

Cinema-Booking

Supervisor: *LÊ THANH NHÂN*

Semester: *II*

Batch No: *T1.2206.E1*

Group No: *2*

| Order: | Full name | Roll No. |
|--------|-------------------------|-----------------------|
| 1. | <i>Lê Viết Đông</i> | <i>Student1390589</i> |
| 2. | <i>Huỳnh Tấn Phước</i> | <i>Student1387826</i> |
| 3. | <i>Nguyễn Nhật Minh</i> | <i>Student1390586</i> |
| 4. | <i>Trần Thụ Huy</i> | <i>Student1387816</i> |

Month:3 Year:2023

This is to certify that

Mr. _____ **Lê Viết Đông**

Mr. _____ **Huỳnh Tấn Phước**

Mr. _____ **Nguyễn Nhật Minh**

Mr. _____ **Trần Thụ Huy**

Have successfully Designed & Developed

Cinema-Booking

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

Synopsis

Review1 (điền số trang theo thực tế)

Review2 (điền số trang theo thực tế)

Review3 (điền số trang theo thực tế)

Testting Document (điền số trang theo thực tế)

Final Checklist (điền số trang theo thực tế)

Tasksheet (điền số trang theo thực tế)

Acknowledge

We understand that the Project is a step-by-step learning environment that closely simulates a classroom and lab-based learning experience, bringing it to life in actual implementation. It's a project at your fingertips! An electronic, live junction on the machine that allows you to:

- ✓ Practice a ladder approach to step-by-step learning
- ✓ Build a larger, more robust application
- ✓ Use certain utilities in applications designed by the user
- ✓ Develop a single program into a unified code that leads to a complete application
- ✓ Learn the implementation of concepts in a phased manner
- ✓ Enhance skills and add value
- ✓ Work on real-life projects
- ✓ Provide a real-life scenario and help to create more complicated and useful applications
- ✓ Receive mentoring through email support

We'd like to express our heartfelt thanks to our professor, Mr. Le Thanh Nhan, and the other students for their invaluable support during the project. Despite the several mistakes we made, we hope to have more opportunities to broaden our knowledge in the web development world. We also thank you for sharing your information and the "demo" project from India APTECH, which helped us gain more practical experience in this project. With the experience gained from this project, we won't stop learning anything that can make us more successful in the future.

Sincerely yours,

Team Group 02.

Synopsis

The objective of our program is to provide a desktop application for managing bookings, purchasing products, and data entry, specifically designed for use by counter employees and administrators. Our aim is to create a real-world scenario where we can apply our knowledge and skills, in order to build a larger, more robust application.

While the primary objective is not to teach us front-end or back-end technology, the project will provide an opportunity to work with various tools and gain practical experience. This project is meant for students like us who have completed the necessary coursework and have a foundational understanding of Java programming.

In order to complete the project successfully, we will work in a lab setting with the assistance of our faculty as needed. The application we develop will serve as a comprehensive solution for managing bookings, purchasing products, and data entry, tailored to meet the needs of our target users.

Through this project, we will learn how to apply the concepts we've studied in a real-world context, enhancing our skills and adding value to our educational experience. We will also gain experience working on a real-life project, which will help us in our future

Review 01

| | | |
|---------------------------------------|--|---------------------------------|
| Design Plan: Cinema-Booking | Document Name: Problem Definition | SWD/Form No.01/PD/Ver1.0 |
| Effective Date: 21/3/2023 | Version 1.0 | Page No: 1 of 43 |

Problem Definition

The current booking and product management process at our organization is manual and time-consuming, requiring significant effort from counter employees and administrators. There are several issues with the existing process, including:

- Lack of real-time information;
- Inefficiencies in the booking process;
- No centralized system for product management;
- Limited reporting and analysis capabilities.

To address these issues, we propose the development of a desktop application that will streamline the booking and product management process, providing a centralized database for storing information and automating many of the manual processes currently in place. The application will be designed to be user-friendly and intuitive, allowing counter employees and administrators to easily perform their duties and access relevant information. Additionally, the application will include reporting and analysis capabilities, providing valuable insights into the performance of the organization over time. Overall, this application will help our organization to operate more efficiently and effectively, improving the customer experience and increasing revenue.

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| | Prepared by (Student) Project Group No:2 | Approved by (Faculty) LE THANH NHAN |
| Signature | | |
| Date | | |

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|--|---|----------------------------------|
| Design Plan: Cinema-Booking | Document Name: Customer Requirements Specifications | SWD/Form No.02/CRS/Ver1.0 |
| Effective Date: 3/21/2023 | Version 1.0 | Page No: 2 of 43 |

Customer Requirements Specifications

➤ Admin:

- Input Data:

- ✓ Employee
- ✓ Actor, Film
- ✓ Schedule

- Process:

- ✓ Add / edit / delete all of input's data
- ✓ Change account's information
- ✓ Export report for working session of employee, statistical of Film, Product, Ticket

- Output:

- ✓ Notification to add / edit / delete items success / failure
- ✓ Excel file

➤ Employee:

- Input Data

- ✓ Customer
- ✓ Order' data of customer

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| Date | | |

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| Design Plan: Cinema-Booking | Document Name: Customer Requirements Specifications | SWD/Form No.02/CRS/Ver1.0 |
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- Process
 - ✓ Customer registration data
 - ✓ Search the information of Film, Ticket, Customer, Product and then,
 - ✓ Booking for customer
 - ✓ Manage order's data
- Ouput
 - ✓ Notification of booking process
 - ✓ Bill for customer

Hardware / software requirement

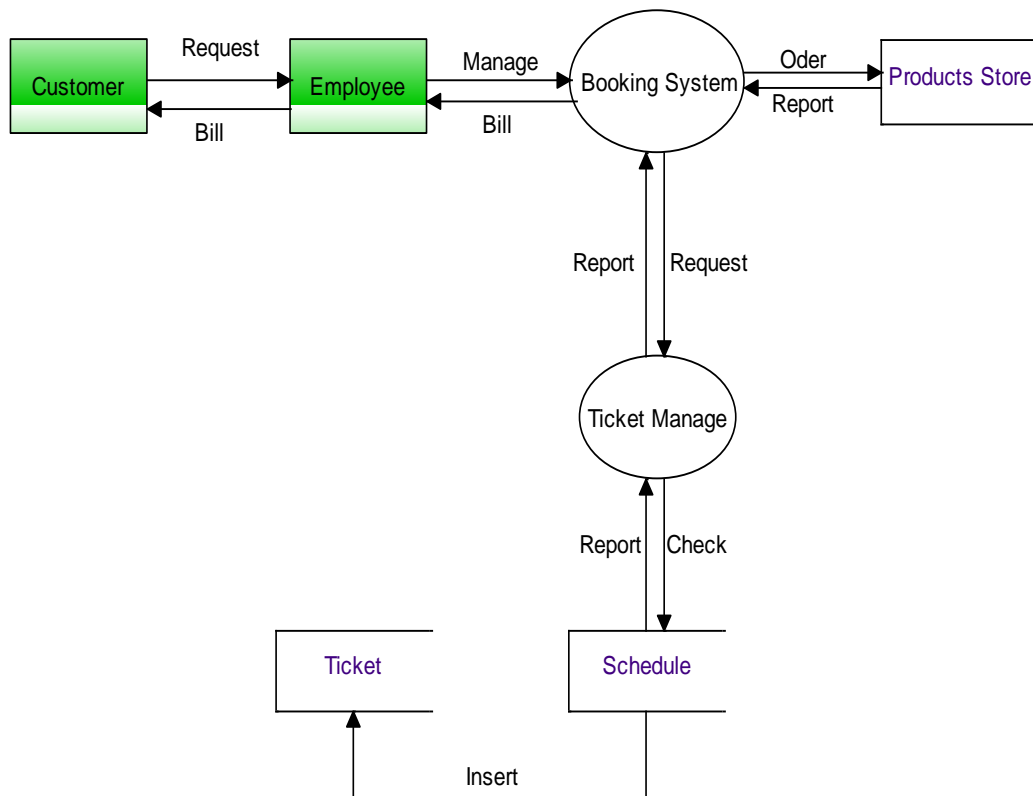
| Sr. | Item | Description |
|-----|------------------|---|
| 1. | Operating system | Windows 7, 8, or higher |
| 2. | Hardware | CPU Cores or better with 2 Gigabytes of RAM or better |
| 3. | Fonts | Standard font Unicode: Arial, Tahoma, Lucida Console, Times New Roman, etc... |

