03	PA2	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM		Select

Return DVD Copy

Loan Number: Date Duration: **0 Days**

Date Due: Penalty Charge: **Rs. 0**

Date Return: **Monday, May 9, 2022** Total Penalty Charge: **Rs. 0**

Update Loan loan Updated

Success Message

Figure 23 Result after selecting and updating it

- We may get information about which is in the system in Members Details.

User: Rakish Log out

Members with current Loan Details

Member Number	First Name	Last Name	Address	Date of Birth	Member Category Number	Total Allowed Loan	Number of Loan	Status
GS1	Suraj	Gurung	Biratnagar	11/2/1998 12:00:00 AM	M1	600	5	--Not Exceed-
KP6	Prabesh	Karki	Damak	12/12/2000 12:00:00 AM	M2	1000	2	--Not Exceed-
NP5	Peroj	Nepal	Uralbari	8/21/2007 12:00:00 AM	M1	600	1	--Not Exceed-
PA2	Ankit	Poudel	Biratnagar	2/2/2000 12:00:00 AM	M2	1000	2	--Not Exceed-
PR8	Rupesh	Poudel	Pathari	12/22/2000 12:00:00 AM	M1	600	1	--Not Exceed-
RM4	Manoj	Rai	Tarara	6/2/2002 12:00:00 AM	M2	1000	1	--Not Exceed-
SB7	Bikki	Shah	Damak	12/12/1998 12:00:00 AM	M3	1400	1	--Not Exceed-
SP3	Paul	Sherpa	Damak	9/21/2008 12:00:00 AM	M3	1400	1	--Not Exceed-

Members with no current Loan Details

Success Message

Figure 24 Members Details

We may update new movies under Add DVD, which is divided into six segments where we can input new movie data based on movie category, actor, producer, studio, and cast member.

User: Rakish Log out

Category Details

Category Number:	<input type="text"/>	
Category Description:	<input type="text"/>	
Age Restricted:	<input checked="" type="radio"/> True	<input type="radio"/> False
Add Category		
Category Number	Category Description	Age Restricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True

Actor Details

Actor Number:	<input type="text"/>	
First Name:	<input type="text"/>	
Last Name:	<input type="text"/>	
Add Actor		
Actor Number	First Name	Last Name
MB01	Manoj	Bajpayee
SH03	Shahid	Kapoor
SK02	Sharukh	Khan

Producer Details

Producer Number:	<input type="text"/>	
Producer Name:	<input type="text"/>	
Add Producer		
Loan Number	Loan Type Number	
AN01	Anurag Kashyap	
asdf	asdf	

Studio Details

Studio Number:	<input type="text"/>	
Studio Name:	<input type="text"/>	
Add Studio		
Studio Number	Studio Name	
AK01	Anurag Kashyap Films	
Bhan	AK02	

Cast Members

DVD Number:	F07
Actor Number:	MB01
Add Cast Member	
DVD Number	Actor Number
F07	MB01

Figure 25 Add DVD 1

User: Rakish Log out

DVD Title Details

DVD Number:	<input type="text"/>						
Studio Number:	AK01	Date Released:					
Producer Number:	AN01	Day: <input type="text"/> Month: <input type="text"/> Year: <input type="text"/>					
DVD Title:	<input type="text"/>						
Add DVD							
DVD Number	Studio Number	Producer Number	DVD Title	Date Released	Standard Charge Per Day	Penalty Charge Per Day	Category Number
F07	AK01	AN01	Family man	1/10/2020 12:00:00 AM	250	50	CAN02
G03	AK01	AN01	Gangs of Wasseypur	5/3/2012 12:00:00 AM	250	40	CAN01
K01	BM02	KA02	Kuch Kuch Hota hai	12/1/2001 12:00:00 AM	250	40	CAN03
K05	BP03	SA03	Kabir Singh	10/10/2021 12:00:00 AM	400	50	CAN01
M06	BM02	KA02	My Name is Khan	11/10/2021 12:00:00 AM	350	50	CAN02
P02	BP03	SA03	Padmavat	4/12/2019 12:00:00 AM	300	50	CAN02
Z04	BM02	KA02	Zero	10/8/2021 12:00:00 AM	300	50	CAN02

Figure 26 Add DVD 2

Category Details

Category Number: CAN05

Category Description: E

Age Restricted: True False

Add Category

Category Number	Category Description	Age Resctricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True

Figure 27 Inserting the category data

Category Details

Category Number:

Category Description:

Age Restricted:

True False

Add Category

Added Successfully

Category Number	Category Description	Age Resctricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True
CAN05	E	True

Figure 28 Result after Inserting

Actor Details

Actor Number:

AK01

First Name:

Akshya

Last Name:

Kumar

Add Actor

Actor Number	First Name	Last Name
MB01	Manoj	Bajpayee
SH03	Shahid	kapoor
SK02	Sharukh	Khan

Figure 29 Inserting Actor details

Actor Details

Actor Number:

First Name:

Last Name:

Add Actor

Added Successfully

Actor Number	First Name	Last Name
AK01	Akshya	Kumar
MB01	Manoj	Bajpayee
SH03	Shahid	kapoor
SK02	Sharukh	Khan

Figure 30 Result after Inserting details of actor

Studio Details

Studio Number:

ST69

Studio Name

Studio Tarahara

Add Studio

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production

Figure 31 Inserting Studio details

Studio Details

Studio Number:

Studio Name

Add Studio

Added Successfully

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production
ST69	Studio Tarahara

Figure 32 Result after inserting studio details

Cast Members

DVD Number:

Actor Number:

Add Cast Member

DVD Number	Actor Number
F07	MB01
G03	MB01
K01	SK02
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

Figure 33 Inserting cast members details

Cast Members

DVD Number:

F07 ▾

Actor Number:

MB01 ▾

Add Cast Member

Added Successfully

DVD Number	Actor Number
F07	MB01
G03	MB01
K01	SK02
K05	SH03
M06	SH03
M06	SK02
P02	SH03
Z04	SK02

Figure 34 Result after inserting the cast members details

DVD Title Details

DVD Number:	PH69	Date Released:	Day: 21 Month: Jan Year: 2018
Studio Number:	BP03	Standard Charge:	250 Per Day
Producer Number:	KA02	Penalty Charge:	25 Per Day
DVD Title:	Home Alone	Category Number:	CAN04

Add DVD

DVD Number	Studio Number	Producer Number	DVD Title	Date Released	Standard Charge Per Day	Penalty Charge Per Day	Category Number
F07	AK01	AN01	Family man	1/10/2020 12:00:00 AM	250	50	CAN02
G03	AK01	AN01	Gangs of Wasseypur	5/3/2012 12:00:00 AM	250	40	CAN01
K01	BM02	KA02	Kuch Kuch Hota hai	12/1/2001 12:00:00 AM	250	40	CAN03
K05	BP03	SA03	Kabir Singh	10/10/2021 12:00:00 AM	400	50	CAN01
M06	BM02	KA02	My Name is Khan	11/10/2021 12:00:00 AM	350	50	CAN02
P02	BP03	SA03	Padmavat	4/12/2019 12:00:00 AM	300	50	CAN02
Z04	BM02	KA02	Zero	10/8/2021 12:00:00 AM	300	50	CAN02

Figure 35 Inserting DVD details

- Data about old movie copies that have been in stock for more than a year
in Stock DVD

User: Rakish Log out

DVD Copies in stock for more than a Year

Copy Number	DVD Number	Purchased Date
CN02	P02	4/13/2021 12:00:00 AM
CN04	Z04	5/5/2020 12:00:00 AM
CN06	Z04	11/13/2019 12:00:00 AM
CN07	F07	5/8/2020 12:00:00 AM

Remove Stock DVD

Figure 36 Stock DVD

- DVD copies that are now on loan in Loan DVD and sort them by title and DateOut, as well as check the DVD information.

User: Rakish Log out

DVD Copies Currently on Loan

Total Loans: 7

CopyNumber	FirstName	LastName	DvdTitle	DateOut
CN03	Rupesh	Poudel	Gangs of Wasseypur	4/25/2022 12:00:00 AM
CN01	Prabesh	Karki	Kuch Kuch Hota hai	5/5/2022 12:00:00 AM
CN05	Suraj	Gurung	Kabir Singh	3/15/2020 12:00:00 AM
CN01	Prabesh	Karki	Kuch Kuch Hota hai	3/15/2022 12:00:00 AM
CN01	Suraj	Gurung	Kuch Kuch Hota hai	5/7/2022 12:00:00 AM
CN01	Suraj	Gurung	Kuch Kuch Hota hai	5/5/2022 12:00:00 AM
CN03	Ankit	Poudel	Gangs of Wasseypur	5/8/2022 12:00:00 AM

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Figure 37 Loan DVD

- Details of members who have not borrowed a DVD in the previous 31 days in Member Details.

User: Rakish Log out

Members Details who have not borrowed any DVD in the last 31 days

Member Number	First Name	Last Name	Address	Date Out	DVD Title	Number of days since the last loan
SP3	Paul	Sherpa	Damak	12/12/2021 12:00:00 AM	Gangs of Wasseypur	148
RM4	Manoj	Rai	Tarara	4/2/2022 12:00:00 AM	Family man	37

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Figure 38 Not Loan Members

- Unsold DVD details in the last 31 days in Unsold DVD.

The screenshot shows a web-based application interface for managing a DVD library. On the left, there is a sidebar with a logo and a list of menu items. The main area displays a table of unsold DVD titles from the last 31 days.

Sidebar (Left):

- Ropey DVD's
- Q.1&2 DVD Titles
- Q.3 Loaned Members
- Q.4 DVD Details
- Q.5 Latest Loan
- Q.6 Issue DVD
- Q.7 Return DVD
- Q.8 Members Details
- Q.9 Add DVD
- Q.10 Stock DVD
- Q.11 Loan DVD
- Q.12 Not Loan Members
- Q.13 Unsold DVD** (highlighted in green)
- Q.14 Profile

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Main Area (Right):

User: Rakish Log out

Unsold DVD Titles in Last 31 Days

Display No loan last 31 days dvds

DvdTitle	DateOut
Padmavat	11/12/2021 12:00:00 AM
Gangs of Wasseypur	12/12/2021 12:00:00 AM
Family man	4/2/2022 12:00:00 AM
Kabir Singh	3/15/2020 12:00:00 AM
Kuch Kuch Hota hai	3/15/2022 12:00:00 AM

Figure 39 Unsold DVD

- Modify the password on our profile by typing it into the provided textfields.

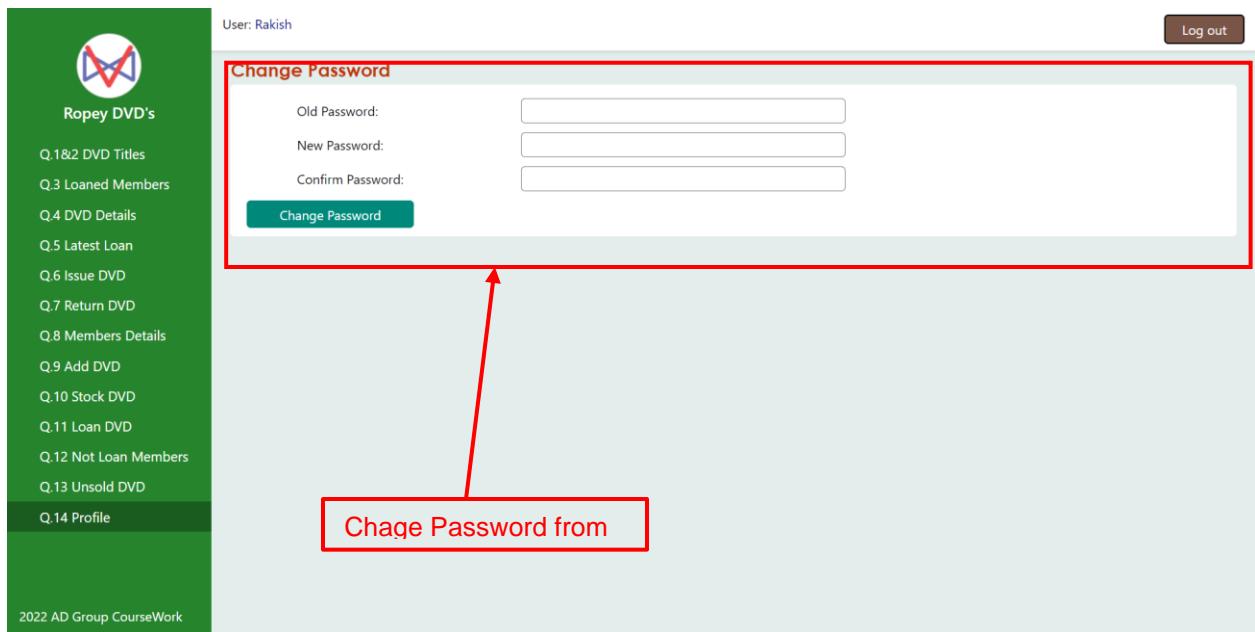
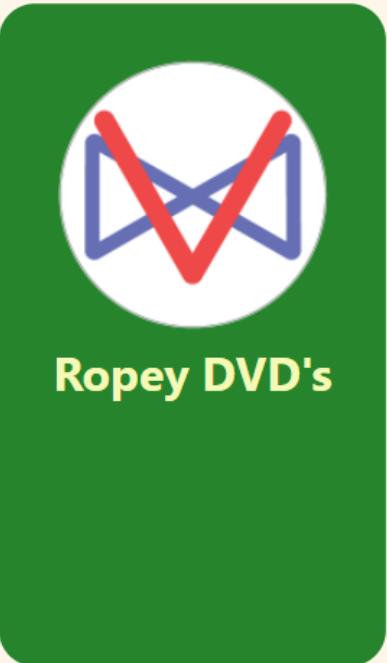


Figure 40 Profile

- Finally, by tapping the logout button and displaying the login screen, we may logout and shut off the entire system.



Figure 41 Logout



>Login to the System

Username:

Password:

Usertype:

Remember Me?

Log In

Figure 42 Page after logout

- One more access for the Manager user type than the Assistant user type.

Login to the System

Username:

Password:

User type:

Remember Me?

Log In

Figure 43 Integrating the Manager data

- The manager can create, edit, and remove user data.

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

User Number:	User Type:			
<input type="text"/>	<input type="text"/>			
<input type="text"/>	<input type="text"/>			
Add	Update	Delete		
UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	manoj	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select

Figure 44 Profile for Manager

4. Description of the Logical Solution

Table 1 DVD Titles tables

Involved forms: DVD titles	
Privileges for:	Assistant & Manager
Description:	This displays all the actor contribute and details about DVD.

Figure 45 DVD titles

Table 2 Loaned Members tables

Involved forms: Loaned Members	
Privileges for:	Assistant & Manager
Description:	This displays the title & copy number of a DVD that had been loaned in the last 31 days.

User: Rakish Log out

Select a MemberLastName and view the title and copy number of a DVD that had been loaned in the last 31 days.

Member's Last Name:	Gurung	
LastName	DvdTitle	CopyNumber
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Family man	CN07

Figure 46 Loaned Members

Table 3 DVD details tables

Involved forms: DVD details	
Privileges for:	Assistant & Manager
Description:	This displays Producer, Studio, and Cast listings for all DVDs are ordered in ascending order of DateReleased, with DVD titles and cast member names alphabetically by Lastname.

User: Rakish Log out

Producer, Studio, Cast lists of all DVDs arranged in increasing order of DateReleased with DVDs' title and name of cast members in alphabetic order of Lastname.

ProducerName	StudioName	FirstName	LastName	DateReleased	DvdTitle
Karan Johar	Balaji Motion Pictures	Sharukh	Khan	12/1/2001 12:00:00 AM	Kuch Kuch Hota hai
Anurag Kashyap	Anurag Kashyap Films	Manoj	Bajpayee	5/3/2012 12:00:00 AM	Gangs of Wasseypur
Sanjay Bhansali	Bhansali Production	Shahid	kapoor	4/12/2019 12:00:00 AM	Padmavat
Anurag Kashyap	Anurag Kashyap Films	Manoj	Bajpayee	1/10/2020 12:00:00 AM	Family man
Karan Johar	Balaji Motion Pictures	Sharukh	Khan	10/8/2021 12:00:00 AM	Zero
Sanjay Bhansali	Bhansali Production	Shahid	kapoor	10/10/2021 12:00:00 AM	Kabir Singh
Karan Johar	Balaji Motion Pictures	Sharukh	Khan	11/10/2021 12:00:00 AM	My Name is Khan
Karan Johar	Balaji Motion Pictures	Shahid	kapoor	11/10/2021 12:00:00 AM	My Name is Khan

Figure 47 DVD details

Table 4 Latest DVD tables

Involved forms: Latest DVD	
Privileges for:	Assistant & Manager
Description:	By choosing a member's last name, this provides information on the person who borrowed it, as well as the date it was borrowed, due, and returned.

User: Rakish Log out

Select CopyNumber and view details of the Member who borrowed it, the date out, due, and returned date.

Member's Last Name:

FirstName	LastName	DateOut	DateDue	DateReturned	DvdTitle
Suraj	Gurung	4/15/2022 12:00:00 AM	5/1/2022 12:00:00 AM	2/15/2022 12:00:00 AM	Kuch Kuch Hota hai
Prabesh	Karki	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM		Kuch Kuch Hota hai
Prabesh	Karki	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM		Kuch Kuch Hota hai
Suraj	Gurung	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM		Kuch Kuch Hota hai
Suraj	Gurung	5/5/2022 12:00:00 AM	5/3/2022 12:00:00 AM		Kuch Kuch Hota hai

Figure 48 Latest DVD

Table 5 Return DVD tables

Involved forms: Return DVD	
Privileges for:	Assistant & Manager
Description:	By selecting the choose button, the issued DVD Copy Details and returned date are displayed.

User: Rakish Log out

Issued DVD Copy Details							
Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM		<button>Select</button>
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM		<button>Select</button>
LN10	L01	CN05	GS1	3/15/2022 12:00:00 AM	4/15/2022 12:00:00 AM		<button>Select</button>
LN11	L02	CN01	KP6	3/15/2022 12:00:00 AM	6/15/2022 12:00:00 AM		<button>Select</button>
LN12	L01	CN01	GS1	5/7/2022 12:00:00 AM	5/14/2022 12:00:00 AM		<button>Select</button>
LN13	L01	CN01	GS1	5/5/2022 12:00:00 AM	5/3/2022 12:00:00 AM		<button>Select</button>
LN14	L03	CN03	PA2	5/8/2022 12:00:00 AM	9/5/2022 12:00:00 AM		<button>Select</button>

Return DVD Copy

Loan Number:	<input type="text"/>	Date Duration:	Days
Date Due:	<input type="text"/>	Penalty Charge:	Rs.
Date Return:	Monday, May 9, 2022	Total Penalty Charge:	Rs.

Update Loan

Figure 49 Return DVD

Table 6 Issue loan table

Involved forms: Issue DVD	
Privileges for:	Assistant & Manager
Description:	This shows a form for integrating the issued DVD Copy Details, which is given in table form below.

User: Rakish Log out

Issue DVD Copy					
Loan Number:	<input type="text"/>	Date Out:	Monday, May 9, 2022		
Loan Number Type:	<input type="text" value="L01"/>	Date Due:	Monday, May 16, 2022		
Copy Number:	<input type="text" value="CN01"/>	Loan Duration:	7 Days		
Member Number:	<input type="text" value="GS1"/>	Charge Rs. 250 Per day.	Total Charge: Rs. 1750		
Member Age:	<input type="text" value="24"/>	Age Restriction:	False		
Issued DVD Copy Details					
Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	4/15/2022 12:00:00 AM	5/1/2022 12:00:00 AM
LN02	L02	CN02	PA2	11/12/2021 12:00:00 AM	12/14/2022 12:00:00 AM
LN03	L03	CN03	SP3	12/12/2021 12:00:00 AM	1/12/2022 12:00:00 AM
LN04	L01	CN03	PR8	4/25/2022 12:00:00 AM	5/25/2022 12:00:00 AM
LN05	L02	CN01	KP6	5/5/2022 12:00:00 AM	6/5/2022 12:00:00 AM
LN06	L02	CN05	NP5	5/1/2022 12:00:00 AM	6/2/2022 12:00:00 AM
LN07	L03	CN07	RM4	4/2/2022 12:00:00 AM	5/15/2022 12:00:00 AM
LN08	L01	CN04	S87	5/2/2022 12:00:00 AM	6/3/2022 12:00:00 AM
LN10	L01	CN05	GS1	3/15/2020 12:00:00 AM	4/15/2020 12:00:00 AM

Figure 50 Issue DVD

Table 7 Members details tables

Involved forms: Members Details	
Privileges for:	Assistant & Manager
Description:	This display the details of members with current loan.

User: Rakish

Log out

Members with current Loan Details

Member Number	First Name	Last Name	Address	Date of Birth	Member Category Number	Total Allowed Loan	Number of Loan	Status
GS1	Suraj	Gurung	Biratnagar	11/2/1998 12:00:00 AM	M1	600	5	--Not Exceed--
KP6	Prabesh	Karki	Damak	12/12/2000 12:00:00 AM	M2	1000	2	--Not Exceed--
NPS	Peroj	Nepal	Urlabari	8/21/2007 12:00:00 AM	M1	600	1	--Not Exceed--
PA2	Ankit	Poudel	Biratnagar	2/2/2000 12:00:00 AM	M2	1000	2	--Not Exceed--
PR8	Rupesh	Poudel	Pathari	12/22/2000 12:00:00 AM	M1	600	1	--Not Exceed--
RM4	Manoj	Rai	Tarara	6/2/2002 12:00:00 AM	M2	1000	1	--Not Exceed--
SB7	Bikki	Shah	Damak	12/12/1998 12:00:00 AM	M3	1400	1	--Not Exceed--
SP3	Paul	Sherpa	Damak	9/21/2008 12:00:00 AM	M3	1400	1	--Not Exceed--

Members with no current Loan Details

Ropey DVD's

Q.1&2 DVD Titles
Q.3 Loaned Members
Q.4 DVD Details
Q.5 Latest Loan
Q.6 Issue DVD
Q.7 Return DVD
Q.8 Members Details
Q.9 Add DVD
Q.10 Stock DVD
Q.11 Loan DVD
Q.12 Not Loan Members
Q.13 Unsold DVD
Q.14 Profile

Figure 51 Members Details

Table 8 Add DVD tables

Involved forms: Add DVD	
Privileges for:	Assistant & Manager
Description:	This shows a form for merging the category, actor, producer, studio, cast members, and DVD title details, which is then shown in table form down below.

User: Rakish Log out

Category Details			Actor Details		
Category Number:			Actor Number:		
Category Description:			First Name:		
Age Restricted:	<input checked="" type="radio"/> True	<input type="radio"/> False	Last Name:		
Add Category			Add Actor		
Category Number	Category Description	Age Restricted	Actor Number	First Name	Last Name
CAN01	A	True	AK01	Akshya	Kumar
CAN02	B	False	MB01	Manoj	Bajpayee
CAN03	C	False	SH03	Shahid	kapoor
CAN04	D	True	SK02	Sharukh	Khan
CAN05	E	True			

Producer Details			Studio Details			Cast Members		
Producer Number:			Studio Number:			DVD Number:	F07	<input type="button" value="Add Cast Member"/>
Producer Name:			Studio Name:			Actor Number:	AK01	<input type="button" value="Add Cast Member"/>
Add Producer			Add Studio			DVD Number Actor Number		
Loan Number	Loan Type Number		Studio Number	Studio Name		DVD Number	Actor Number	
AN01	Anurag Kashyap		AK01	Anurag Kashyap Films		F07	MB01	
asdf	asdf		Bhan	AK02		G03	MB01	
KA02	Karan Johar		BM02	Balaji Motion Pictures		K01	SK02	
SA03	Sanjay Bhansali		BP03	Bhansali Production		K05	SH03	
			CT00	Studio Tumbra		K06	SK02	

Figure 52 Add DVD

Table 9 Stock DVD tables

Involved forms: Stock DVD	
Privileges for:	Assistant & Manager
Description:	This display the DVD copies in the stock which is more than a year and delete option too.

User: Rakish Log out

DVD Copies in stock for more than a Year			
Copy Number	DVD Number	Purchased Date	
CN02	P02	4/13/2021 12:00:00 AM	
CN04	Z04	5/5/2020 12:00:00 AM	
CN06	Z04	11/13/2019 12:00:00 AM	
CN07	F07	5/8/2020 12:00:00 AM	
Remove Stock DVD			

Figure 53 Stock DVD

Table 10 Loan DVD table

Involved forms: Loan DVD	
Privileges for:	Assistant & Manager
Description:	This presented the DVD copies presently on loan, with options to sort by title and dateout, as well as a button to Show DVD information.

User: Rakish Log out

DVD Copies Currently on Loan

Sort by Title Sort by DateOut Show Dvd Details

Total Loans: 7

CopyNumber	FirstName	LastName	DvdTitle	DateOut
CN03	Rupesh	Poudel	Gangs of Wasseypur	4/25/2022 12:00:00 AM
CN01	Prabesh	Karki	Kuch Kuch Hota hai	5/5/2022 12:00:00 AM
CN05	Suraj	Gurung	Kabir Singh	3/15/2022 12:00:00 AM
CN01	Prabesh	Karki	Kuch Kuch Hota hai	3/15/2022 12:00:00 AM
CN01	Suraj	Gurung	Kuch Kuch Hota hai	5/7/2022 12:00:00 AM
CN01	Suraj	Gurung	Kuch Kuch Hota hai	5/5/2022 12:00:00 AM
CN03	Ankit	Poudel	Gangs of Wasseypur	5/8/2022 12:00:00 AM

Figure 54 Loan DVD

Table 11 Not loan Members table

Involved forms: Not Loan Members	
Privileges for:	Assistant & Manager
Description:	This presented the members details who have not borrowed any DVD in the last 31 days.

User: Rakish Log out

Members Details who have not borrowed any DVD in the last 31 days

Member Number	First Name	Last Name	Address	Date Out	DVD Title	Number of days since the last loan
SP3	Paul	Sherpa	Damak	12/12/2021 12:00:00 AM	Gangs of Wasseypur	148
RM4	Manoj	Rai	Tarara	4/2/2022 12:00:00 AM	Family man	37

Ropey DVD's
 Q.1&2 DVD Titles
 Q.3 Loaned Members
 Q.4 DVD Details
 Q.5 Latest Loan
 Q.6 Issue DVD
 Q.7 Return DVD
 Q.8 Members Details
 Q.9 Add DVD
 Q.10 Stock DVD
 Q.11 Loan DVD
 Q.12 Not Loan Members
 Q.13 Unsold DVD
 Q.14 Profile

Figure 55 Not Loan members

Table 12 Unsold DVD table

Involved forms: Unsold DVD	
Privileges for:	Assistant & Manager
Description:	This presented Unsold DVD titles in last 31 days

User: Rakish Log out

Unsold DVD Titles in Last 31 Days

Display No loan last 31 days dvds

DvdTitle	DateOut
Padmavat	11/12/2021 12:00:00 AM
Gangs of Wasseypur	12/12/2021 12:00:00 AM
Family man	4/2/2022 12:00:00 AM
Kabir Singh	3/15/2020 12:00:00 AM
Kuch Kuch Hota hai	3/15/2022 12:00:00 AM

Ropey DVD's
 Q.1&2 DVD Titles
 Q.3 Loaned Members
 Q.4 DVD Details
 Q.5 Latest Loan
 Q.6 Issue DVD
 Q.7 Return DVD
 Q.8 Members Details
 Q.9 Add DVD
 Q.10 Stock DVD
 Q.11 Loan DVD
 Q.12 Not Loan Members
 Q.13 Unsold DVD
 Q.14 Profile

Figure 56 Unsold DVD

Table 13 Profile for Assistant table

Involved forms: Profile	
Privileges for:	Assistant

Description:	By integrating information and pushing the change password button, the change password function was presented.
--------------	--

User: Rakish

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

Log out

Ropey DVD's

Q.1 &2 DVD Titles
Q.3 Loaned Members
Q.4 DVD Details
Q.5 Latest Loan
Q.6 Issue DVD
Q.7 Return DVD
Q.8 Members Details
Q.9 Add DVD
Q.10 Stock DVD
Q.11 Loan DVD
Q.12 Not Loan Members
Q.13 Unsold DVD
Q.14 Profile

Figure 57 Profile for Assistant

Table 14 Profile for Manager

Involved forms: Profile	
Privileges for:	Manager
Description:	By integrating information and pushing the change password button, the change password function was presented. User delete, add and Update feature for management

User: Samuel Log out

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

User Number:	<input type="text"/>	User Type:	<input type="text"/>
Username:	<input type="text"/>	User Password:	<input type="text"/>
<input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>			

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	manoj	<input type="button" value="Select"/>
2	Pravat	Assistant	pravat	<input type="button" value="Select"/>
3	Rakish	Assistant	rakish	<input type="button" value="Select"/>
4	Unisha	Assistant	unisha	<input type="button" value="Select"/>
5	Samuel	Manager	samuel	<input type="button" value="Select"/>