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Review 02

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|---------------------------------------|---|----------------------------------|
| Design Plan: Cinema-Booking | Document Name: Data Flow Diagram | SWD/Form No.03/DFD/Ver1.0 |
| Effective Date: 3/21/2023 | Version 1.0 | Page No: 5 of 43 |

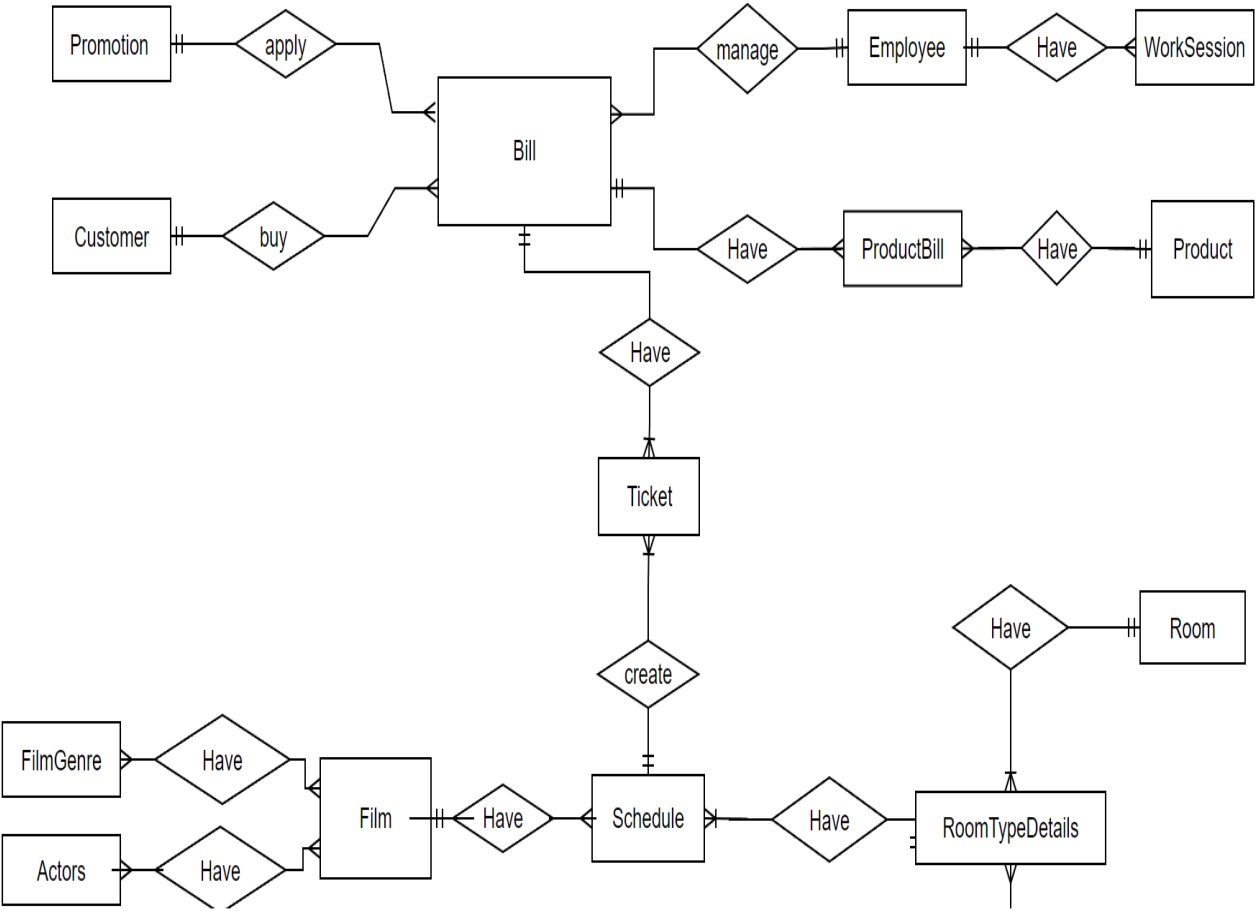
Data Flow Diagram



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| | Prepared by (Student) | Approved by (Faculty) |
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| Date | | |

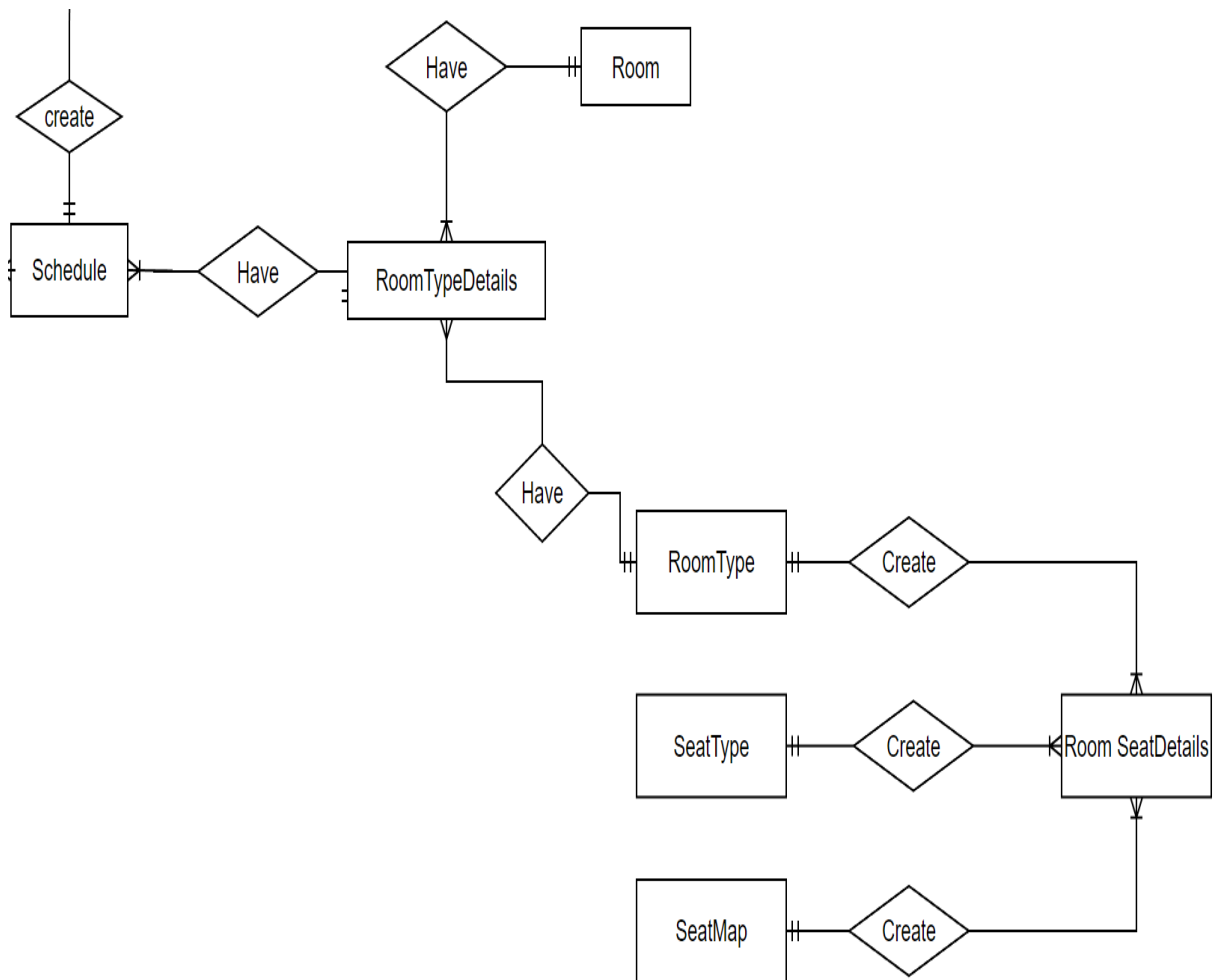
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| Design Plan: Cinema-Booking | Document Name: Entity Relationship Diagram | SWD/Form No.04/ERD/Ver1.0 |
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A. Entity Relationship Diagram