Figure 58 Profile for Manager

5. System and Architecture

5.1. ER Diagram

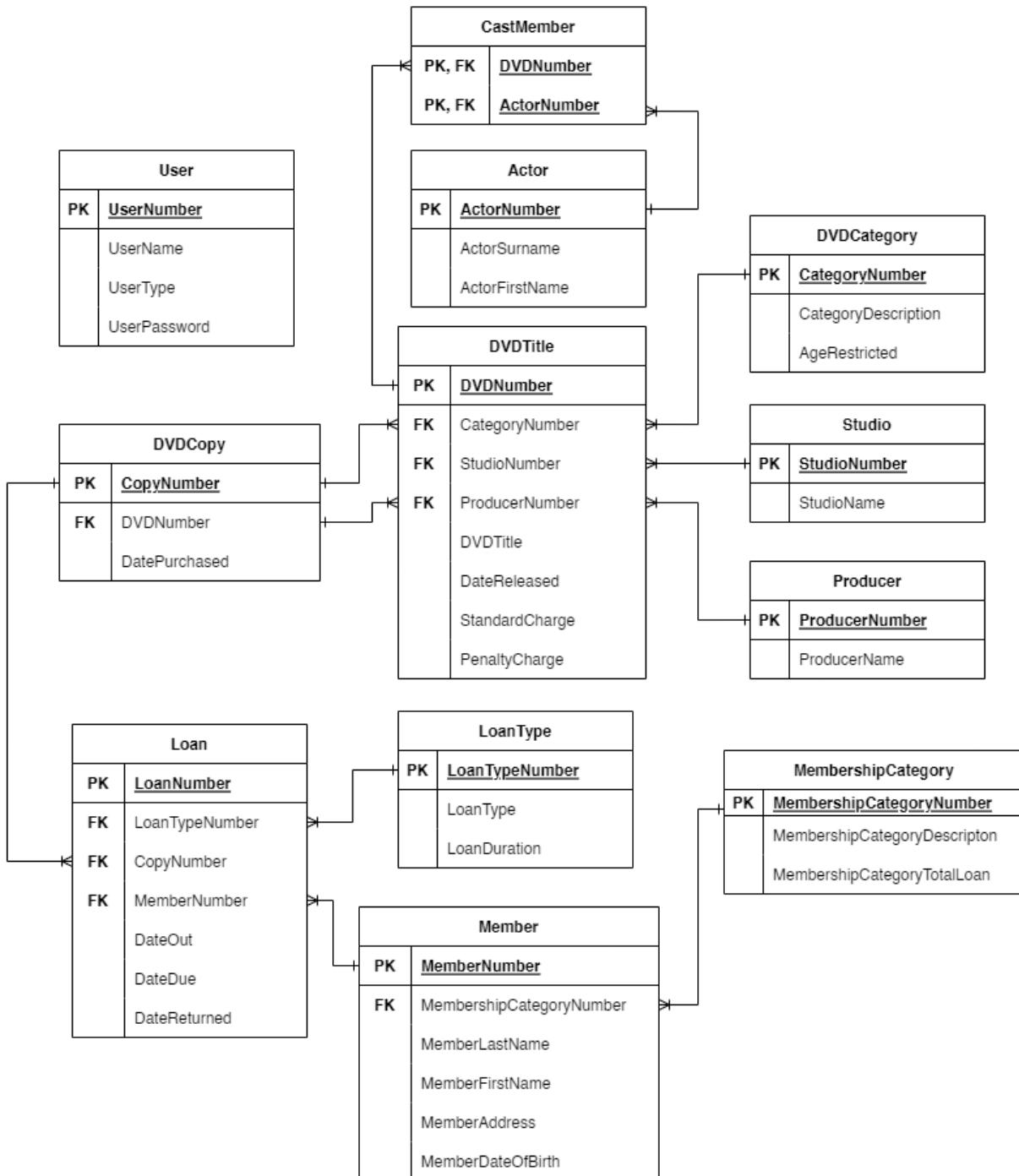


Figure 59 ER Diagram

5.2. Class Diagram

5.2.1. GlobalConnection



Figure 60 GlobalConnection

5.2.2. NonLoanMembers

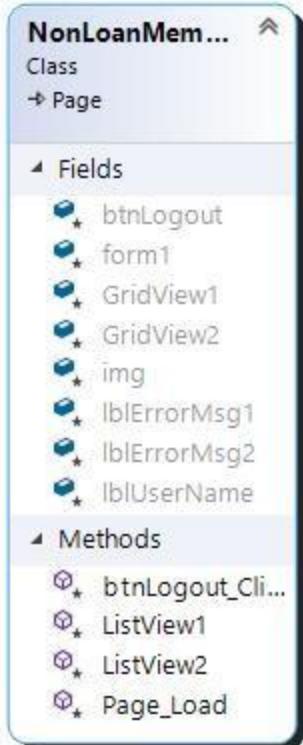


Figure 61 NonLoanMembers

5.2.3. Profile



Figure 62 Profile

5.2.4. RopeyCode

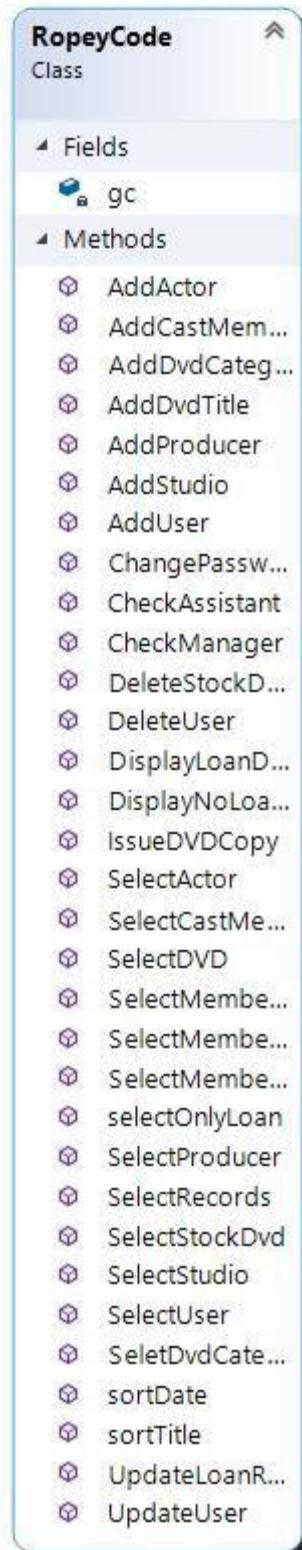


Figure 63 RopeyCode

5.2.5. Feature13

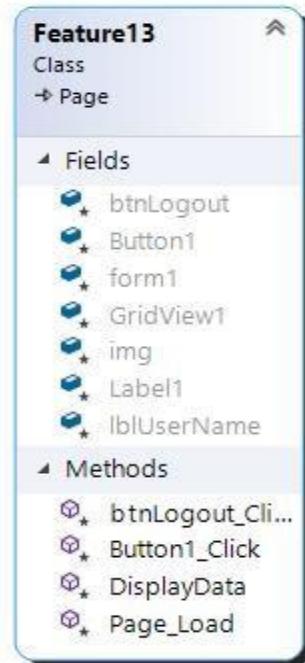


Figure 64 Feature13

5.2.6. StockDvd

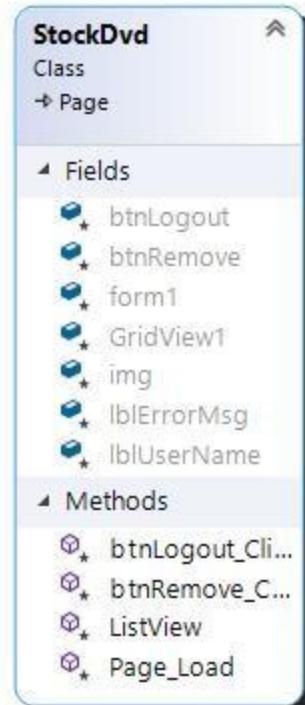


Figure 65 StockDvd

5.2.7. Memberinfo

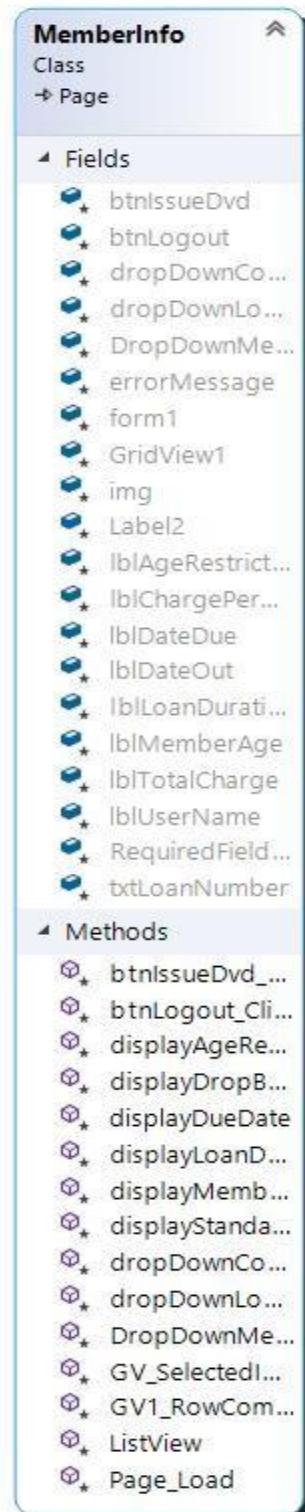


Figure 66 MemberInfo

5.2.8. LoanMember

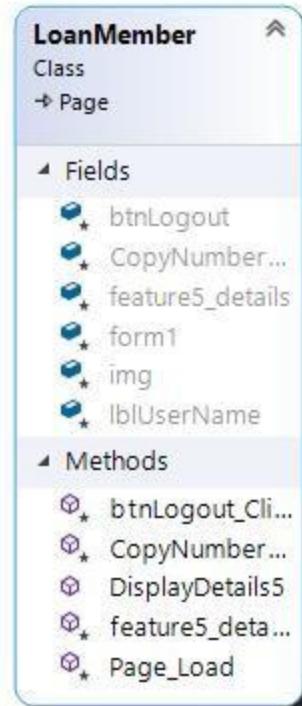


Figure 67 LoanMember

5.2.9. LoanDvd

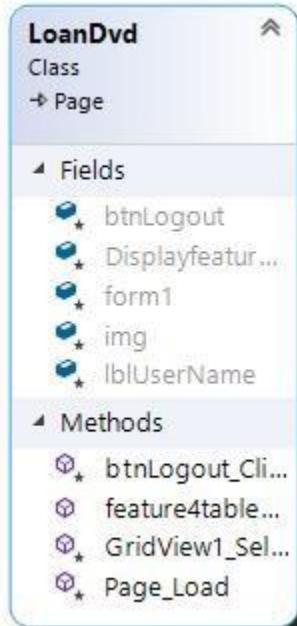


Figure 68 LoanDvd

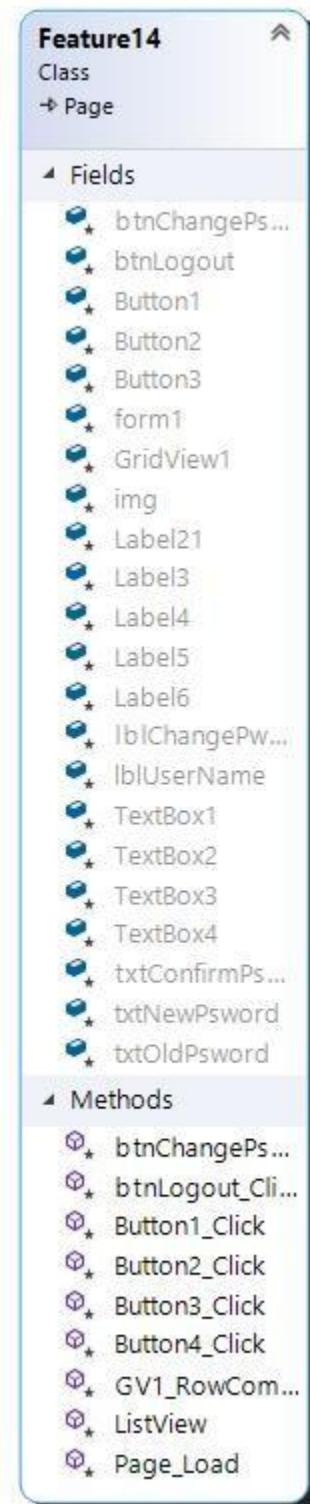
5.2.10. Feature14

Figure 69 Feature14

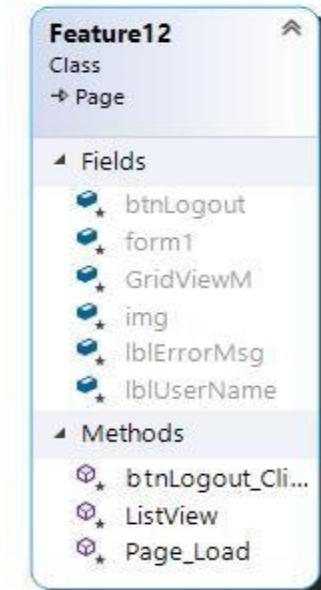
5.2.11. Feature12

Figure 70 Feature12

5.2.12. Login

Figure 71 Login

5.2.13. Home

Figure 72 Home

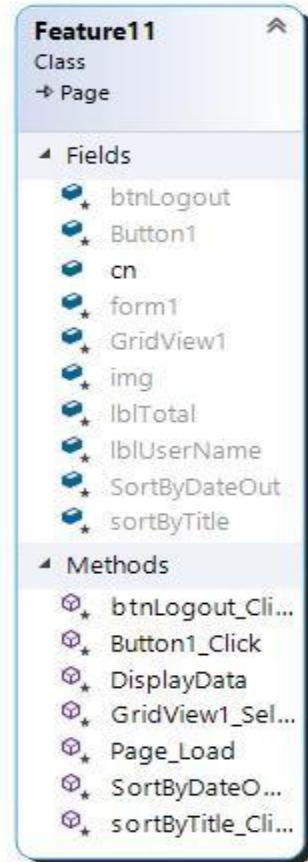
5.2.14. Feature11

Figure 73 Feature11

5.2.15. DvdInfo

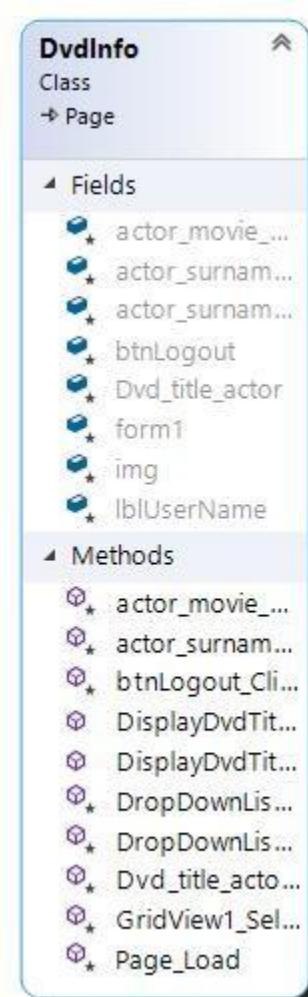
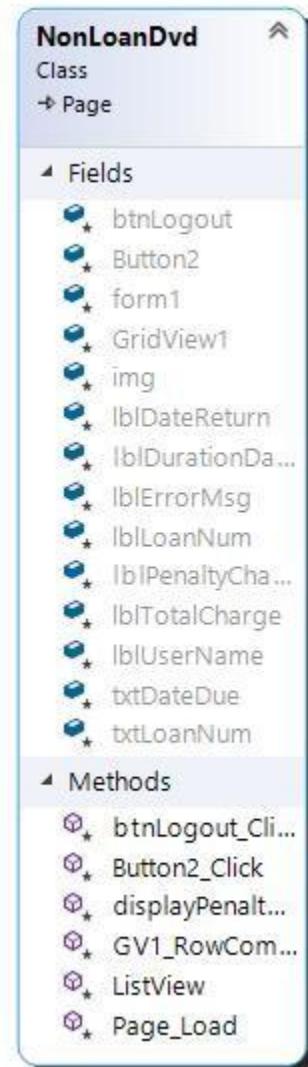


Figure 74 DvdInfo

5.2.16. NonLoanDvd*Figure 75 NonLoanDvd*

5.3. Purpose of all the classes

Table 15 Purpose of all the classes

Classes	Modifier	Purpose
Profile	Public	The class allow adding DVD titles, actor, cast member, Category, studio and producer.
RopeyCode	Public	The class contains all the important methods to manage and structure better.
StockDvd	Public	The class display all the DVD copies that are more than 365 days old and allows to delete them.
MemberInfo	Public	The class display form to add Issued Dvd and display all issued DVD data in the table
LoanLoadMember	Public	The class display list of all members with no current loan along with the total number of loan currently they have.
LoanDvd	Public	
Feature14	Public	The class allow the Assistant to change their password and the manager to change their password and update user data.
Feature12	Public	The class display the list of the members who have not issued any Dvd copies in the last 31 days.
Login	Public	The class display form to log in to the system.
NonLoanDvd	Public	The class display loan DVD copies and allow to record the loan return through the form.
Feature11	public	The class display the list of the member who currently are on loan.

DvdInfo	public	The class display the list details of the dvd available.
Home	public	The class contains the features from where one can navigate to other features.

6. Method Description

6.1. Method description of DVdInfo

Table 16 Method descreption of DvdInfo

Modifier and Type	Method & Description
Protected Void	btnLogout_Click(object sender, EventArgs e) This method is to logout current user using the system out from the system, only then she could enter system again after successful log in.
Public Void	DisplayDvdTitles () This method is used to put SQL queries in the method which gets name of a DVD title which belongs to a particular actor and update a table called Dvd_title_actor.
Public Void	DisplayDvdTitles2 () This method is used to put SQL queries in the method which gets Title of a DVD and it's copy numbers when an actor's last name is selected in dropdown list, and

	shows the result in a table called actor_movie_notloaned.
--	---

6.2. Method description of Home

Modifier and Type	Method and Description
Protected void	<p>Page_Load(object sender, EventArgs)</p> <p>In this method, after finishing cooking session, just after making a GlobalConnection, LastName of member is shown in a dropdownlist called: member_last_name_dropdownlist.</p>
Public Void	<p>DisplayDetails()</p> <p>This method is used to put SQL queries in the method which gets Title of a DVD and it's copy numbers which have been loaned in the last 31 days.</p>
Protected void	<p>DropDownList_SelectedIndexChanged(object sender, EventArgs e)</p> <p>Here, DisplayDetails() is called.</p>

6.3. Method description of LoanDvd

Modifier and Type	Method and Description
Public void	<p>Feature4table_method()</p> <p>In this method, a global connection is made, and a SQL queries which displays a list of producer, studio and cast lists of all DVDs, which are in the shop with the DVDs in increasing order of DateReleased, showing title of each DVD and the names of all the cast member in alphabetic order of last name.</p>

6.4. Method description of loanMember

Modifier and Type	Method and Description
Protected Void	<p>Page_reload(object sender, EventArgs e)</p> <p>In this method, after finishing cookie session, global connection is made and all the CopYNumber from DvdCopy and shown in a CopyNumber_dropdownlist.</p>
Public Void	<p>DisplayDetails()</p> <p>In this method, after selecting a CopyNumber, the details of the last loan for that Copy which is the name of the member who borrowed it, the date out, and due and back if returned with the title of the DVD is shown.</p>

6.5. Method description of class MemberInfo

Table 17 Method description table of Memberinfo class

Modifier and Return type	Method name and Description
Protected Void	Page_Load(object sender, EventArgs e) This method is called when the page loads. The method first checks cookies and sessions to identify the user's logged in and display all the required Issued DVD Copy details in the table.
Protected Void	ListView() This method gets the DVD Copy Issued data from the RopeyCode.cs file and binds it in the GridView.
Protected Void	displayDropBoxData() This method gets all the Copy Number, Loan Type Number and member number from the database and display them in the Issue DVD Copy Form.
Protected Void	displayStandardCharge() This method displays the standard charge of the selected Dvd Copy.
Protected Void	displayDueDate(int day) This method displays the current date of the system in the issue DVD form.
Protected Void	displayMemberAge() This method gets the birth date of the member and calculates his/her age and displays it in the Issue DVD form.
Protected Void	displayLoanDuration() This method gets the loan duration from the loan type table and displays it in the form.
Protected Void	btnIssueDvd_Click(object sender, EventArgs e) This method gets all the required Dvd Copy and Member data from the form and passes the data to the method IssueDvdCopy().

6.6. Method description of NonLoanMember class

Modifier and Return type	Method name and Description
Protected Void	ListView1() This method gets all the members having a loan from the database and binds them in the first grid view table.
Protected Void	ListView2() This method gets all the members with no current loan from the database and displays it in the second grid view table.

Table 18 Method description NonLoanMember Class

6.7. Method description of the Profile Class

Table 19 Method description of the profile class

Modifier and Return type	Method name and Description
Protected Void	ListView() This method gets all the data of Category, Producer, Studio, Actor Cast member and DVD titles from the database and binds them to the respective grid view tables.
Protected Void	btnAddCat_Click(object sender, EventArgs e) This method gets DVD category data from the DVD Category form and passes it to the method AddDvdCategory() to add to the database.
Protected Void	btnAddStudio_Click(object sender, EventArgs e) This method gets Studio data from the Studio form and passes it to the method AddStudio() to add to the database.
Protected Void	btnAddProducer_Click(object sender, EventArgs e) This method gets Producer data from the Producer form and passes it to the method AddProducer() to add to the database.
Protected Void	btnAddActor_Click(object sender, EventArgs e)

	This method gets Actor data from the Actor form and passes it to the method AddActor() to add to the database.
Protected Void	btnAddCastMem_Click(object sender, EventArgs e) This method gets Cast member data from the Cast Member form and passes it to the method AddCastMember() to add to the database.
Protected Void	btnSubmitDvdTitle_Click(object sender, EventArgs e) This method gets DVD Title data from the DVD Title form and passes it to the method AddDvdTitle() to add to the database.

6.8. Method description of the StockDvd class

Table 20 Method description table of the Stock Dvd class

Modifier and Return type	Method name and Description
Protected Void	ListView() This method gets all the stock DVD copies that are more than a year old from the method SelectStockDvd() and binds them to the grid view table.
Protected Void	btnRemove_Click(object sender, EventArgs e) This method calls the method DeleteStockDvd() to remove all the stock DVD copies from the database.

6.9. Method description of Feature 12 class

Table 21 Method description table of the feature 12 Class

Modifier and Return type	Method name and Description
Protected Void	ListView() This method gets all Members' data who have not borrowed any DVD in the last 31 days from the method SelectMemberNotBorrow() and displays them to the gird view table.

6.10. Method description of Feature 14 class

Table 22 Method description table of the feature14 Class

Modifier and Return type	Method name and Description
Protected Void	ListView() This method gets all Users' data from the method SelectUser() and displays them on the grid view table.
Protected Void	GV1_RowCommand(object sender, GridViewCommandEventArgs e) This method is called when a Manager selects any specific user displayed in the Users' grid view table. The method display data of the selected user in the User form.
Protected Void	Button1_Click(object sender, EventArgs e) This method gets all user's data from the User form and passes it to the method AddUser() to add to the database.
Protected Void	Button2_Click(object sender, EventArgs e) This method is to update the user's data. The method gets all the user data from the Users form and passes it to the method UpdateUser() to update the user data in the database.
Protected Void	Button3_Click(object sender, EventArgs e) This method is to delete users from the database. The method gets all the selected user data from the User form and passes it to the method DeleteUser() to remove user data from the database.
Protected Void	btnChangePswd_Click1(object sender, EventArgs e) This method gets the required password change data from the Change Password form and changes the user password in the database.

6.11. Method description of the Login class

Table 23 Method description table of the Login

Modifier and Return type	Method name and Description

Protected Void	Button1_Click(object sender, EventArgs e) This method gets the user's login data from the login form. If the user's data is valid, the method saves user data in the cookies and session and logs in to the system.
---------------------------	---

6.12. Method description of the Ropey Code Class

Table 24 Method description of the Ropey Code

Modifier and Return type	Method name and Description
Public DataTable	CheckAssistant(string username, string password) This method gets the Assistant data of the parameter from the database and returns them in the dataset table.
Public DataTable	CheckManager(string username, string password) This method gets the Manager data of the parameter from the database and returns them in the dataset table.
Public Void	AddDvdTitle(string dvdNum, string studioNum, string prodNum, string dvdTitle, string dateReleased, string standardCharge, string penaltyCharge, string categoryNum), AddDvdCategory(string catNum, string catDesc, string ageRes), public void AddStudio(string stuNum, string stuName) AddProducer(string proNum, string proName), AddActor(string actNum, string firstname, string lastName), AddCastMember(string dvdNum, string actNum) These methods take required data through respective parameters and add them to their respective database.
Public Void	IssueDVDCopy(string loanNumber, string loanNumberType, string copyNumber, string memberNumber, string dateOut, string dateDue) This method takes DVD loan data from the parameter and adds them to the database.
Public DataTable	SelectRecords()

	This method gets all the Loan data from the database and returns them in DataTable.
Public DataTable	SelectDVD(), SelectDvdCategory(), SelectActor(), SelectCastMember(), SelectStudio(), SelectProducer(), SelectUser() These methods get the respective data from the database and return them with the respective DataTable.
Public DataTable	SelectMemberWithLoan() This method gets all the members who have loans with a total number of loans and returns them in DataTable.
Public DataTable	SelectMemberWithNoLoan() This method gets all the members with no current loan from the database and returns them in DataTable.
Public DataTable	selectOnlyLoan() This method gets all the loan data from the database and returns them in DataTable.
Public DataTable	SelectStockDvd() This method gets all the stock Dvd copies that are 365 days old and returns them DataTable.
Public DataTable	SelectMemberNotBorrow() This method gets all the member data who have not borrowed any DVD in the last 31 days and returns them in DataTable.
Public Void	UpdateLoanReturnedDate(string loanNumber, string dateReturn) This method takes loan return data from the argument and updates them in the database.
Public Void	DeleteStockDvd() This method deletes all the stock DVD copies from the Loan and DVD Copies database.

Public DataTable	DisplayLoanDvd() This method gets members' details who has loan and returns them in the DataTable.
Public Void	DisplayNoLoanDvd() This method gets DVD details that have not been loaned in the last 31 days.
Public Void	AddUser(string UserName, string UserType, string UserPassword) This method adds new users to the database.
Public Void	UpdateUser(string UserNumber, string UserName, string UserType, string UserPassword) This method takes updated data of the user through the parameter and updated them to its database.
Public Void	DeleteUser(string UserNumber) The method takes the user number through the parameter and removes its data from the database.
Public Void	ChangePassword(string username, string userpsword) This method takes new passwords and changes them with the old password in the database.

6.13. Method description of NonLoadDvd Class

Modifier and Return type	Method name and Description
Protected Void	displayPenaltyCharge() This method gets a penalty charge of a selected DVD from the DvdTitle table and displays it in the Return DVD form.
Protected Void	GV1_RowCommand(object sender, GridViewCommandEventArgs e) This method is called when a user selects any specific data displayed in the Issue Dvd grid view table. The method display selected data in the form.
Protected Void	Button2_Click(object sender, EventArgs e) This method is called when the return issue DVD form submits. It passes required data to the method UpdateLoanReturnDate() to add the date return to its database.

Table 25 Method description of NonLoadDvd Class

7. Individual Member's Reflation

7.1. Rakish Rai

RopeyDVD is an inventory system created by a small group of people who have a thorough understanding of the problem. Visual Studio is used to construct the system since it is a sophisticated development tool with increased code formatting and a wide range of relevant packages. The system's basic functionality is implemented in C#. After achieving the dates and plans that were established, the project is completed.

7.2. Samuel Sherpa

The final project or the outcome of this CW which you have seen is the end result and fruit of the joined effort of ten hands laboriously working day and night. Personally speaking, I got to learn many things from the technical point of view to the psychological view. Talking about the technical view, Visual Studio as an IDE was underestimated by me, but while coding its drag-drop feature, quick debugging facility, and other customizing options helped me a lot in team coding. It's swift and clean connection with a database SQL Server Management Studio (SSMS) was fabulous. SSMS was a great help in creating a database. I used it to create a database diagram, and edit and add new data and tables to the database. C# developed by Microsoft ran great in the Asp.Net framework. Asp.net helped to build the RopeyDvd interactive web application. Coding in C#, building a website with asp.net, decorating it with CSS, and validating all the forms using JavaScript was great fun.

I was tasked to code feature one to five of the CW system. I got to revise my coding and type some challenging SQL join queries, but hey: I got to learn a lot. Coding with some of my best friends was heartwarming for me as we all are going to leave college and head towards our paths and destiny, therefore I carry this CW deep down in my heart.

Psychologically speaking, I would like to list the points I learned:

- i) "Early birds get the worms first", starting and coding as early as possible was the best decision made by our group members.
- ii) "Teamwork makes the dream work", there's great power in unity, if worked together then we can move any mountain and also can do any CW or project.
- iii) "Never give up", doesn't matter how hard life tests you, never give up, success is always about trying one more time. When a bug and error hits you, ask for others' help online and try to solve it on your own.
- iv) "Focus on the goal, blur the noise", remember your task and goal, and achieve it no matter what. The good view comes only after the hardest climb.

7.3. Manoj Rai

The given group coursework was all about developing a web application to manage Ropey DVD's renting and returning of DVDs. Since the coursework includes working in both front and backend, I was a little bit nervous. However, the coursework was based on the group, this was very exciting. It was an opportunity to build a system working in a team. In this coursework. In the beginning, we discussed the coursework requirements and features and divided the tasks within the group. I took the responsibility for feature 6 to feature 10 mentioned in the coursework and user authentication.

The development process was very tough. Because of my less experience with Aspx.Net, I had to face many errors and difficulties. I had to do more research on SQL queries rather than the C# code. The good thing about group work is that you are not alone. You have always a team to support you. Hence, with the support from my teams and my research skills, I was able to tackle all those difficulties and complete the system in time. The module leader was always there for us to guide us.

The coursework journey was very fruitful. I got to develop my problem-solving skills. It taught me how the system works in the backend of ASP.net. I got to develop knowledge in C# and learn to create and manipulate the database using Microsoft Server SQL Management (SSMS). The system was developed using Visual Studio. The features of the Visual Studio, such as drag and drop GUI plugins, display errors and warnings. were very helpful. I get the chance to explore more about it and its function. Similarly, the most important thing this coursework taught me is the skill of working in a team. We were able to understand each other and support them to overcome their problems. Overall the group coursework helped me to understand the importance of teamwork and build confidence in working in a team.

7.4. Pravat Dahal

It was challenging coursework as we had to develop a fully functional application. We started initially by discussing and developing the wireframes for the projects. And then after finalising the wireframes. My task initially was to develop the database and fill related tables. As the database was developed, we started the development of the project. It was not easy as we thought we faced various problems in the development of the project and integrating the backend with the front end. However, with persistence and consistency, we did the project.

In the process I got to learn more about Visual studio as it's a very powerful IDE for developing applications learning asp.net and MS SQL was very fun as well we face a lot of errors during the development process but we were able to fix the errors by group discussing with our mates and referring to online articles. I was specifically working on features 11, 12, and 13 and yeah first we work on the query of the feature and then implemented the query in our feature. In the process got to learn how the back-end implementation is done and how to connect your database with the back end and got to learn how to develop a CRUD application. The feature I liked the most is feature 11 where we need to show the data of the member that is currently on loan.

Finally, I got to learn as a team how we need to work and collab. It was a very great experience as we were working as a team we were sharing and learning from each other. Each of my mates was very determined which also motivated me in doing this project successfully

7.5. Yunisha Chudal

It was a very wonderful opportunity for me to work on this project and develop a management system for the Ropey DVDs. After developing the system, I was able to gain learning experience and knowledge regarding the system. The record stored is systematic and well managed. Making the system attractive and users' friendly is very important. At first, it was a bit difficult for us to design a beautiful GUI but after looking at some samples from the internet we had some idea and collected one each GUI from a

group member. Then finally, a beautiful GUI was designed from all the designs collected. We connected ourselves in social media and interacted there as well. After a while, we found ourselves working in a group even better. I had a good experience of working together, dividing our work and I'm sure this is going to help me in the future once I am in a professional world. Although faced many problems and challenges, I never took back a step instead, I were working even harder to solve the problem encouraging each other as well. The problem we faced encouraged us to work even harder and find out the solution. It provided me an opportunity to learn something new and ideas to tackle such challenges as well. I now have some idea to work in a group and tackle the problem that can arise while working in a group or community. Overall, All the experiences I gained after completing this project can help me in the future. Once I step in the professional world the experience like working as a group member, to the deep research about the topic and the ideas to tackle the challenges is surely going to work for us.

8. Conclusion

The main purpose of this coursework is to help the students in learning about the creation and development of a DVD management system. The desktop application of Ropey DVDs management system is developed successfully using C# programming. After the successful completion of the coursework, we became familiar with the C# programming, its algorithm, and data structure. During the development of the project, various errors were raised and to overcome those errors we had to research through various websites, books, and so others. Moving ahead in the development of the project, the most challenging part of this project for us was to implement every given features. We all spent at least a couple of weeks for this but still, we're not on the track. Later we all arranged the meeting, understood the problem and implemented the process in our project. Although we faced many problems and challenges, we never took back a step instead, we were working even harder to solve the problem encouraging each other as well.. Though facing the challenges was a tough job but completing those challenges and gaining some pieces of knowledge and new concept about programming terms was exciting as well. This project also imparted knowledge on how a DVD management system is made in the future

Validate whether user detail page is viewed for Manager

Objective	To check whether user detail page is displayed to assistant or is only exclusively for manager.
Action	Login as a manager and assistant and view profile page.
Expected Output	The user detail page will not be shown to assistant while it will be functional to the manager.
Actual Output	The user detail page was not shown to Assistant while it was be functional to the Admin.
Conclusion	Test Successful.

Table 26-Validate whether user detail page is viewed for Manager

The screenshot shows a web-based application interface for managing users. On the left, there is a sidebar with a logo and various menu options: Q1&2 DVD Titles, Q3 Loaned Members, Q4 DVD Details, Q5 Latest Loan, Q6 Issue DVD, Q7 Return DVD, Q8 Members Details, Q9 Add DVD, Q10 Stock DVD, Q11 Loan DVD, Q12 Not Loan Members, Q13 Unsold DVD, and Q14 Profile. The 'Q14 Profile' option is highlighted with a red box. The main content area has a header 'User: Samuel'. Below the header, there are two sections: 'Change Password' and 'User Details'. The 'User Details' section contains fields for User Number, Username, User Type, and User Password, along with 'Add', 'Update', and 'Delete' buttons. A table displays user information with columns: UserNumber, UserName, UserType, UserPassword, and Status. The table shows five entries:

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	manoj	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select

Figure 76- user detail page is viewed for Manager

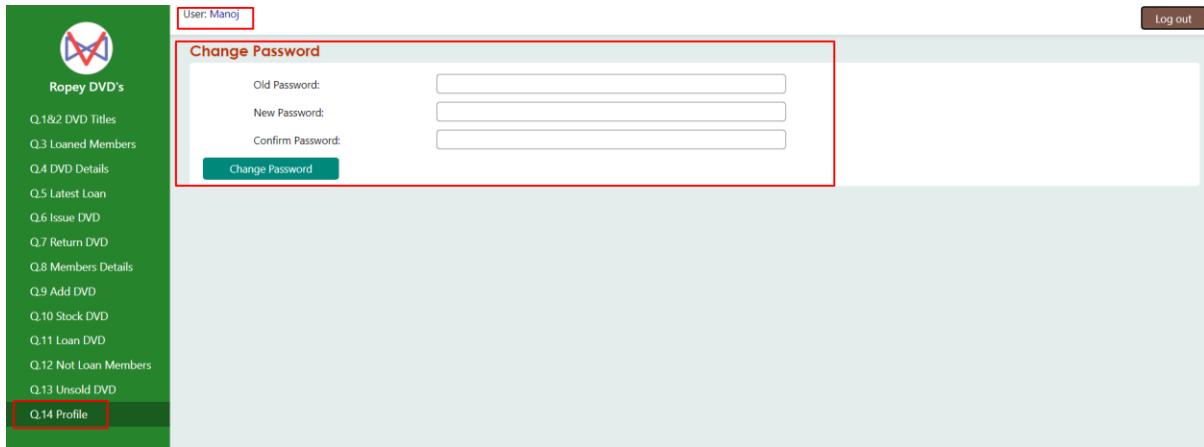


Figure 77-user detail page is not viewed for Assistant

Log Out Button

Objective	To test whether Log out Button functions.
Action	Click on “log out button” from the navbar.
Expected Output	The user should be logged out of the system.
Actual Output	The user was logged out of the system.
Conclusion	Test Successful

Table 27-Log Out Button



User: Manoj

Select a MemberLastName and view the title and copy number of a DVD that had been loaned in the last 31 days.

Member's Last Name:	Gurung	
Last Name	DvdTitle	Copy Number
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01

Log out

Ropedy DVD's

- Q182 DVD Titles
- Q3 Loaned Members
- Q4 DVD Details
- Q5 Latest Loan
- Q6 Issue DVD
- Q7 Return DVD
- Q8 Members Details
- Q9 Add DVD
- Q10 Stock DVD
- Q11 Loan DVD
- Q12 Not Loan Members
- Q13 Unsold DVD
- Q14 Profile

Figure 78-logout button

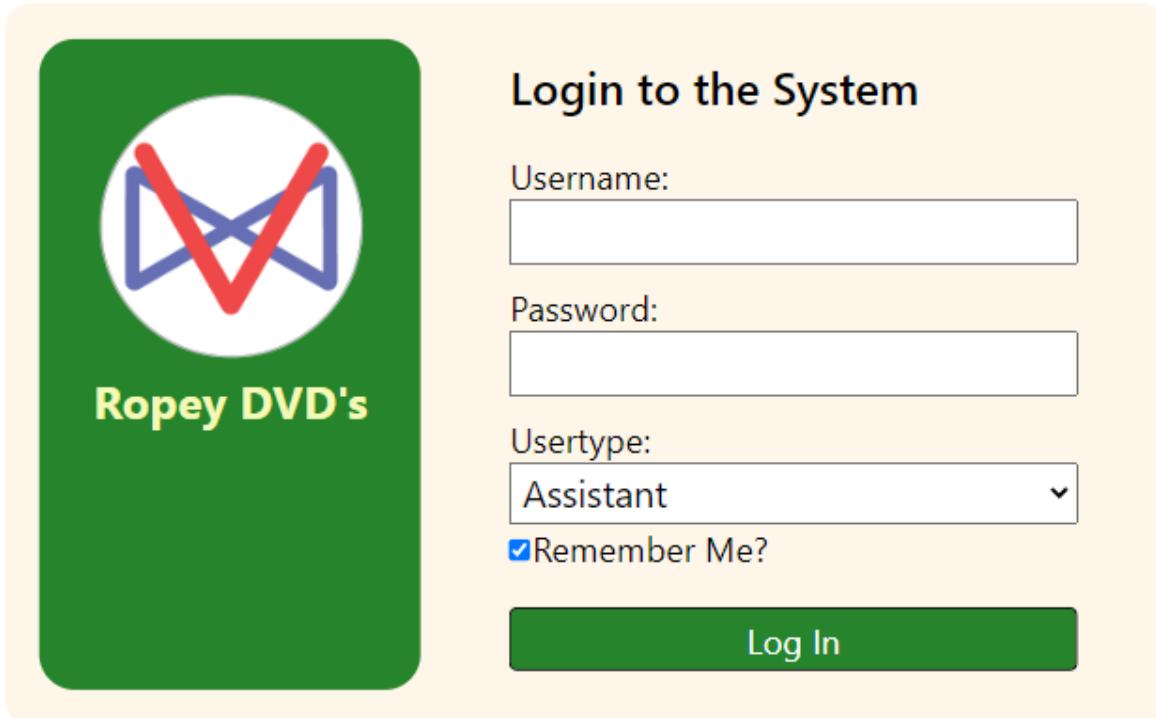
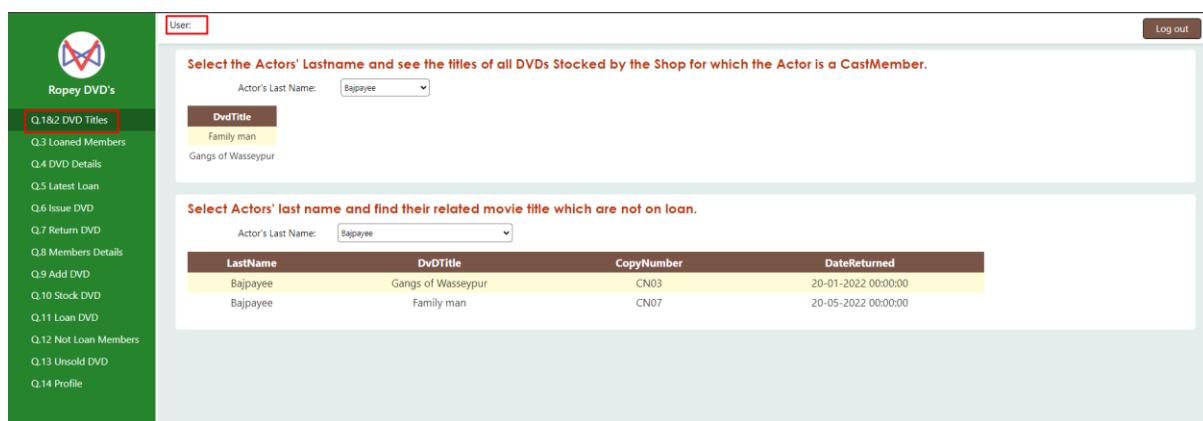


Figure 79-user logged out

Testing DVD title Button

Objective	To check if the DVD title page works when a DVD title button is clicked.
Action	Click on “DVD title button” from the navbar.
Expected Result	The DVD title page should be displayed.
Actual Result	The DVD title page was displayed.
Conclusion	Test successful.