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| Date | | |

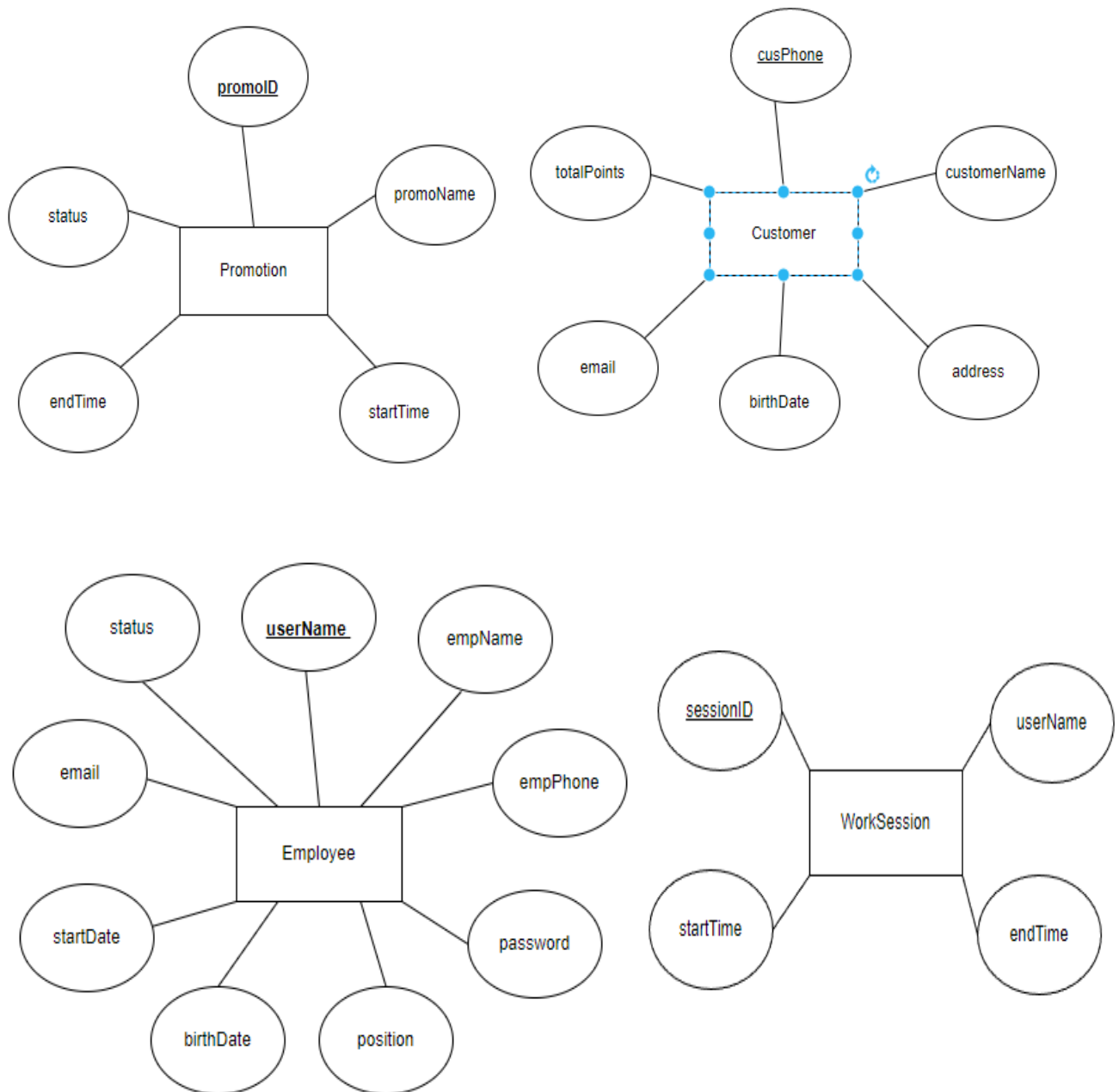
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| Design Plan: Cinema-Booking | Document Name: Entity Relationship Diagram | SWD/Form No.04/ERD/Ver1.0 |
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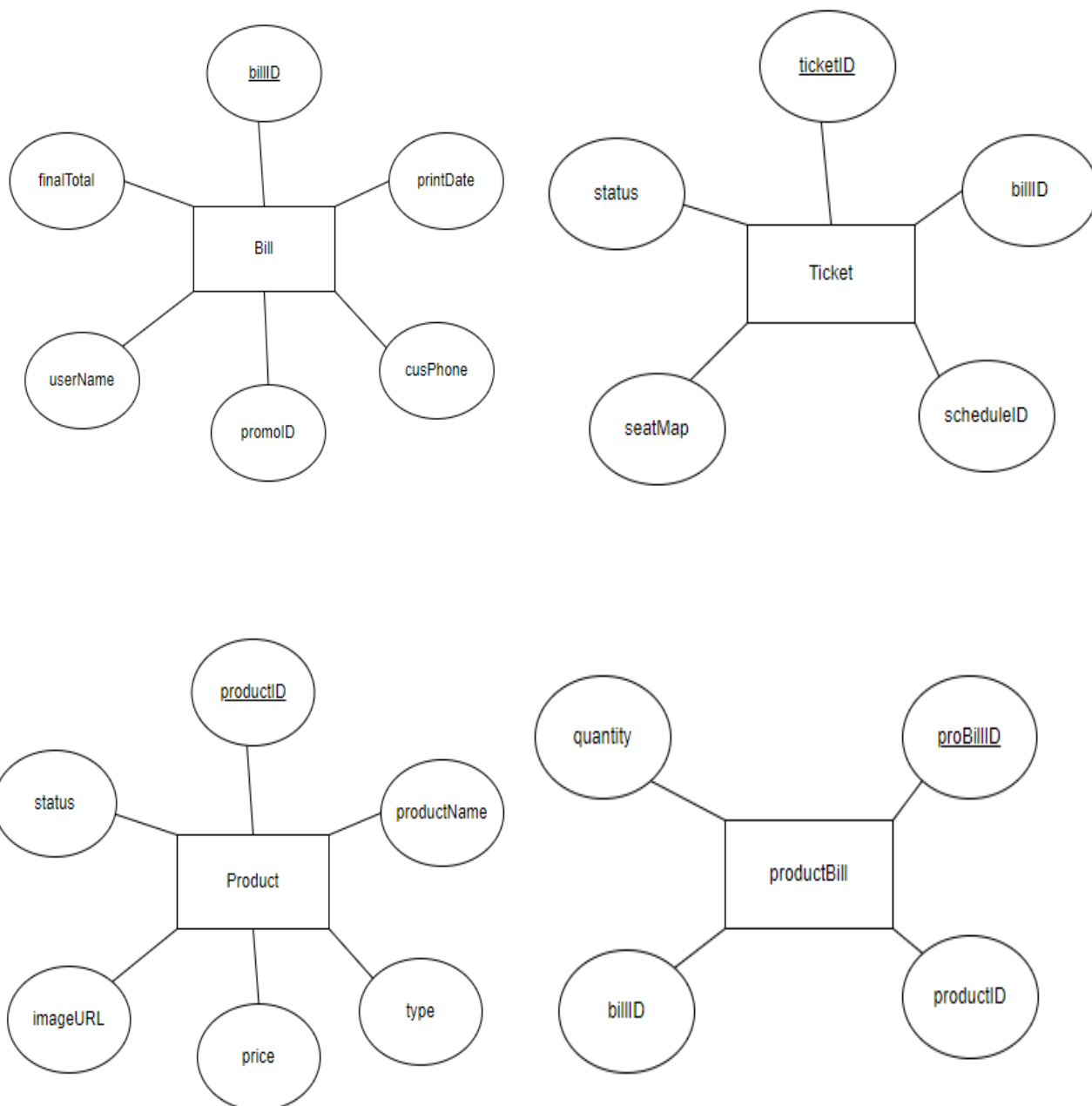
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| Design Plan: Cinema-Booking | Document Name: Entity Relationship Diagram | SWD/Form No.04/ERD/Ver1.0 |
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B. Entity Attributes