Table 28-Testing DVD title Button



The screenshot shows a web-based application for managing a DVD shop. On the left, there is a sidebar with a logo and a list of menu items:

- Q1&2 DVD Titles (highlighted with a red box)
- Q3 Loaned Members
- Q4 DVD Details
- Q5 Latest Loan
- Q6 Issue DVD
- Q7 Return DVD
- Q8 Members Details
- Q9 Add DVD
- Q10 Stock DVD
- Q11 Loan DVD
- Q12 Not Loan Members
- Q13 Unsold DVD
- Q14 Profile

The main content area has two sections:

Top Section: A form titled "Select the Actors' Lastname and see the titles of all DVDs Stocked by the Shop for which the Actor is a CastMember." It includes a dropdown menu labeled "Actor's Last Name" with "Bajpayee" selected. Below it, a table shows movie titles associated with the actor:

DvdTitle
Family man
Gangs of Wasseypur

Bottom Section: A form titled "Select Actors' last name and find their related movie title which are not on loan." It includes a dropdown menu labeled "Actor's Last Name" with "Bajpayee" selected. Below it, a table shows movies not currently on loan:

LastName	DvdTitle	CopyNumber	DateReturned
Bajpayee	Gangs of Wasseypur	CN03	20-01-2022 00:00:00
Bajpayee	Family man	CN07	20-05-2022 00:00:00

Figure 80-DVD title page

Selecting the actor lastname in DVD title page

Objective	To check if the DVD title page display required DVDs details when actor lastname is selected .
Action	Selecting the actor lastname .
Expected Result	The title of all DVDs stocked by the shop for which the actor is a castmamber should be displayed.
Actual Result	The title of all DVDs stocked by the shop for which the actor is a castmamber was displayed.
Conclusion	Test successful.

Table 29-Selecting the actor lastname in DVD title page

Last Name	Dvd Title	Copy Number	Date Returned
Bajpayee	Kuch Kuch Hota hai	CN01	15-02-2022 00:00:00
Bajpayee	Kabir Singh	CN05	12-06-2022 00:00:00

Figure 81-Selecting the actor lastname in DVD title page

Selecting the actor lastname in DVD title page

Objective	To check if the DVD title page display required DVDs details when actor lastname is selected .
Action	Selecting the actor lastname .
Expected Result	Related Movie Title which are not on loan should be displayed.
Actual Result	Related Movie Title which are not on loan was displayed.
Conclusion	Test successful.

Table 30-Selecting the actor lastname in DVD title page

User: [Redacted] Log out

Select the Actor's Lastname and see the titles of all DVDs Stocked by the Shop for which the Actor is a CastMember.

Actor's Last Name: Bajpayee

DvdTitle
Family man
Gangs of Wasseypur
Kuch Kuch Hota hai
Kabir Singh

Select Actors' last name and find their related movie title which are not on loan.

Actor's Last Name: Bajpayee

LastName	DvdTitle	CopyNumber	DateReturned
Bajpayee	Kuch Kuch Hota hai	CN01	15-02-2022 00:00:00
Bajpayee	Kabir Singh	CN05	12-06-2022 00:00:00

Figure 82-Selecting the actor lastname in DVD title page

Testing Loaned Member page

Objective	To check if the Loaned Member page display details when members last name is selected .
Action	Select members last name from loaned member page.
Expected Result	Title and copy number of a DVD that has been loaned in last 31 days should be displayed.
Actual Result	Title and copy number of a DVD that has been loaned in last 31 days was displayed.
Conclusion	Test successful.

Table 31-Testing Loaned Member page

The screenshot shows a web application interface for managing DVD loans. The left sidebar has a green background with white text, listing various menu items. The main content area has a light gray background. At the top right, it says 'User: Manoj' and 'Log out'. Below that, a red box highlights a dropdown menu labeled 'Select a MemberLastName and view the title and copy number of a DVD that had been loaned in the last 31 days.' The dropdown shows 'Gurung' selected. A table below the dropdown lists three rows of loaned DVD details:

Last Name	DVD Title	Copy Number
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01

Figure 83-Testing Loaned Member page

Testing DVD Details page

Objective	To check if the DVD Details page display required details
Action	Click on “DVD Details button” from the navbar.
Expected Result	Producer,Studio,cast Lists of all DVDs arranged in increasing order of dateReleased with DVDs title and name of castmember in alphabetic order of lastname should be displayed

Actual Result	Producer,Studio,cast Lists of all DVDs arranged in increasing order of dateReleased with DVDs title and name of castmember in alphabetic order of lastname was displayed
Conclusion	Test successful.

Table 32-Testing DVD Details page

User: Manoj

Log out

Producer, Studio, Cast lists of all DVDs arranged in increasing order of DateReleased with DVDs' title and name of cast members in alphabetic order of Lastname.

ProducerName	StudioName	FirstName	LastName	DateReleased	DvdTitle
Karan Johar	Balaji Motion Pictures	Sharukh	Khan	01-12-2001 00:00:00	Kuch Kuch Hota hai
Anurag Kashyap	Anurag Kashyap Films	Manoj	Bajpayee	03-05-2012 00:00:00	Gangs of Wasseypur
Sanjay Bhanali	Bhansali Production	Shahid	kapoor	12-04-2019 00:00:00	Padmavat
Anurag Kashyap	Anurag Kashyap Films	Manoj	Bajpayee	10-01-2020 00:00:00	Family man
Karan Johar	Balaji Motion Pictures	Sharukh	Khan	08-10-2021 00:00:00	Zero
Sanjay Bhanali	Bhansali Production	Shahid	kapoor	10-10-2021 00:00:00	Kabir Singh
Karan Johar	Balaji Motion Pictures	Shahid	kapoor	10-11-2021 00:00:00	My Name is Khan

Figure 84-Testing DVD Details page

Testing Latest Loan page

Objective	To check if the Latest Loan page display details when copy number is selected .
Action	Select copy number from Latest Loan page.
Expected Result	Details of the member who borrowed it, the date out, due , and returned data should be displayed.
Actual Result	Details of the member who borrowed it, the date out, due , and returned data Was displayed.
Conclusion	Test successful.

Table 33-Testing Latest Loan page

FirstName	LastName	DateOut	DateDue	DateReturned	DvdTitle
Suraj	Gurung	15-04-2022 00:00:00	01-05-2022 00:00:00	15-02-2022 00:00:00	Kuch Kuch Hota hai
Prabesh	Karki	05-05-2022 00:00:00	05-06-2022 00:00:00		Kuch Kuch Hota hai
Prabesh	Karki	15-03-2022 00:00:00	15-06-2022 00:00:00		Kuch Kuch Hota hai
Suraj	Gurung	07-05-2022 00:00:00	14-05-2022 00:00:00		Kuch Kuch Hota hai
Suraj	Gurung	05-05-2022 00:00:00	03-05-2022 00:00:00		Kuch Kuch Hota hai

Figure 85-Testing Latest Loan page

User: Manoj

Select CopyNumber and view details of the Member who borrowed it, the date out, due, and returned date.

Member's Last Name: CN03

FirstName	LastName	DateOut	DateDue	DateReturned	DvdTitle
Paul	Sherpa	12-12-2021 00:00:00	12-01-2022 00:00:00	20-01-2022 00:00:00	Gangs of Wasseypur
Rupesh	Poudel	25-04-2022 00:00:00	25-05-2022 00:00:00		Gangs of Wasseypur

Log out

Navigation menu:

- Q.1&2 DVD Titles
- Q.3 Loaned Members
- Q.4 DVD Details
- Q.5 Latest Loan**
- Q.6 Issue DVD
- Q.7 Return DVD
- Q.8 Members Details
- Q.9 Add DVD
- Q.10 Stock DVD
- Q.11 Loan DVD
- Q.12 Not Loan Members
- Q.13 Unsold DVD
- Q.14 Profile

Testing Age restriction validation in issue DVD

Objective	To check if the Age restriction validation works
Action	Select member age below 18 and copy number with age restriction status " true" and click" submit button".
Expected Result	Age restriction message should be displayed with unsuccessful submit.
Actual Result	Age restriction message was displayed with unsuccessful submit.
Conclusion	Test successful.

Table 34-Testing Age restriction validation in issue DVD

User: Samuel

Issue DVD Copy

Loan Number:	LN0111	Date Out:	08 May 2022
Loan Number Type:	L01	Date Due:	15 May 2022
Copy Number:	CN05	Loan Duration:	7 Days
Member Number:	SP3	Charge Rs. 400 Per day.	Total Charge: Rs. 2800
Member Age:	14	Age Restriction:	True

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	15-04-2022 00:00:00	01-05-2022 00:00:00
LN05	L02	CN01	KP6	05-05-2022 00:00:00	05-06-2022 00:00:00
LN06	L02	CN05	NP5	01-05-2022 00:00:00	02-06-2022 00:00:00
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00

Figure 86-Testing Age restriction validation in issue DVD ss1

User: Samuel

Issue DVD Copy

Loan Number:	LN0111	Date Out:	08 May 2022
Loan Number Type:	L01	Date Due:	15 May 2022
Copy Number:	CN05	Loan Duration:	7 Days
Member Number:	SP3	Charge Rs. 400 Per day.	Total Charge: Rs. 2800
Member Age:	14	Age Restriction:	True

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	15-04-2022 00:00:00	01-05-2022 00:00:00
LN05	L02	CN01	KP6	05-05-2022 00:00:00	05-06-2022 00:00:00
LN06	L02	CN05	NP5	01-05-2022 00:00:00	02-06-2022 00:00:00
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00

Figure 87-Testing Age restriction validation in issue DVD ss2

Testing Return DVD page

Objective	To check if the Return DVD page works
Action	Select issued DVD copy Detail and click "update button".
Expected Result	Selected DVD details should be returned
Actual Result	Selected DVD details is returned
Conclusion	Test successful.

Table 35-Testing Return DVD page

User: Samuel

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN05	L02	CN01	KP6	05-05-2022 00:00:00	05-06-2022 00:00:00		Select
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00		Select
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00		Select
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00		Select
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00		Select

Return DVD Copy

Loan Number:	<input type="text"/>	Date Duration:	Days
Date Due:	<input type="text"/>	Penalty Charge:	Rs.
Date Return:	08 May 2022	Total Penalty Charge:	Rs.

Update Loan

Figure 88-Testing Return DVD page ss1

User: Samuel

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN05	L02	CN01	KP6	05-05-2022 00:00:00	05-06-2022 00:00:00		Select
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00		Select
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00		Select
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00		Select
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00		Select

Return DVD Copy

Loan Number:	<input type="text"/> LN05	Date Duration:	0 Days
Date Due:	<input type="text"/> 08-05-2022 00:00:00	Penalty Charge:	Rs. 0
Date Return:	08 May 2022	Total Penalty Charge:	Rs. 0

Update Loan

Figure 89-Testing Return DVD page ss 2

User: Samuel

Issued DVD Copy Details							
Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00		Select
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00		Select
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00		Select
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00		Select

Return DVD Copy

Loan Number:	<input type="text"/>	Date Duration:	0 Days
Date Due:	<input type="text"/>	Penalty Charge:	Rs. 0
Date Return:	08 May 2022	Total Penalty Charge:	Rs. 0

Update Loan **Loan Updated**

Ropey DVD's

- Q.1&2 DVD Titles
- Q.3 Loaned Members
- Q.4 DVD Details
- Q.5 Latest Loan
- Q.6 Issue DVD
- Q.7 Return DVD**
- Q.8 Members Details
- Q.9 Add DVD
- Q.10 Stock DVD
- Q.11 Loan DVD
- Q.12 Not Loan Members
- Q.13 Unsold DVD
- Q.14 Profile

Figure 90-Testing Return DVD page ss3

User: Samuel

Issued DVD Copy Details							
Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00		Select
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00		Select
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00		Select
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00		Select

Return DVD Copy

Loan Number:	<input type="text"/> LN13	Date Duration:	5 Days
Date Due:	<input type="text"/> 03-05-2022 00:00:00	Penalty Charge:	Rs. 40
Date Return:	08 May 2022	Total Penalty Charge:	Rs. 200

Update Loan

Ropey DVD's

- Q.1&2 DVD Titles
- Q.3 Loaned Members
- Q.4 DVD Details
- Q.5 Latest Loan
- Q.6 Issue DVD
- Q.7 Return DVD**
- Q.8 Members Details
- Q.9 Add DVD
- Q.10 Stock DVD
- Q.11 Loan DVD
- Q.12 Not Loan Members
- Q.13 Unsold DVD
- Q.14 Profile

Figure 91-Testing Return DVD page ss4

Testing Member details page

Objective	To check if the Member details page display required details
Action	Click on “Member details button” from the navbar.
Expected Result	Member with current loan details and member with no current loan details should be displayed
Actual Result	Member with current loan details and member with no current loan details should be displayed
Conclusion	Test successful.

Table 36-Testing Member details page

User: Samuel [Log out](#)

Members with current Loan Details								
Member Number	First Name	Last Name	Address	Date of Birth	Member Category Number	Total Allowed Loan	Number of Loan	Status
GS1	Suraj	Gurung	Biratnagar	02-11-1998 00:00:00	M1	600	4	--Not Exceed--
KP6	Prabesh	Karki	Damak	12-12-2000 00:00:00	M2	1000	2	--Not Exceed--
NPS	Peroj	Nepal	Urlabari	21-08-2007 00:00:00	M1	600	1	--Not Exceed--

Members with no current Loan Details								
Member Number	First Name	Last Name	Address	Date of Birth	Member Category Number	Total Allowed Loan		
PA2	Ankit	Poudel	Biratnagar	02-02-2000 00:00:00	M2	1000		
PR8	Rupesh	Poudel	Pathari	22-12-2000 00:00:00	M1	600		
RM4	Manoj	Rai	Tarara	02-06-2002 00:00:00	M2	1000		
SB7	Bikki	Shah	Damak	12-12-1998 00:00:00	M3	1400		
SP3	Paul	Sherpa	Damak	21-09-2008 00:00:00	M3	1400		

Figure 92-Testing Member details page ss1

User: Samuel [Log out](#)

Members with current Loan Details								
Member Number	First Name	Last Name	Address	Date of Birth	Member Category Number	Total Allowed Loan	Number of Loan	Status
GS1	Suraj	Gurung	Biratnagar	02-11-1998 00:00:00	M1	600	4	--Not Exceed--
KP6	Prabesh	Karki	Damak	12-12-2000 00:00:00	M2	1000	2	--Not Exceed--
NPS	Peroj	Nepal	Urlabari	21-08-2007 00:00:00	M1	600	1	--Not Exceed--

Members with no current Loan Details								
Member Number	First Name	Last Name	Address	Date of Birth	Member Category Number	Total Allowed Loan		
PA2	Ankit	Poudel	Biratnagar	02-02-2000 00:00:00	M2	1000		
PR8	Rupesh	Poudel	Pathari	22-12-2000 00:00:00	M1	600		
RM4	Manoj	Rai	Tarara	02-06-2002 00:00:00	M2	1000		
SB7	Bikki	Shah	Damak	12-12-1998 00:00:00	M3	1400		
SP3	Paul	Sherpa	Damak	21-09-2008 00:00:00	M3	1400		

Figure 93-Testing Member details page ss2

The screenshot shows a web application interface for managing member details. The left sidebar contains navigation links for Q1-Q14. A red box highlights 'Q9 Add DVD'. The main area has several sections:

- Category Details:** Fields for Category Number, Description, and Age Restricted (radio buttons for True or False). A green 'Add Category' button is present.
- Actor Details:** Fields for Actor Number, First Name, and Last Name. A green 'Add Actor' button is present. Below is a table with columns Actor Number, First Name, and Last Name, containing rows MB01 (Manoj Bajpayee), SH03 (Shahid Kapoor), and SK02 (Sharukh Khan).
- Producer Details:** Fields for Producer Number and Name. A green 'Add Producer' button is present. Below is a table with columns Loan Number and Loan Type Number, containing rows AN01 (Anurag Kashyap), asdf (Anurag Kashyap), KA02 (Karan Johar), and SA03 (Sanjay Bhatt).
- Studio Details:** Fields for Studio Number and Name. A green 'Add Studio' button is present. Below is a table with columns Studio Number and Studio Name, containing rows AK01 (Anurag Kashyap Films), Bhan (AK02), BM02 (Balaji Motion Pictures), and BP03 (Bhansali Production).
- Cast Members:** Fields for DVD Number and Actor Number. A green 'Add Cast Member' button is present. Below is a table with columns DVD Number and Actor Number, containing rows F07 (MB01), G03 (MB01), K01 (SK02), K05 (SH03), M06 (SH03), P02 (SH03), Z04 (SK02).

Figure 94-Testing Member details page ss3

Add category button in add DVD page

Objective	To check if the Add category button works
Action	Enter cartegory number , category description and select age restricted or not and click "Add category button".
Expected Result	Provided category details should be added with success message .
Actual Result	Provided category details Was added with success message
Conclusion	Test successful.

Table 37-Add category button in add DVD page

User: Samuel

Category Details

Category Number:	CAN05
Category Description:	F
Age Restricted:	<input checked="" type="radio"/> True <input type="radio"/> False

Add Category

Category Number	Category Description	Age Restricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True

Actor Details

Actor Number:	
First Name:	
Last Name:	

Add Actor

Actor Number	First Name	Last Name
MB01	Manoj	Bajpayee
SH03	Shahid	Kapoor
SK02	Sharukh	Khan

Producer Details

Producer Number:	
Producer Name:	

Add Producer

Loan Number	Loan Type Number
AN01	Anurag Kashyap
asdf	asdf
KA02	Karan Johar
SA03	Sanjay Bhansali

Studio Details

Studio Number:	
Studio Name:	

Add Studio

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production

Cast Members

DVD Number:	F07
Actor Number:	MB01

Add Cast Member

DVD Number	Actor Number
F07	MB01
G03	MB01
K01	SK02
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

Figure 95-Add caregory button in add DVD page ss1

User: Manoj

Category Details

Category Number:	
Category Description:	
Age Restricted:	<input checked="" type="radio"/> True <input type="radio"/> False

Add Category Added Successfully

Category Number	Category Description	Age Restricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True
CAN05	F	True

Actor Details

Actor Number:	
First Name:	
Last Name:	

Add Actor

Actor Number	First Name	Last Name
MB01	Manoj	Bajpayee
SH03	Shahid	Kapoor
SK02	Sharukh	Khan

Producer Details

Producer Number:	
Producer Name:	

Add Producer

Loan Number	Loan Type Number
AN01	Anurag Kashyap
asdf	asdf
KA02	Karan Johar
SA03	Sanjay Bhansali

Studio Details

Studio Number:	
Studio Name:	

Add Studio

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production

Cast Members

DVD Number:	F07
Actor Number:	MB01

Add Cast Member

DVD Number	Actor Number
F07	MB01
G03	MB01
K01	SK02
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

Figure 96-Add caregory button in add DVD page ss2

Add Actor button in add DVD page

Objective	To check if the Add Actor button works
-----------	--

Action	Enter Actor number , First name and Last name and click " Add Actor button".
Expected Result	Provided Actor details should be added with success message .
Actual Result	Provided Actor details Was added with success message
Conclusion	Test successful.

Table 38-Add Actor button in add DVD page

The screenshot shows a user interface for managing movie databases. On the left, a sidebar lists various menu items such as Q1 &2 DVD Titles, Q3 Loaned Members, Q4 DVD Details, Q5 Latest Loan, Q6 Issue DVD, Q7 Return DVD, Q8 Members Details, Q9 Add DVD, Q10 Stock DVD, Q11 Loan DVD, Q12 Not Loan Members, Q13 Unsold DVD, and Q14 Profile. The main area is titled 'User: Manoj'. It contains several data entry forms:

- Category Details:** Fields for Category Number and Description, Age Restricted (radio buttons for True or False), and an 'Add Category' button. Below is a table with columns Category Number, Category Description, and Age Restricted, containing rows for CAN01 through CAN05.
- Actor Details:** Fields for Actor Number (set to KH08), First Name (set to KARINA), and Last Name (set to THAPK). An 'Add Actor' button is present. To the right is a table showing Actor Number, First Name, and Last Name for MB01, SH03, and SK02.
- Producer Details:** Fields for Producer Number and Name, and an 'Add Producer' button. Below is a table with columns Loan Number and Loan Type Number, containing rows for AN01, AN02, SA03, etc.
- Studio Details:** Fields for Studio Number and Name, and an 'Add Studio' button. Below is a table with columns Studio Number and Studio Name, containing rows for AK01, AK02, BM02, BP03, etc.
- Cast Members:** Fields for DVD Number (set to F07) and Actor Number (set to MB01), and an 'Add Cast Member' button. Below is a table with columns DVD Number and Actor Number, containing rows for F07, G03, K01, K05, M06, P02, Z04, MB01, etc.

Figure 97-Add Actor button in add DVD page ss1

User: Manoj

Category Details

Category Number:	<input type="text"/>	
Category Description:	<input type="text"/>	
Age Restricted:	<input checked="" type="radio"/> True	<input type="radio"/> False
Add Category		
Category Number	Category Description	Age Restricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True
CAN05	F	True

Actor Details

Actor Number:	<input type="text"/>	
First Name:	<input type="text"/>	
Last Name:	<input type="text"/>	
Add Actor		
Added Successfully		
Actor Number	First Name	Last Name
KH08	KARINA	THAPKA
MB01	Manoj	Bajpayee
SH03	Shahid	Kapoor
SK02	Sharukh	Khan

Producer Details

Producer Number:	<input type="text"/>	
Producer Name:	<input type="text"/>	
Add Producer		
Loan Number	Loan Type Number	
AN01	Anurag Kashyap	
asdf	asdf	
KA02	Karan Johar	
SA03	Sanjay Bhansali	

Studio Details

Studio Number:	<input type="text"/>	
Studio Name:	<input type="text"/>	
Add Studio		
Studio Number	Studio Name	
AK01	Anurag Kashyap Films	
Bhan	AK02	
BM02	Balaji Motion Pictures	
BP03	Bhansali Production	

Cast Members

DVD Number:	<input type="text" value="F07"/>
Actor Number:	<input type="text" value="MB01"/>
Add Cast Member	
DVD Number	Actor Number
F07	MB01
G03	MB01
K01	SK02
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

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Figure 98-Add Actor button in add DVD page ss2

Add Producer button in add DVD page

Objective	To check if the Add Producer button works
Action	Enter Producer number , Producer name and click " Add Producer button".
Expected Result	Provided Producer details should be added with success message .
Actual Result	Provided Producer details Was added with success message
Conclusion	Test successful.

Table 39-Add Producer button in add DVD page

User: Manoj

Category Details

Category Number:	<input type="text"/>	
Category Description:	<input type="text"/>	
Age Restricted:	<input checked="" type="radio"/> True	<input type="radio"/> False
Add Category		
Category Number	Category Description	Age Restricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True
CAN05	F	True

Actor Details

Actor Number:	<input type="text"/>	
First Name:	<input type="text"/>	
Last Name:	<input type="text"/>	
Add Actor		
Added Successfully		
Actor Number	First Name	Last Name
KH08	KARINA	THAPA
M801	Manoj	Bajpayee
SH03	Shahid	kapoor
SK02	Sharukh	Khan

Producer Details

Producer Number:	<input type="text"/> P04	<input type="text"/>
Producer Name:	<input type="text"/> SATYAJIT RAY	
Add Producer		
Loan Number	Loan Type Number	
AN01	Anurag Kashyap	
as0f	asdf	
KA02	Karan Johar	
SA03	Sanjay Bhansali	

Studio Details

Studio Number:	<input type="text"/>	
Studio Name:	<input type="text"/>	
Add Studio		
Studio Number	Studio Name	
AK01	Anurag Kashyap Films	
Bhan	AK02	
BM02	Balaji Motion Pictures	
BP03	Bhansali Production	

Cast Members

DVD Number:	<input type="text"/> F07
Actor Number:	<input type="text"/> M801
Add Cast Member	
DVD Number	Actor Number
F07	M801
G03	M801
K01	SK02
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

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Figure 99-Add Producer button in add DVD page ss1

Connect -

***** Script for SelectTopNRows command from SSMS *****
`SELECT TOP 1000 [ProducerNumber]
 ,[ProducerName]
 FROM [Ropey_DB].[dbo].[Producer]`

Results Messages

ProducerNumber	ProducerName
1 AN01	Anurag Kashyap
2 as0f	asdf
3 KA02	Karan Johar
4 SA03	Sanjay Bhansali

Figure 100-Add Producer button in add DVD page ss2

User: Manoj

Category Details

Category Number:	<input type="text"/>	
Category Description:	<input type="text"/>	
Age Restricted:	<input checked="" type="radio"/> True <input type="radio"/> False	
Add Category		
Category Number	Category Description	Age Restricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True
CAN05	F	True

Actor Details

Actor Number:	<input type="text"/>	
First Name:	<input type="text"/>	
Last Name:	<input type="text"/>	
Add Actor		
Actor Number	First Name	Last Name
KH08	KARINA	THAPA
MB01	Manoj	Bajpayee
SH03	Shahid	kapoor
SK02	Sharukh	Khan

Producer Details

Producer Number:	<input type="text"/>
Producer Name:	<input type="text"/>
Add Producer	
Added Successfully	
Loan Number	Loan Type Number
AN01	Anurag Kashyap
asdf	asdf
KA02	Karan Johar
KR04	SATYAJIT RAY
SA03	Sanjay Bhansali

Studio Details

Studio Number:	<input type="text"/>
Studio Name:	<input type="text"/>
Add Studio	
Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production

Cast Members

DVD Number:	<input type="text"/> F07
Actor Number:	<input type="text"/> KH08
Add Cast Member	
DVD Number	Actor Number
F07	MB01
G03	MB01
K01	SK02
K05	SH03
M06	SH03
P02	SH03
204	SK02

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Figure 101 Add Producer button in add DVD page ss3

```
***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP (1000) [ProducerNumber]
  ,[ProducerName]
 FROM [Ropay_DB].[dbo].[Producer]
```

Results

ProducerNumber	ProducerName
AN01	Anurag Kashyap
asdf	asdf
KA02	Karan Johar
KR04	SATYAJIT RAY
SA03	Sanjay Bhansali

Figure 102-Add Producer button in add DVD page ss4

Add Studio button in add DVD page

Objective	To check if the Add Studio button works
Action	Enter Studio number , Studio name and click " Add Studio button".
Expected Result	Provided Studio details should be added with success message .
Actual Result	Provided Studio details was added with success message
Conclusion	Test successful.

Table 40-Add Studio button in add DVD page

User: Manoj Log out

Category Details			Actor Details		
Category Number:			Actor Number:		
Category Description:			First Name:		
Age Restricted:	<input checked="" type="radio"/> True	<input type="radio"/> False	Last Name:		
Add Category			Add Actor		
Category Number	Category Description	Age Restricted	Actor Number	First Name	Last Name
CAN01	A	True	KH08	KARINA	THAPPA
CAN02	B	False	MB01	Manoj	Bajpayee
CAN03	C	False	SH03	Shahid	kapoor
CAN04	D	True	SK02	Sharukh	Khan
CAN05	F	True			

Producer Details		Studio Details		Cast Members	
Producer Number:			Studio Number:		
Producer Name:			Studio Name:		
Add Producer		Add Studio		Add Cast Member	
Loan Number	Loan Type Number	Studio Number	Studio Name	DVD Number	Actor Number
AN01	Anurag Kashyap	AK01	Anurag Kashyap Films	F07	MB01
asdf	asdf	Bhan	AK02	G03	MB01
KA02	Karan Johar	BM02	Balaji Motion Pictures	K01	SK02
KR04	SATYAJIT RAY	BP03	Bhansali Production	K05	SH03
SA03	Sanjay Bhansali			M06	SH03

Added Successfully

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Figure 103-Add Studio button in add DVD page ss1

StudioNumber StudioName

1 AK01	Anurag Kashyap Films
2 Bhan	AK02
3 BM02	Balaji Motion Pictures
4 BP03	Bhansali Production

Figure 104-Add Studio button in add DVD page ss2

User: Manoj

Category Details

Category Number:	<input type="text"/>
Category Description:	<input type="text"/>
Age Restricted:	<input checked="" type="radio"/> True <input type="radio"/> False
Add Category	

Category Number	Category Description	Age Restricted
CAN01	A	True
CAN02	B	False
CAN03	C	False
CAN04	D	True
CAN05	F	True

Actor Details

Actor Number:	<input type="text"/>
First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Add Actor	

Actor Number	First Name	Last Name
KH08	KARINA	THAPPA
MB01	Manoj	Bajpayee
SH03	Shahid	kapoor
SK02	Sharukh	Khan

Producer Details

Producer Number:	<input type="text"/>
Producer Name:	<input type="text"/>
Add Producer	

Added Successfully

Loan Number	Loan Type Number
AN01	Anurag Kashyap
KA02	Karan Johar
KR04	SATYAJIT RAY
SA03	Sanjay Bhansali

Studio Details

Studio Number:	<input type="text"/>
Studio Name:	<input type="text"/>
Add Studio	

Added Successfully

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production
TTM9	SATYAJIT PRODUCTION

Cast Members

DVD Number:	<input type="text" value="F07"/>
Actor Number:	<input type="text" value="KH08"/>
Add Cast Member	

DVD Number	Actor Number
F07	MB01
G03	MB01
K01	SK02
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

Figure 105-Add Studio button in add DVD page ss4

```
SELECT * FROM [Ropey_DB].[dbo].[Studio]
```

StudioNumber	StudioName
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production
TTM9	SATYAJIT PRODUCTION

Figure 106-Add Studio button in add DVD page ss5

Add Cast member button in add DVD page

Objective	To check if the Add Cast member button works
Action	Select DVD number,Actor and click " Add Cast member button".
Expected Result	Provided Cast member details should be added with success message .
Actual Result	Provided Cast member details was added with success message.
Conclusion	Test successful.

Table 41-Add Cast member button in add DVD page

The screenshot shows the 'Add DVD' page interface. On the left, there's a sidebar with various menu items. The main area contains several tables and input fields. A specific section, 'Cast Members', is highlighted with a red box. This section includes dropdown menus for 'DVD Number' (set to F07) and 'Actor Number' (set to KH08), and a 'Add Cast Member' button. Below this, a table lists 'DVD Number' and 'Actor Number' pairs. At the bottom of the page, there's a 'DVD Title' section with dropdown menus for 'Studio Number', 'Producer Number', and 'DVD Title', along with other input fields for 'Date Released', 'Standard Charge', 'Penalty Charge', and 'Category Number'.

Category Number	Category Description	Age Restricted	Actor Number	First Name	Last Name
CAN01	A	True	KH08	KARINA	THAPA
CAN02	B	False	MB01	Manoj	Bajpayee
CAN03	C	False	SH03	Shahid	kapoor
CAN04	D	True	SK02	Sharukh	Khan
CAN05	F	True			

Loan Number	Loan Type Number	Studio Number	Studio Name
AN01	Anurag Kashyap	AK01	Anurag Kashyap Films
asdf	asdf	Bhan	AK02
KA02	Karan Johar	BM02	Balaji Motion Pictures
KR04	SATYAJIT RAY	BP03	Bhansali Production
SA03	Sanjay Bhansali	TTM9	SATYAJIT PRODUCTION

DVD Number	Actor Number
F07	KH08
F07	MB01
G03	MB01
K01	MB01
K01	SK02
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

Figure 107-Add Cast member button in add DVD page ss1

The screenshot shows a web application with several data entry forms:

- DVD Category Management:** A table showing categories with columns: Category Number, Category Description, and Age Restricted. Data includes CAN01 (A, True), CAN02 (B, False), CAN03 (C, False), CAN04 (D, True), and CAN05 (F, True).
- Actor Management:** A table showing actors with columns: Actor Number, First Name, and Last Name. Data includes KH08 (KARINA, THAPA), MB01 (Manoj, Bajpayee), SH03 (Shahid, Kapoor), and SK02 (Sharukh, Khan).
- Producer Details:** Form fields for Producer Number and Producer Name.
- Studio Details:** Form fields for Studio Number and Studio Name.
- Cast Members:** A section with dropdowns for DVD Number (F07) and Actor Number (KH08). Buttons for "Add Cast Member" and "Added Successfully". A table showing cast members with columns: DVD Number and Actor Number. Data includes F07 (KH08), F07 (MB01), G03 (MB01), K01 (MB01), K05 (SH03), M06 (SH03), P02 (SH03), and Z04 (SK02).
- DVD Title Details:** Form fields for DVD Number and Date Released (Day: [] Month: Jan Year: 2018).

Figure 108-Add Cast member button in add DVD page ss2

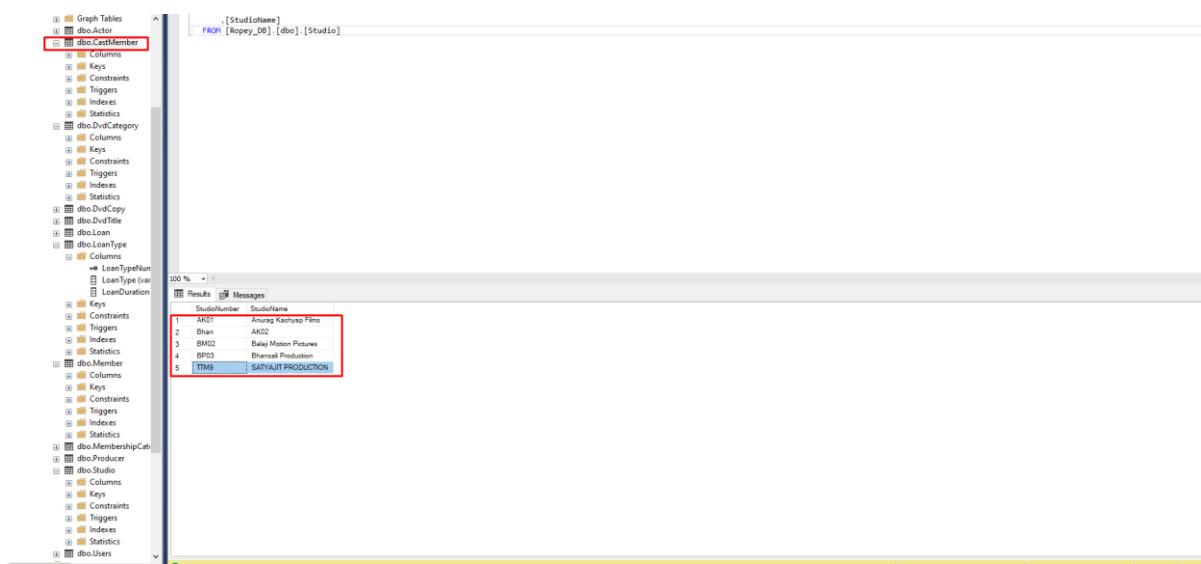


Figure 109-Add Cast member button in add DVD page ss3

The screenshot shows a user interface for managing movie studios and cast members. On the left, there's a sidebar with a logo and links for various sections like 'Q1&2 DVD Titles', 'Q3 Loaned Members', etc. The main area has three tables: 'Producer Details', 'Studio Details', and 'Cast Members'. The 'Cast Members' table includes dropdown menus for 'DVD Number' (set to G03) and 'Actor Number' (set to SH03), with a red box highlighting the 'Add Cast Member' button. Below these are 'Studio Details' and 'DVD Title Details' sections.

Actor Number	First Name	Last Name
KH08	KARINA	THAPA
M801	Manoj	Bajpayee
SH03	Shahid	kapoor
SK02	Sharukh	Khan

Producer Number:	
Producer Name:	
Add Producer	

Loan Number	Loan Type Number
AN01	Anurag Kashyap
asdf	asdf
KA02	Karan Johar
KR04	SATYAJIT RAY
SA03	Sanjay Bhansali

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production
TTM9	SATYAJIT PRODUCTION

DVD Number	Actor Number
F07	KH08
F07	M801
G03	M801
K01	M801
K01	SK02
K05	M801
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

DVD Title Details

DVD Number:
 Studio Number: AK01
 Producer Number: AN01
 Date Released: Day: Month: Jan Year: 2018
 Standard Charge: Per Day
 Penalty Charge: Per Day

Figure 110-Add Cast member button in add DVD page ss4

This screenshot is similar to Figure 110, showing the 'Add Cast member' button being clicked. A red box highlights the 'Added Successfully' message that appears above the 'Cast Members' table. The 'Cast Members' table now includes a new row for G03, SH03.