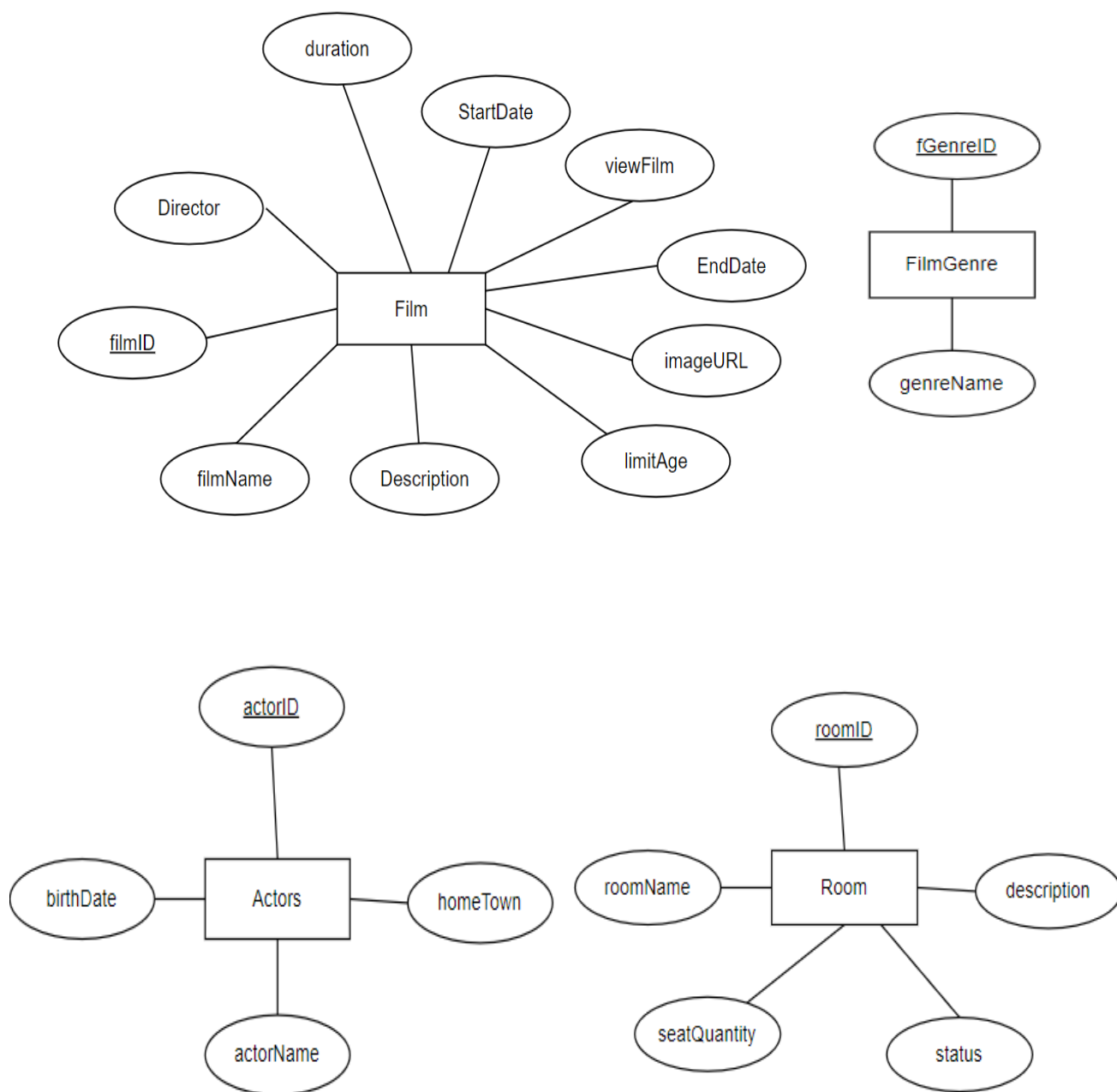
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| Design Plan: Cinema-Booking | Document Name: Entity Relationship Diagram | SWD/Form No.04/ERD/Ver1.0 |
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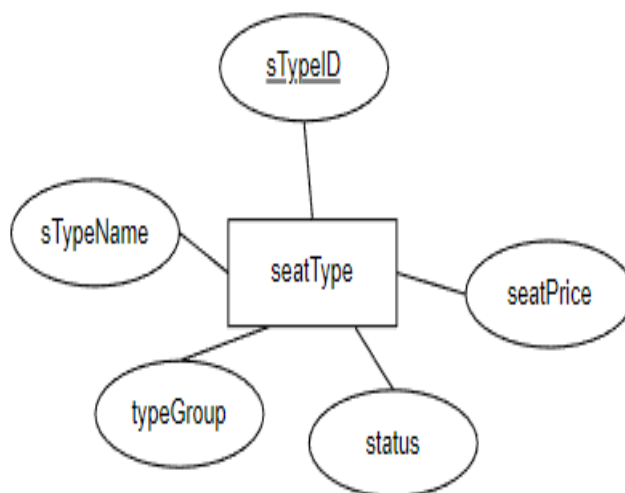
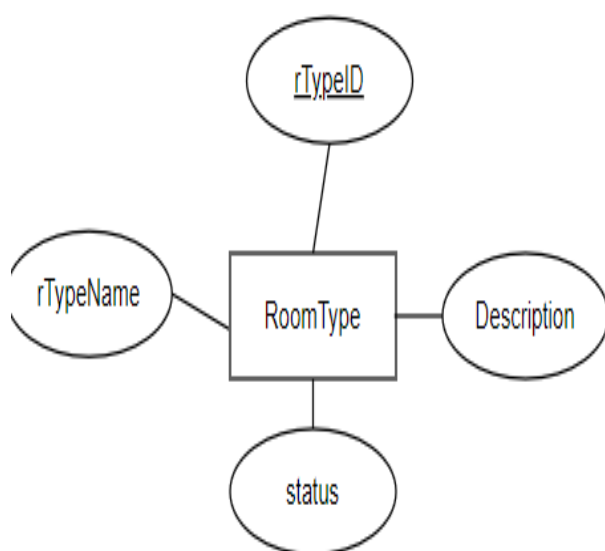
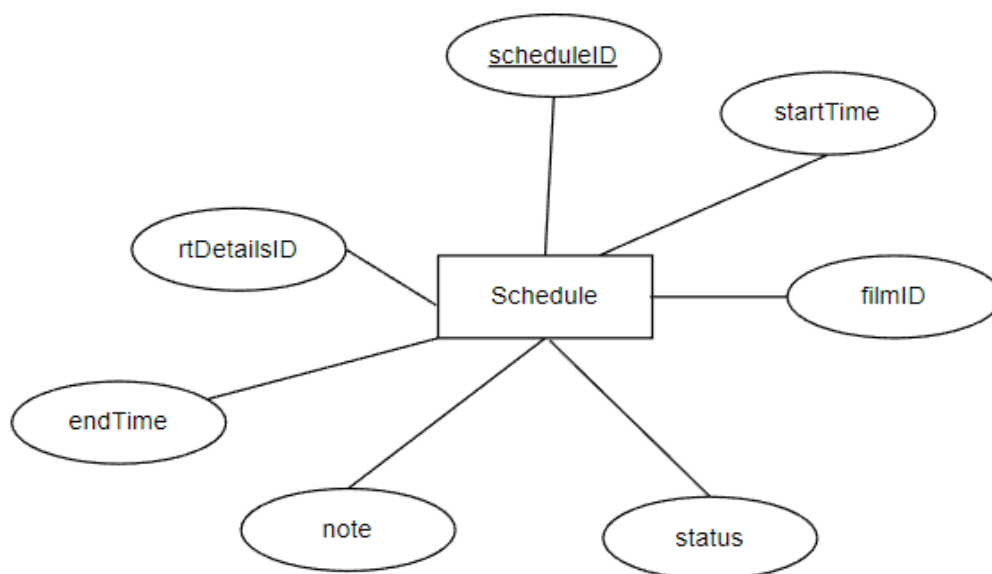
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| Design Plan: Cinema-Booking | Document Name: Entity Relationship Diagram | SWD/Form No.04/ERD/Ver1.0 |
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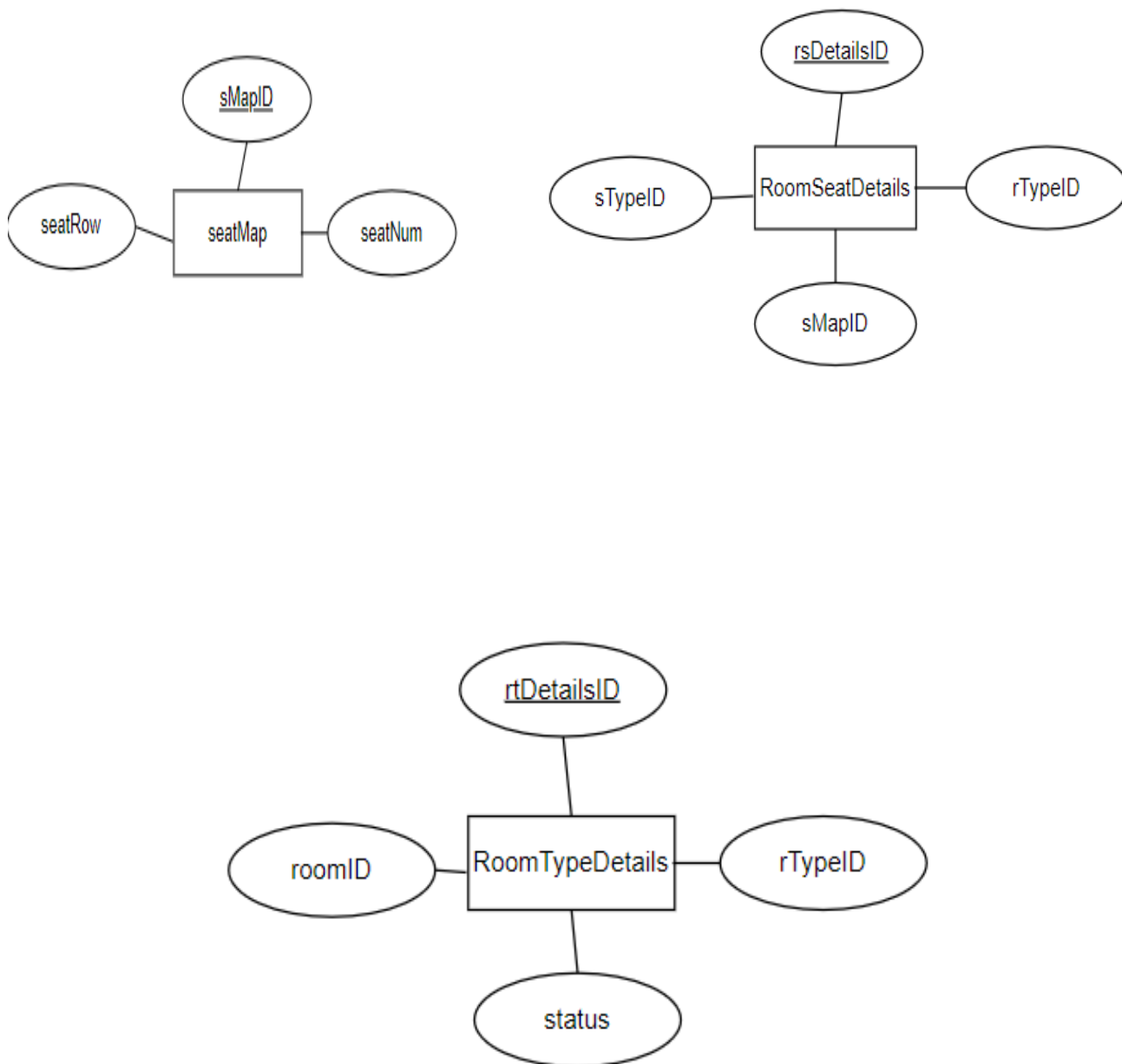
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| Design Plan: Cinema-Booking | Document Name: Entity Relationship Diagram | SWD/Form No.04/ERD/Ver1.0 |
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| Design Plan: Cinema-Booking | Document Name: Entity Relationship Diagram | SWD/Form No.04/ERD/Ver1.0 |
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| Design Plan: Cinema-Booking | Document Name: Table Design | SWD/Form No.05/TAB/Ver1.0 |
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A. Table Design