Actor Number	First Name	Last Name
KH08	KARINA	THAPA
M801	Manoj	Bajpayee
SH03	Shahid	kapoor
SK02	Sharukh	Khan

Producer Number:	
Producer Name:	
Add Producer	

Loan Number	Loan Type Number
AN01	Anurag Kashyap
asdf	asdf
KA02	Karan Johar
KR04	SATYAJIT RAY
SA03	Sanjay Bhansali

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhansali Production
TTM9	SATYAJIT PRODUCTION

DVD Number	Actor Number
F07	KH08
F07	M801
G03	M801
G03	SH03
K01	M801
K01	SK02
K05	M801
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

DVD Title Details

DVD Number:
 Studio Number: AK01
 Producer Number: AN01
 Date Released: Day: Month: Jan Year: 2018
 Standard Charge: Per Day
 Penalty Charge: Per Day

Figure 111-Add Cast member button in add DVD page ss5

The screenshot shows the Object Explorer on the left with a tree view of database objects. A red box highlights the 'dbo.CastMember' object under the 'Tables' node. The 'Script Selection' button is also highlighted with a red box. The 'Results' tab is selected in the center pane, displaying a table with two columns: 'DvdNumber' and 'ActorNumber'. A red box highlights the fourth row, which contains 'G03' and 'SH03'. At the bottom of the results pane, a green status bar says 'Query executed successfully.'

DvdNumber	ActorNumber
F07	KH08
F07	MB01
G03	MB01
G03	SH03
K01	MB01
K01	SK02
K05	MB01
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

Figure 112-Add Cast member button in add DVD page ss6

Add DVD button in add DVD page

Objective	To check if the Add DVD button works
Action	Enter DVD number,Producer number,DVD title,Date released, standard Change,penalty charge,category number and click " Add DVD button".
Expected Result	Provided DVD Title details should be added with success message .
Actual Result	Provided DVD Title details was added added with success message
Conclusion	Test successful.

Table 42-Add DVD button in add DVD page

Loan Number	Loan Type Number	Studio Number	Studio Name	DVD Number	Actor Number
AN01	Anurag Kashyap	AK01	Anurag Kashyap Films	F07	KH08
asdf	asdf	Bhan	AK02	F07	MB01
KA02	Karan Johar	BM02	Balaji Motion Pictures	G03	MB01
KR04	SATYAJIT RAY	BP03	Bhansali Production	G03	SH03
SA03	Sanjay Bhansali	TTM9	SATYAJIT PRODUCTION	K01	MB01

DVD Number	Actor Number
K01	SK02
K05	MB01
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

DVD Title Details

DVD Number: Date Released: Per Day

Studio Number: Standard Charge: Per Day

Producer Number: Penalty Charge: Per Day

DVD Title: Category Number:

Add DVD

DVD Number	Studio Number	Producer Number	DVD Title	Date Released	Standard Charge Per Day	Penalty Charge Per Day	Category Number
F07	AK01	AN01	Family man	10-01-2020 00:00:00	250	50	CAN02
G03	AK01	AN01	Gangs of Wasseypur	03-05-2012 00:00:00	250	40	CAN01
K01	BM02	KA02	Kuch Kuch Hota hai	01-12-2001 00:00:00	250	40	CAN03
K05	BP03	SA03	Kabir Singh	10-10-2021 00:00:00	400	50	CAN01
M06	BM02	KA02	My Name is Khan	10-11-2021 00:00:00	350	50	CAN02
P02	BP03	SA03	Padmavat	12-04-2019 00:00:00	300	50	CAN02
Z04	BM02	KA02	Zero	08-10-2021 00:00:00	300	50	CAN02

Figure 113-Add DVD button in add DVD page ss1

Loan Number	Loan Type Number	Studio Number	Studio Name	DVD Number	Actor Number
AN01	Anurag Kashyap	AK01	Anurag Kashyap Films	F07	KH08
asdf	asdf	Bhan	AK02	F07	MB01
KA02	Karan Johar	BM02	Balaji Motion Pictures	G03	MB01
KR04	SATYAJIT RAY	BP03	Bhansali Production	G03	SH03
SA03	Sanjay Bhansali	TTM9	SATYAJIT PRODUCTION	K01	MB01

DVD Title Details

DVD Number: Date Released: Per Day

Studio Number: Standard Charge: Per Day

Producer Number: Penalty Charge: Per Day

DVD Title: Category Number:

Add DVD

Added Successfully

DVD Number	Studio Number	Producer Number	DVD Title	Date Released	Standard Charge Per Day	Penalty Charge Per Day	Category Number
AAD3	AK01	AN01	RRR	29-01-2018 00:00:00	100	20	CAN01
F07	AK01	AN01	Family man	10-01-2020 00:00:00	250	50	CAN02
G03	AK01	AN01	Gangs of Wasseypur	03-05-2012 00:00:00	250	40	CAN01
K01	BM02	KA02	Kuch Kuch Hota hai	01-12-2001 00:00:00	250	40	CAN03
K05	BP03	SA03	Kabir Singh	10-10-2021 00:00:00	400	50	CAN01
M06	BM02	KA02	My Name is Khan	10-11-2021 00:00:00	350	50	CAN02
P02	BP03	SA03	Padmavat	12-04-2019 00:00:00	300	50	CAN02
Z04	BM02	KA02	Zero	08-10-2021 00:00:00	300	50	CAN02

Figure 114-Add DVD button in add DVD page ss2

Testing Stock DVD page

Objective	To check if the Stock DVD page display required details
Action	Click on “Stock DVD button” from the navbar.
Expected Result	DVD copies in stock for more than a year should be displayed
Actual Result	DVD copies in stock for more than a year was displayed
Conclusion	Test successful.

Table 43-Testing Stock DVD page

The screenshot shows a user interface for managing DVD stock. On the left, a sidebar lists various menu items under 'Ropey DVD's'. The main area displays a table titled 'DVD Copies in stock for more than a Year' with the following data:

Copy Number	DVD Number	Purchased Date
CN02	P02	13-04-2021 00:00:00
CN03	G03	04-05-2020 00:00:00
CN04	Z04	05-05-2020 00:00:00
CN06	Z04	13-11-2019 00:00:00
CN07	F07	08-05-2020 00:00:00

A red button labeled 'Remove Stock DVD' is located at the bottom left of the table.

Figure 115-Testing Stock DVD page ss1

Testing Remove Stock DVD button in Stock DVD page

Objective	To check if the Remove Stock DVD button works.
Action	Click on “Remove Stock DVD button” from the Stock DVD page.
Expected Result	DVD copies in stock for more than a year should be removed.
Actual Result	DVD copies in stock for more than a year was removed
Conclusion	Test successful.

Table 44-Testing Remove Stock DVD button in Stock DVD page

User: Manoj

Log out

DVD Copies in stock for more than a Year

Copy Number	DVD Number	Purchased Date
CN02	P02	13-04-2021 00:00:00
CN03	G03	04-05-2020 00:00:00
CN04	Z04	05-05-2020 00:00:00
CN06	Z04	13-11-2019 00:00:00
CN07	F07	08-05-2020 00:00:00

[Remove Stock DVD](#)

Ropey DVD's

- [Q.1&2 DVD Titles](#)
- [Q.3 Loaned Members](#)
- [Q.4 DVD Details](#)
- [Q.5 Latest Loan](#)
- [Q.6 Issue DVD](#)
- [Q.7 Return DVD](#)
- [Q.8 Members Details](#)
- [Q.9 Add DVD](#)
- [**Q.10 Stock DVD**](#)
- [Q.11 Loan DVD](#)
- [Q.12 Not Loan Members](#)
- [Q.13 Unsold DVD](#)
- [Q.14 Profile](#)

Figure 116-Testing Remove Stock DVD button in Stock DVD page ss1

User: Manoj

Log out

DVD Copies in stock for more than a Year

[Remove Stock DVD](#) [Stock DVDs Deleted](#)

Ropey DVD's

- [Q.1&2 DVD Titles](#)
- [Q.3 Loaned Members](#)
- [Q.4 DVD Details](#)
- [Q.5 Latest Loan](#)
- [Q.6 Issue DVD](#)
- [Q.7 Return DVD](#)
- [Q.8 Members Details](#)
- [Q.9 Add DVD](#)
- [**Q.10 Stock DVD**](#)
- [Q.11 Loan DVD](#)
- [Q.12 Not Loan Members](#)
- [Q.13 Unsold DVD](#)
- [Q.14 Profile](#)

Figure 117-Testing Remove Stock DVD button in Stock DVD page ss2

Testing sort by title button in Loan DVD page

105 | 19031791 19031757 19031816 19031860 19031900

Objective	To check if the Loan DVD button works.
Action	Click on “sort by title button” from the Loan DVD page.
Expected Result	DVD copies details currently on loan should be sort by title.
Actual Result	DVD copies details currently on loan was sort by title.
Conclusion	Test successful.

Table 45-Testing sort by title button in Loan DVD page

User: Samuel

DVD Copies Currently on Loan

Sort by Title Sort by DateOut Show Dvd Details

Total Loans: 5

CopyNumber	FirstName	LastName	DvdTitle	DateOut
CN05	Suraj	Gurung	Kabir Singh	15-03-2020 00:00:00
CN01	Prabesh	Karki	Kuch Kuch Hota hai	15-03-2022 00:00:00
CN01	Suraj	Gurung	Kuch Kuch Hota hai	07-05-2022 00:00:00
CN01	Suraj	Gurung	Kuch Kuch Hota hai	05-05-2022 00:00:00
CN01	Prabesh	Karki	Kuch Kuch Hota hai	05-05-2022 00:00:00

Logout

Navigation menu:

- Ropey DVD's
- Q.3 Loaned Members
- Q.4 DVD Details
- Q.5 Latest Loan
- Q.6 Issue DVD
- Q.7 Return DVD
- Q.8 Members Details
- Q.9 Add DVD
- Q.10 Stock DVD
- Q.11 Loan DVD** (highlighted)
- Q.12 Not Loan Members
- Q.13 Unsold DVD
- Q.14 Profile

Figure 118-Testing sort by title button in Loan DVD page

Testing sort by DateOut button in Loan DVD page

Objective	To check if the sort by DateOut button works.
Action	Click on “sort by DateOut button” from the Loan DVD page.

Expected Result	DVD copies details currently on loan should be sort by DateOut.
Actual Result	DVD copies details currently on loan was sort by DateOut.
Conclusion	Test successful.

Table 46-Testing sort by DateOut button in Loan DVD page

The screenshot shows a web application interface for managing DVD loans. On the left, there's a sidebar with a logo and a list of menu items. The main area is titled 'DVD Copies Currently on Loan' and displays a table of borrowed DVDs. The table has columns for CopyNumber, FirstName, LastName, DvdTitle, and DateOut. The rows are sorted by DateOut, with the latest loans at the top. A red box highlights the last two rows of the table, which correspond to the expected result in the table above.

CopyNumber	FirstName	LastName	DvdTitle	DateOut
CN05	Suraj	Gurung	Kabir Singh	15-03-2020 00:00:00
CN01	Prabesh	Karki	Kuch Kuch Hota hai	15-03-2022 00:00:00
CN01	Prabesh	Karki	Kuch Kuch Hota hai	05-05-2022 00:00:00
CN01	Suraj	Gurung	Kuch Kuch Hota hai	05-05-2022 00:00:00
CN01	Suraj	Gurung	Kuch Kuch Hota hai	07-05-2022 00:00:00

Figure 119-Testing sort by DateOut button in Loan DVD page

Testing show DVD details button in Loan DVD page

Objective	To check if the show DVD details button works.
Action	Click on “show DVD details button” from the Loan DVD page.
Expected Result	DVD copies details currently on loan should be displayed.
Actual Result	DVD copies details currently on loan is displayed.
Conclusion	Test successful.

Table 47-Testing show DVD details button in Loan DVD page

User: Samuel

DVD Copies Currently on Loan

Sort by Title Sort by DateOut Show Dvd Details

Total Loans: 5

CopyNumber	FirstName	LastName	DvdTitle	DateOut
CN01	Prabesh	Karki	Kuch Kuch Hota hai	05-05-2022 00:00:00
CN05	Suraj	Gurung	Kabir Singh	15-03-2020 00:00:00
CN01	Prabesh	Karki	Kuch Kuch Hota hai	15-03-2022 00:00:00
CN01	Suraj	Gurung	Kuch Kuch Hota hai	07-05-2022 00:00:00
CN01	Suraj	Gurung	Kuch Kuch Hota hai	05-05-2022 00:00:00

Log out

Q.182 DVD Titles
Q.3 Loaned Members
Q.4 DVD Details
Q.5 Latest Loan
Q.6 Issue DVD
Q.7 Return DVD
Q.8 Members Details
Q.9 Add DVD
Q.10 Stock DVD
Q.11 Loan DVD
Q.12 Not Loan Members
Q.13 Unsold DVD
Q.14 Profile

Figure 120-Testing show DVD details button in Loan DVD page

Testing Not Loan Members page

Objective	To check if the Not Loan Members page display required details
Action	Click on “Not Loan Members button” from the navbar.
Expected Result	Member details who have not borrowed any DVD in the last 31 days should be displayed
Actual Result	Member details who have not borrowed any DVD in the last 31 days was displayed
Conclusion	Test successful.

Table 48-Testing Not Loan Members page

Member Number	First Name	Last Name	Address	Date Out	DVD Title	Number of days since the last loan
SB7	Bikki	Shah	Damak	9/15/2021 12:00:00 AM	Kabir Singh	235
NP5	Peroj	Nepal	Urlabari	9/18/2020 12:00:00 AM	Kuch kuch hota hai	597
KP6	Prabesh	Karki	Damak	3/15/2022 12:00:00 AM	My Name is Khan	54

Figure 121-Testing Not Loan Members page

Testing Unsold DVD page

Objective	To check if the Unsold DVD page display required details
Action	Click on “Unsold DVD button” from the navbar.
Expected Result	Unsold DVD Titles in last 31 days should be displayed
Actual Result	Unsold DVD Titles in last 31 days was displayed
Conclusion	Test successful.

Table 49-Testing Unsold DVD page

User: Samuel

Log out

Unsold DVD Titles in Last 31 Days

Display No loan last 31 days dvds

DvdTitle	DateOut
Kabir Singh	15-03-2020 00:00:00
Kuch Kuch Hota hai	15-03-2022 00:00:00

Q.1&2 DVD Titles
Q.3 Loaned Members
Q.4 DVD Details
Q.5 Latest Loan
Q.6 Issue DVD
Q.7 Return DVD
Q.8 Members Details
Q.9 Add DVD
Q.10 Stock DVD
Q.11 Loan DVD
Q.12 Not Loan Members
Q.13 Unsold DVD
Q.14 Profile

Figure 122 Testing Unsold DVD page

Testing Add user button in Manager profile page

Objective	To check if the Add user button works
Action	Enter user number,user name,user type,user password and click " Add button".
Expected Result	Provided user details should be added with success message .
Actual Result	Provided user details was added with success message .
Conclusion	Test successful.

Table 50-Testing Add user button in Manager profile page

User: Samuel

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

User Number:	<input type="text" value="01"/>	User Type:	<input type="text" value="Assistant"/>
Username:	<input type="text" value="Yunisha"/>	User Password:	<input type="text" value="yunisha"/>
Add		Update	Delete

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	manoj	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select

Figure 123-Testing Add user button in Manager profile page ss1

User: Samuel

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

User Number:	<input type="text" value="06"/>	User Type:	<input type="text" value="Assistant"/>
Username:	<input type="text" value="Yunisha"/>	User Password:	<input type="text" value="yunisha"/>
Add		Update	Delete

Successfully Added

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	manoj	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select
9	Yunisha	Assistant	yunisha	Select

Figure 124-Testing Add user button in Manager profile page ss2

Testing update user button in Manager profile page

Objective	To check if the update user button works
Action	Select user detail and click "update button".
Expected Result	Provided user details should be updated.
Actual Result	Provided user details was updated.

Conclusion	Test successful.
------------	------------------

Table 51-Testing update user button in Manager profile page

User: Samuel

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	manoj	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select
9	Yunisha	Assistant	yunisha	Select

Add **Update** Delete

Figure 125-Testing update user button in Manager profile page ss1

User: Samuel

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	password	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select
10	Yunisha	Assistant	yunisha	Select

Add **Update** Delete

Figure 126-Testing update user button in Manager profile page ss2

User: Samuel

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

User Number: User Type:

Username: User Password:

Add **Update** **Delete** **User Updated**

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	password	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select
10	Saru	Assistant	yunisha	Select

Figure 127-Testing update user button in Manager profile page ss3

Testing Delete user button in Manager profile page

Objective	To check if the delete user button works
Action	Select user detail and click " delete button".
Expected Result	Provided user details should be deleted.
Actual Result	Provided user details was deleted.
Conclusion	Test successful.

Table 52-Testing Delete user button in Manager profile page

User: Samuel

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

User Number	User Name	User Type	User Password	Status
1	Manoj	Assistant	manoj	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select
9	Yunisha	Assistant	yunisha	Select

Add Update Delete

Logout

Figure 128-Testing Delete user button in Manager profile page ss1

User: Samuel

Change Password

Old Password:

New Password:

Confirm Password:

Change Password

User Details

User Number	User Name	User Type	User Password	Status
1	Manoj	Assistant	manoj	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select

Add Update Delete User Deleted

Logout

Figure 129-Testing Delete user button in Manager profile page ss2

Testing change password in Assistant profile page

Objective	To check if change password button works
Action	Enter Old password, New password, confirm password and click "change password button".
Expected Result	Users Password should be changed.
Actual Result	Users Password is changed.

Conclusion	Test successful.
------------	------------------

Table 53-Testing change password in Assistant profile page

The screenshot shows a web-based application interface for managing DVD titles. On the left, a sidebar lists various menu items: Q.1&2 DVD Titles, Q.3 Loaned Members, Q.4 DVD Details, Q.5 Latest Loan, Q.6 Issue DVD, Q.7 Return DVD, Q.8 Members Details, Q.9 Add DVD, Q.10 Stock DVD, Q.11 Loan DVD, Q.12 Not Loan Members, Q.13 Unsold DVD, and Q.14 Profile. The 'Q.14 Profile' item is highlighted with a red box. The main content area is titled 'Change Password' and contains three input fields: 'Old Password' (containing 'manoj'), 'New Password' (containing 'password'), and 'Confirm Password' (containing 'password'). A red box highlights the 'Change Password' button at the bottom of the form. The top right corner of the main window has a 'Log out' button.

Figure 130-Testing change password in Assistant profile page ss1

User: Manoj

Change Password

Old Password: manoj

New Password: password

Confirm Password: password

Change Password Password Successfully Changed

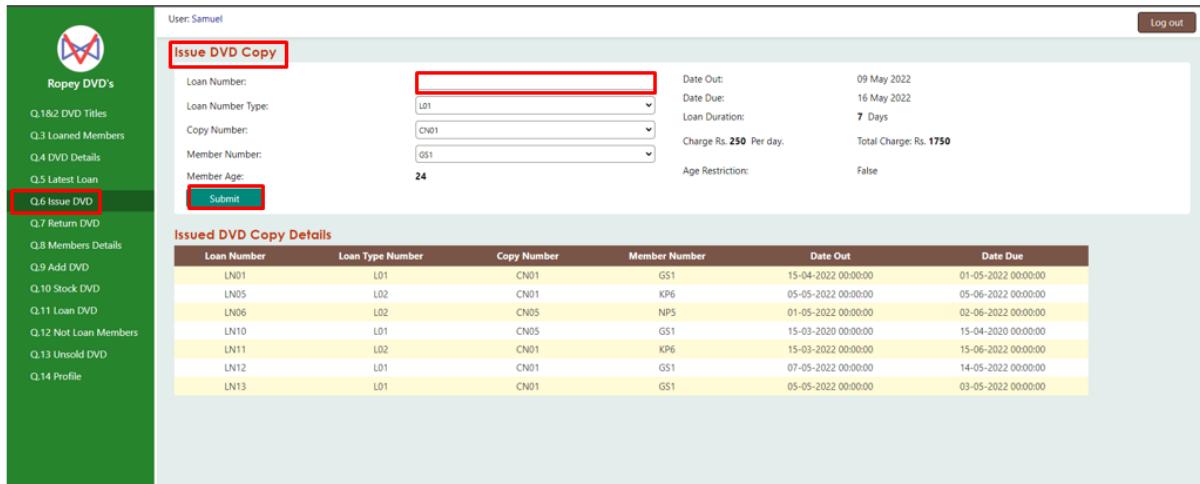
Figure 131-Testing change password in Assistant profile page ss2

Validation

Test empty text fields in Issue DVD page

Objectives	To test the empty text field validation in the Issue DVD page
Action	Trying to add the new issue dvd with empty text fields.
Expected result	The value did not insert while keeping field empty and error message displayes
Actual result	Same as expected Test
result	Test Successful

Table 54-Test empty text fields in Issue DVD page



User: Samuel

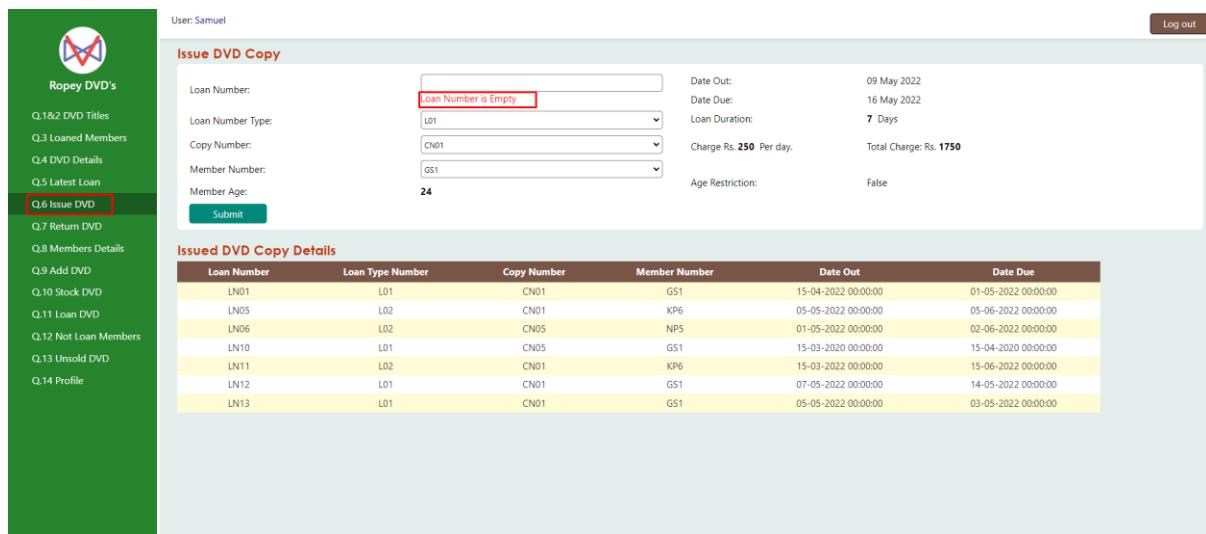
Issue DVD Copy

Loan Number:	<input type="text" value=""/>	Date Out:	09 May 2022
Loan Number Type:	L01	Date Due:	16 May 2022
Copy Number:	CN01	Loan Duration:	7 Days
Member Number:	GS1	Charge Rs. 250 Per day.	Total Charge: Rs. 1750
Member Age:	24	Age Restriction:	False

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	15-04-2022 00:00:00	01-05-2022 00:00:00
LN05	L02	CN01	KP6	05-05-2022 00:00:00	05-06-2022 00:00:00
LN06	L02	CN05	NP5	01-05-2022 00:00:00	02-06-2022 00:00:00
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00

Figure 132-Test empty text fields in Issue DVD page ss1



User: Samuel

Issue DVD Copy

Loan Number:	<input type="text" value="Loan Number is Empty"/>	Date Out:	09 May 2022
Loan Number Type:	L01	Date Due:	16 May 2022
Copy Number:	CN01	Loan Duration:	7 Days
Member Number:	GS1	Charge Rs. 250 Per day.	Total Charge: Rs. 1750
Member Age:	24	Age Restriction:	False

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due
LN01	L01	CN01	GS1	15-04-2022 00:00:00	01-05-2022 00:00:00
LN05	L02	CN01	KP6	05-05-2022 00:00:00	05-06-2022 00:00:00
LN06	L02	CN05	NP5	01-05-2022 00:00:00	02-06-2022 00:00:00
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00

Figure 133-Test empty text fields in Issue DVD page ss2

Test empty text fields in Return DVD page

Objectives	To test the empty text field validation in the Return DVD page
Action	Trying to Return the dvd with empty text fields.
Expected result	The value did not insert while keeping field empty and error message displayes

Actual result	Same as expected Test
result	Test Successful

Table 55-Test empty text fields in Return DVD page

User: Samuel

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00		Select
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00		Select
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00		Select
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00		Select

Return DVD Copy

Loan Number:	<input type="text"/>	Date Duration:	Days
Date Due:	<input type="text"/>	Penalty Charge:	Rs.
Date Return:	<input type="text" value="09 May 2022"/>	Total Penalty Charge:	Rs.

Buttons:

- Update Loan

Figure 134-Test empty text fields in Return DVD page ss1

User: Samuel

Issued DVD Copy Details

Loan Number	Loan Type Number	Copy Number	Member Number	Date Out	Date Due	Date Return	Status
LN10	L01	CN05	GS1	15-03-2020 00:00:00	15-04-2020 00:00:00		Select
LN11	L02	CN01	KP6	15-03-2022 00:00:00	15-06-2022 00:00:00		Select
LN12	L01	CN01	GS1	07-05-2022 00:00:00	14-05-2022 00:00:00		Select
LN13	L01	CN01	GS1	05-05-2022 00:00:00	03-05-2022 00:00:00		Select

Return DVD Copy

Loan Number:	<input type="text" value="Loan Number is not Selected"/>	Date Duration:	Days
Date Due:	<input type="text"/>	Penalty Charge:	Rs.
Date Return:	<input type="text" value="09 May 2022"/>	Total Penalty Charge:	Rs.

Buttons:

- Update Loan

Figure 135-Test empty text fields in Return DVD page ss2

Test empty text fields in Add DVD page

Objectives	To test the empty text field validation in the Add DVD page
Action	Trying to add the new dvd tile details with empty text fields.
Expected result	The value did not insert while keeping field empty and error message displays
Actual result	Same as expected Test
result	Test Successful

Table 56-Test empty text fields in Add DVD page

Ropay DVD's

Q.18&2 DVD Titles
Q.3 Loaned Members
Q.4 DVD Details
Q.5 Latest Loan
Q.6 Issue DVD
Q.7 Return DVD
Q.8 Members Details
Q.9 Add DVD
Q.10 Stock DVD
Q.11 Loan DVD
Q.12 Not Loan Members
Q.13 Unsold DVD
Q.14 Profile

DVD Title Details

DVD Number:	<input type="text"/>	Date Released:	<input type="text"/> Day: <input type="text"/> Month: <input type="text"/> Year: <input type="text"/> 2018 <input type="button" value="Per Day"/>
Studio Number:	<input type="text" value="AK01"/>	Standard Charge:	<input type="text"/>
Producer Number:	<input type="text" value="AN01"/>	Penalty Charge:	<input type="text"/>
DVD Title:	<input type="text"/>	Category Number:	<input type="text" value="CAN01"/>

Add DVD

DVD Number	Studio Number	Producer Number	DVD Title	Date Released	Standard Charge Per Day	Penalty Charge Per Day	Category Number
AAD3	AK01	AN01	RRR	29-01-2018 00:00:00	100	20	CAN01
F07	AK01	AN01	Family man	10-01-2020 00:00:00	250	50	CAN02
G03	AK01	AN01	Gangs of Wasseypur	03-05-2012 00:00:00	250	40	CAN01
K01	BM02	KA02	Kuch Kuch Hota hai	01-12-2001 00:00:00	250	40	CAN03
K05	BP03	SA03	Kabir Singh	10-10-2021 00:00:00	400	50	CAN01
M06	BM02	KA02	My Name is Khan	10-11-2021 00:00:00	350	50	CAN02
P02	BP03	SA03	Padmavat	12-04-2019 00:00:00	300	50	CAN02
Z04	BM02	KA02	Zero	08-10-2021 00:00:00	300	50	CAN02

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Figure 136-Test empty text fields in Add DVD page ss1

Loan Number	Loan Type Number
AN01	Anurag Kashyap
KA02	Karan Johar
KR04	SATYAJIT RAY
SA03	Sanjay Ransali

Studio Number	Studio Name
AK01	Anurag Kashyap Films
Bhan	AK02
BM02	Balaji Motion Pictures
BP03	Bhanali Production
TTM9	SATYAJIT PRODUCTION

DVD Number	Actor Number
F07	KH08
F07	MB01
G03	MB01
G03	SH03
K01	MB01
K01	SK02
K05	MB01
K05	SH03
M06	SH03
P02	SH03
Z04	SK02

DVD Title Details

DVD Number:

Studio Number:

Producer Number:

DVD Title:

Add DVD Please fill all the Text Field

DVD Number	Studio Number	Producer Number	DVD Title	Date Released	Standard Charge Per Day	Penalty Charge Per Day	Category Number
AAD3	AK01	AN01	RRR	29-01-2018 00:00:00	100	20	CAN01
F07	AK01	AN01	Family man	10-01-2020 00:00:00	250	50	CAN02
G03	AK01	AN01	Gangs of Wasseypur	03-05-2012 00:00:00	250	40	CAN01
K01	BM02	KA02	Kuch Kuch Hota hai	01-12-2001 00:00:00	250	40	CAN03
K05	BP03	SA03	Kabir Singh	10-10-2021 00:00:00	400	50	CAN01
M06	BM02	KA02	My Name is Khan	10-11-2021 00:00:00	350	50	CAN02
P02	BP03	SA03	Padmavat	12-04-2019 00:00:00	300	50	CAN02
Z04	BM02	KA02	Zero	08-10-2021 00:00:00	300	50	CAN02

Figure 137-Test empty text fields in Add DVD page ss2

Test empty text fields in profile page

Objectives	To test the empty text field validation while add users details and changing password
Action	Trying to add the new users details and changing password with empty text fields.
Expected result	The value did not insert while keeping field empty and error message displays
Actual result	Same as expected Test
result	Test Successful

Table 57-Test empty text fields in profile page

User: Samuel

Change Password

Old Password:	<input type="text"/>
New Password:	<input type="text"/>
Confirm Password:	<input type="text"/>

Change Password

User Details

User Number:	<input type="text"/>	User Type:	<input type="text"/>
Username:	<input type="text"/>	User Password:	<input type="text"/>

Add **Update** **Delete**

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	password	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select
10	Saru	Assistant	yunisha	Select

Figure 138-Test empty text fields in profile page ss1

User: Samuel

Change Password

Old Password:	<input type="text"/>
New Password:	<input type="text"/>
Confirm Password:	<input type="text"/>

Change Password **Please fill all the text fields.**

User Details

User Number:	<input type="text"/>	User Type:	<input type="text"/>
Username:	<input type="text"/>	User Password:	<input type="text"/>

Add **Update** **Delete** **Please fill all the text fields.**

UserNumber	UserName	UserType	UserPassword	Status
1	Manoj	Assistant	password	Select
2	Pravat	Assistant	pravat	Select
3	Rakish	Assistant	rakish	Select
4	Unisha	Assistant	unisha	Select
5	Samuel	Manager	samuel	Select
10	Saru	Assistant	yunisha	Select

Figure 139-Test empty text fields in profile page ss2

Test empty text fields in login page

Objectives	To test the empty text field validation in the login page
Action	Trying to login with empty text fields.
Expected result	The user cannot log in while keeping field empty and error message displays
Actual result	Same as expected Test
result	Test Successful

Table 58-Test empty text fields in login page

The image shows a login interface for a website called "Ropey DVD's". On the left, there is a green logo featuring a stylized "M" or "W" shape composed of red and blue lines, with the text "Ropey DVD's" below it. The main login area has a light beige background. It contains the following elements:

- Login to the System**: The title of the form.
- Username:** A text input field which is currently empty and highlighted with a red border.
- Password:** A text input field which is currently empty and highlighted with a red border.
- User type:** A dropdown menu set to "Assistant".
- Remember Me?**: A checked checkbox.
- Log In**: A large green rectangular button with white text.

Figure 140-Test empty text fields in login page ss1



Ropey DVD's

Login to the System

Username:

The username is empty!!

Password:

The password is empty!!

Usertype:

Assistant

Remember Me?

Log In

Figure 141 -Test empty text fields in login page ss2

9. Appendix

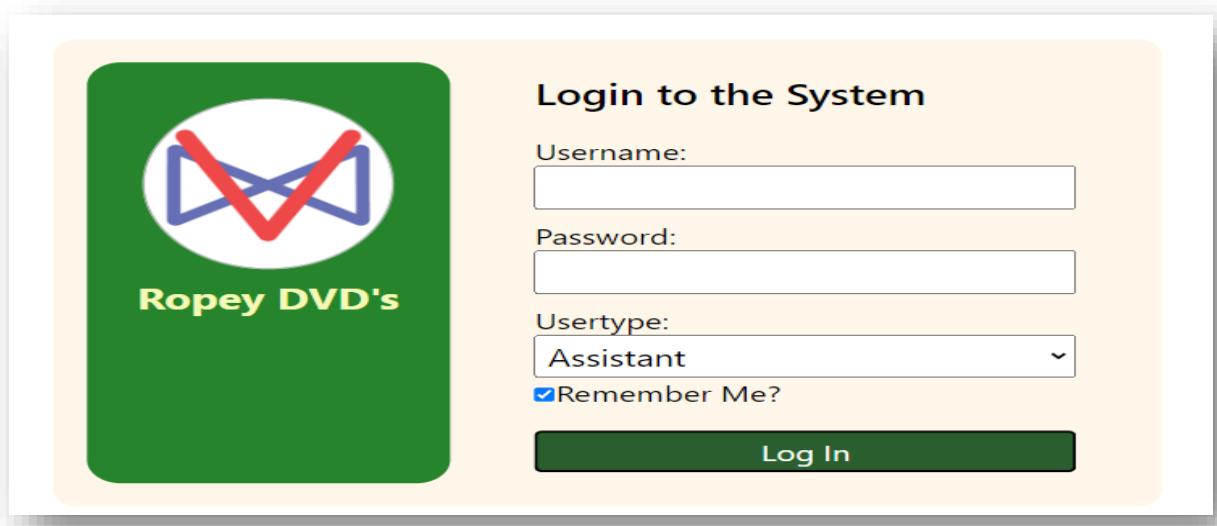
9.1. Testing Assistant Login Page

Table 59 Testing Assistant Login Page

Objective	To check if the Assistant login page works when a user logs in
Action	Enter valid User name and password
Expected Result	The Assistant should be logged In and the dashboard is displayed
Actual Result	The Assistant is logged In and the dashboard is displayed
Conclusion	Test successful.

	UserNumber	UserName	UserType	UserPassword
1	1	Manoj	Assistant	manoj
2	2	Pravat	Assistant	pravat
3	3	Rakish	Assistant	rakish
4	4	Unisha	Assistant	unisha
5	5	Samuel	Manager	samuel

Figure 142 Assistant credentials in Database



The login page features a logo on the left with a green background, white circle, and red/blue abstract shapes. Below the logo, the text "Ropey DVD's" is displayed in yellow. To the right, the heading "Login to the System" is centered above a form area. The form includes fields for "Username" (text input), "Password" (text input), "Usertype" (dropdown menu set to "Assistant"), and a checked "Remember Me?" checkbox. A large green "Log In" button is at the bottom.

Figure 143 Login Page

Login to the System

Username:

Password:

User type:

Remember Me?

Log In

Figure 144 Testing Login Button

User: Manoj

Log out

Select a Member LastName and view the title and copy number of a DVD that had been loaned in the last 31 days.

Last Name	DVD Title	Copy Number
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01
Gurung	Kuch Kuch Hota hai	CN01

Figure 145 Login Success

9.2. Manager login page

Table 60 Manager Login Page

Objective	To check if the Manager login page works when a user logs in
Action	Enter valid User name and password
Expected Result	The Manager should be logged In and the dashboard is displayed
Actual Result	The Manager is logged In and the dashboard is displayed
Conclusion	Test successful.