| Promotion | | | | | |
|-----------|----------------|-----------|-------------|-------------|--|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>promoID</u> | int | Primary key | not null | A unique code assigned to each promotion in the table. |
| 2 | promoName | varchar() | | null | The name of the promotion (optional). |
| 3 | startTime | datetime | | null | The start time of the promotion. |
| 4 | endTime | datetime | | null | The end time of the promotion. |
| 5 | status | bit | | null | The status of the promotion (optional). |

| Customer | | | | | |
|----------|-----------------|-----------|-------------|-------------|---|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>cusPhone</u> | varchar() | Primary key | not null | The customer's phone number. |
| 2 | customerName | varchar() | | not null | The name of the customer. |
| 3 | address | varchar() | | | The customer's address. |
| 4 | birthDate | date | | | The customer's birth date. |
| 5 | email | varchar() | | | The customer's email address. |
| 6 | totalPoints | int | | | The total number of loyalty points accumulated by the customer. |

| Bill | | | | | |
|------|----------------|-----------|-------------|-------------|--|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>billID</u> | int | Primary key | not null | A unique code assigned to each bill in the table. |
| 2 | printDate | datetime | | | The date on which the bill was printed. |
| 3 | cusPhone | varchar() | Foreign key | | The customer's phone number. |
| 4 | promoID | int | Foreign key | | The unique code of the promotion applied to the bill (optional). |
| 5 | userName | varchar() | Foreign key | | The name of the user who printed the bill. |
| 6 | exchangePoints | float | | | The final total amount to be paid after any discounts or promotions are applied. |

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| Design Plan: Cinema-Booking | Document Name: Table Design | SWD/Form No.05/TAB/Ver1.0 |
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| Employee | | | | | |
|----------|-----------------|-----------|-------------|-------------|---|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>userName</u> | varchar() | Primary key | not null | The username used by the employee to log in. |
| 2 | empName | varchar() | | not null | The name of the employee. |
| 3 | empPhone | varchar() | | | The phone number of the employee. |
| 4 | password | varchar() | | not null | The password used by the employee to log in |
| 5 | position | varchar() | | not null | The job position of the employee. |
| 6 | birthDate | date | | | The birth date of the employee. |
| 7 | startDate | date | | | The start date of the employee's employment. |
| 8 | email | varchar() | | | The email address of the employee. |
| 9 | status | bit | | | The status of the employee, such as "active" or "inactive". |

| WorkSession | | | | | |
|-------------|------------------|-----------|-------------|-------------|--|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>sessionID</u> | varchar() | Primary key | not null | A unique code assigned to each session in the table. |
| 2 | userName | varchar() | Foreign key | | The username of the user who started the session. |
| 3 | startTime | date | | | The start time of the session. |
| 4 | endTime | date | | | The end time of the session. |

| productBill | | | | | |
|-------------|------------------|-----------|-------------|-------------|---|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>proBillID</u> | varchar() | Primary key | not null | A unique code assigned to each product in the bill. |
| 2 | productID | varchar() | Foreign key | | The ID of the product. |
| 3 | billID | int | Foreign key | | The ID of the bill to which the product belongs. |
| 4 | quantity | int | | | The quantity of the product purchased. |

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| Design Plan: Cinema-Booking | Document Name: Table Design | SWD/Form No.05/TAB/Ver1.0 |
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| Product | | | | | |
|---------|------------------|-----------|-------------|-------------|---|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>productID</u> | varchar() | Primary key | not null | The unique ID assigned to each product in the table. |
| 2 | productName | varchar() | | not null | The name of the product. |
| 3 | type | varchar() | | | The category or type of the product. |
| 4 | price | decimal | | | The price of the product. |
| 5 | status | bit | | | The status of the product, such as "available" or "out of stock". |

| Ticket | | | | | |
|--------|-----------------|-----------|-------------|--------------------|--|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>ticketID</u> | int | Primary key | (identity), n.null | A unique code assigned to each ticket in the table. |
| 2 | billID | int | Foreign key | | The ID of the bill for which the ticket was purchased. |
| 3 | scheduleID | varchar() | Foreign key | | The ID of the schedule for which the ticket was purchased. |
| 4 | seatMap | varchar() | | | The seat number and location of the ticket |
| 5 | status | bit | | | The status of the ticket, such as "booked" or "canceled". |

| SeatType | | | | | |
|----------|----------------|-----------|-------------|-------------|--|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>sTypeID</u> | varchar() | Primary key | not null | The unique ID assigned to each seat type in the table. |
| 2 | sTypeName | varchar() | | | The name of the seat type, such as "VIP" or "Standard". |
| 3 | typeGroup | varchar() | | | The group to which the seat type belongs. |
| 4 | seatPrice | int | | | The price of the seat type. |
| 5 | staus | bit | | | The status of the seat type, such as "active" or "inactive". |

| SeatMap | | | | | |
|---------|---------------|-----------|-------------|-------------|--|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>sMapID</u> | varchar() | Primary key | not null | The unique ID assigned to each seat in the seat map table. |
| 2 | seatRow | varchar() | | | The row number of the seat. |
| 3 | seatNum | int | | | The seat number within the row. |

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| Design Plan: Cinema-Booking | Document Name: Table Design | SWD/Form No.05/TAB/Ver1.0 |
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| RoomSeatDetails | | | | | |
|-----------------|--------------------|-----------|-------------|-------------|---|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>rsDetailsID</u> | varchar() | Primary key | not null | The unique ID assigned to each reservation detail in the table. |
| 2 | rTypeID | varchar() | Foreign key | | The ID of the reservation type to which the detail belongs. |
| 3 | sTypeID | varchar() | Foreign key | | The ID of the seat type reserved. |
| 4 | sMapID | varchar() | Foreign key | | The ID of the seat in the seat map reserved. |

| Film | | | | | |
|------|---------------|--------------|-------------|-------------|---------------------|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>filmID</u> | varchar(10) | Primary Key | Not null | Film Identification |
| 2 | limitAge | int | | Not null | Limit Age |
| 3 | startDate | date | | Not null | Film's start date |
| 4 | endDate | date | | Not null | Film's End Date |
| 5 | duration | int | | not null | Film' duration |
| 6 | description | varchar(255) | | null | Film's description |
| 7 | imageURL | varchar(255) | | not null | Film's Image |
| 8 | director | varchar(50) | | null | Film's director |
| 9 | viewFilm | int | | null | Film's view |
| 10 | filmName | varchar(100) | | Not null | Film's Name |

| Actors | | | | | |
|--------|----------------|--------------|-------------|--------------------|-------------------------|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>actorID</u> | int | Primary Key | Not null, identity | Actors's Identification |
| 2 | actorName | varchar(100) | | Not null | Actors's Name |
| 3 | birthDate | date | | null | Actors's birthday |
| 4 | homeTown | varchar(100) | | null | Actors's home town |

| FilmGenre | | | | | |
|-----------|-----------------|--------------|-------------|--------------------|-----------------------------|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>fGenreID</u> | int | Primary Key | Not null, identity | Film Genre's Identification |
| 2 | fGenreName | varchar(100) | | Not null | Film Genre's Name |

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| Design Plan: Cinema-Booking | Document Name: Table Design | SWD/Form No.05/TAB/Ver1.0 |
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| Schedule | | | | | |
|----------|-------------------|--------------|-------------|-------------|------------------------------------|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>scheduleID</u> | varchar(20) | Primary Key | Not null | Schedule's Identification |
| 2 | filmID | varchar(10) | Foreign Key | Not null | Film's Identification |
| 3 | rtDetailsID | int | Foreign Key | Not null | Room Type Details's Identification |
| 4 | startTime | datetime | | | Start Time of Film |
| 5 | endTime | datetime | | | End Time of Film |
| 6 | note | varchar(255) | | null | Schedule's note |
| 7 | status | bit | | not null | Schedule's status |

| Room | | | | | |
|------|---------------|--------------|-------------|-------------|-----------------------|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>roomID</u> | varchar(10) | Primary Key | Not null | Room's Identification |
| 2 | roomName | varchar(100) | | Not null | Room's Identification |
| 3 | seatQuanlity | int | | null | Quanlity of Seat |
| 4 | description | varchar(100) | | null | Room's description |
| 5 | status | bit | | not null | Room's status |

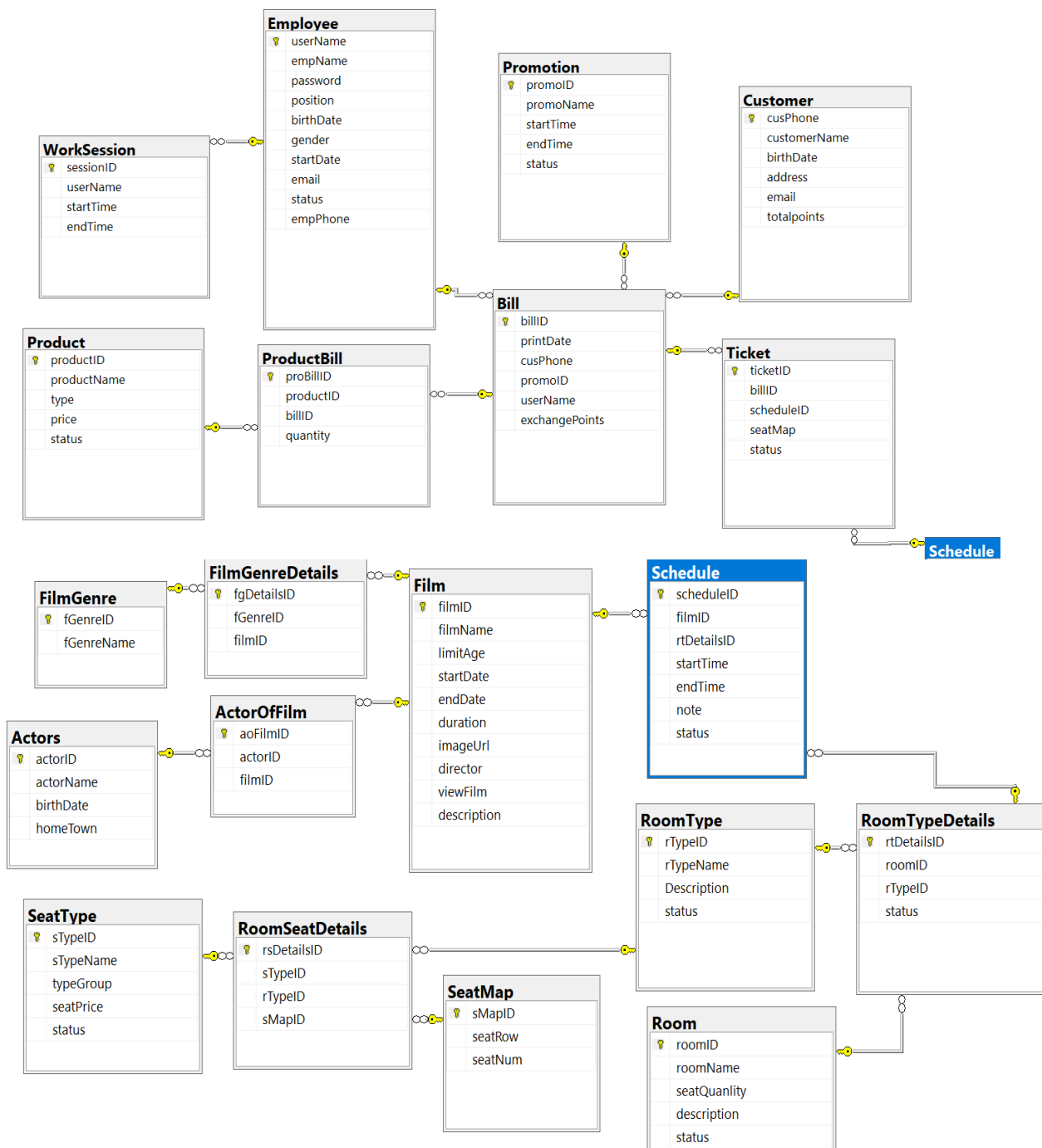
| Room Type | | | | | |
|-----------|----------------|--------------|-------------|-------------|-------------------------|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>rTypeID</u> | varchar(10) | Primary Key | not null | ID's Room Type |
| 2 | rTypeName | varchar(100) | | not null | Name's Room Type |
| 3 | description | varchar | | | Description's Room Type |
| 4 | status | bit | | null | status's Room Type |

| RoomTypeDetails | | | | | |
|-----------------|--------------------|-------------|-------------|-------------|----------------------------|
| STT | Column Name | Data type | Keys | Constraints | Description |
| 1 | <u>rtDetailsID</u> | int | Primary Key | not null | ID's Room Type Details |
| 2 | roomID | varchar(10) | Foreign Key | null | ID's Room |
| 3 | rTypeID | varchar(10) | Foreign Key | null | ID's Room Type |
| 4 | status | bit | | null | status's Room Type Details |

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| Design Plan: Cinema-Booking | Document Name: Table Design | SWD/Form No.05/TAB/Ver1.0 |
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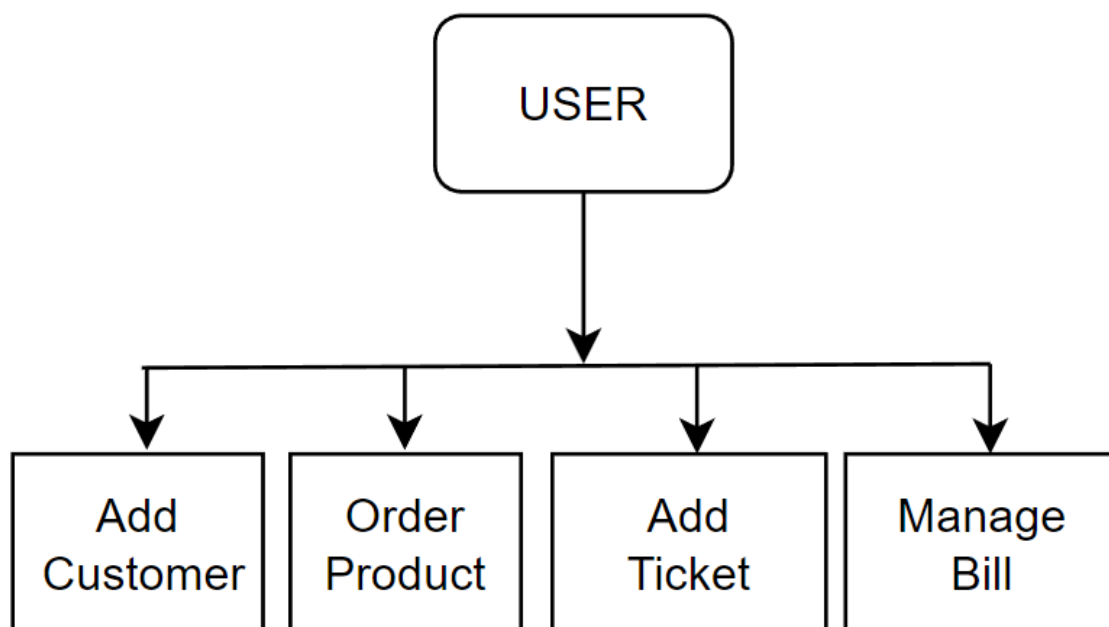
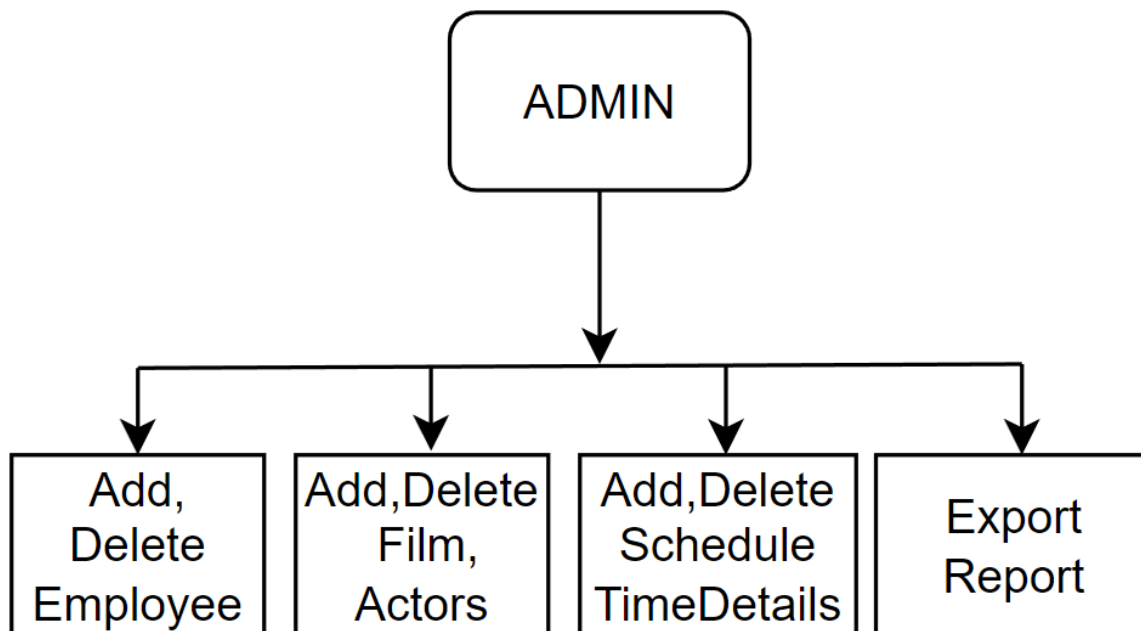
B. Relationship Diagram



| | | |
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| Design Plan: Cinema-Booking | Document Name: Algorithm | SWD/Form No.07/ALG/Ver1.0 |
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Algorithm



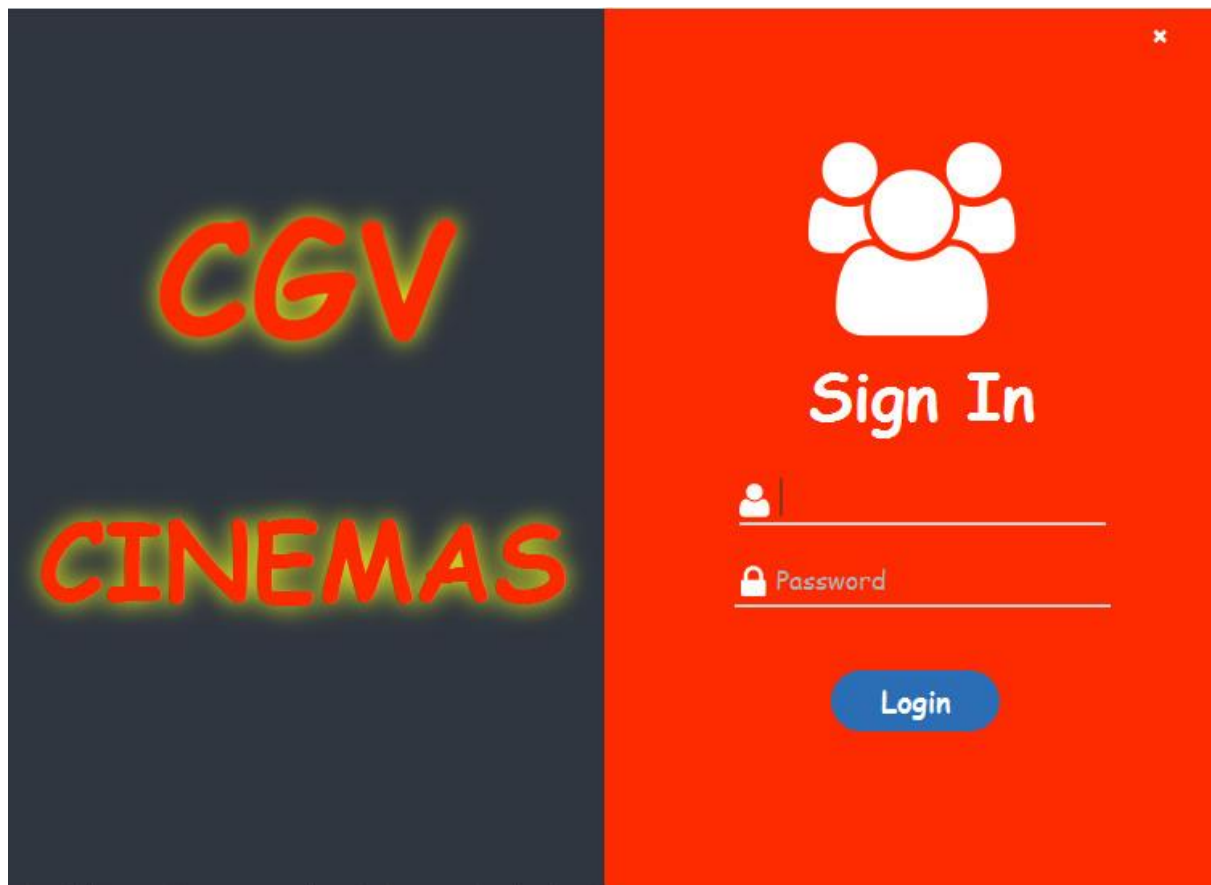
| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

Review 03

| | | |
|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 21 of 43 |

Screen shots

I. Login:



Description : Form Login

From : Start with Application

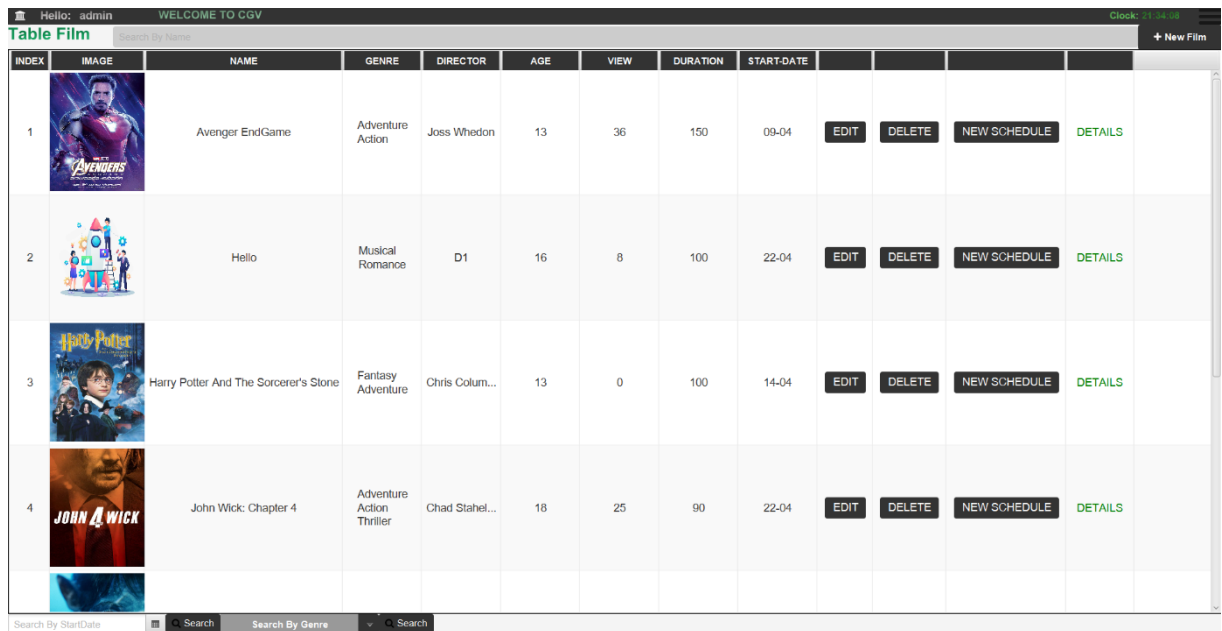
To : Homepage

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |





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| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 22 of 43 |

II. Homepage

a. HomePage Admin



The screenshot shows the 'Table Film' interface of the CGV Admin system. The table lists four films with their respective details and management options.

| INDEX | IMAGE | NAME | GENRE | DIRECTOR | AGE | VIEW | DURATION | START-DATE | | | | |
|-------|--|---------------------------------------|---------------------------|----------------|-----|------|----------|------------|------|--------|--------------|---------|
| 1 |  | Avenger EndGame | Adventure Action | Joss Whedon | 13 | 36 | 150 | 09-04 | EDIT | DELETE | NEW SCHEDULE | DETAILS |
| 2 |  | Hello | Musical Romance | D1 | 16 | 8 | 100 | 22-04 | EDIT | DELETE | NEW SCHEDULE | DETAILS |
| 3 |  | Harry Potter And The Sorcerer's Stone | Fantasy Adventure | Chris Colum... | 13 | 0 | 100 | 14-04 | EDIT | DELETE | NEW SCHEDULE | DETAILS |
| 4 |  | John Wick: Chapter 4 | Adventure Action Thriller | Chad Stahel... | 18 | 25 | 90 | 22-04 | EDIT | DELETE | NEW SCHEDULE | DETAILS |

At the bottom of the table, there are search filters: 'Search By StartDate', 'Search By Genre', and a general 'Search' button.

Description : HomePage for Admin

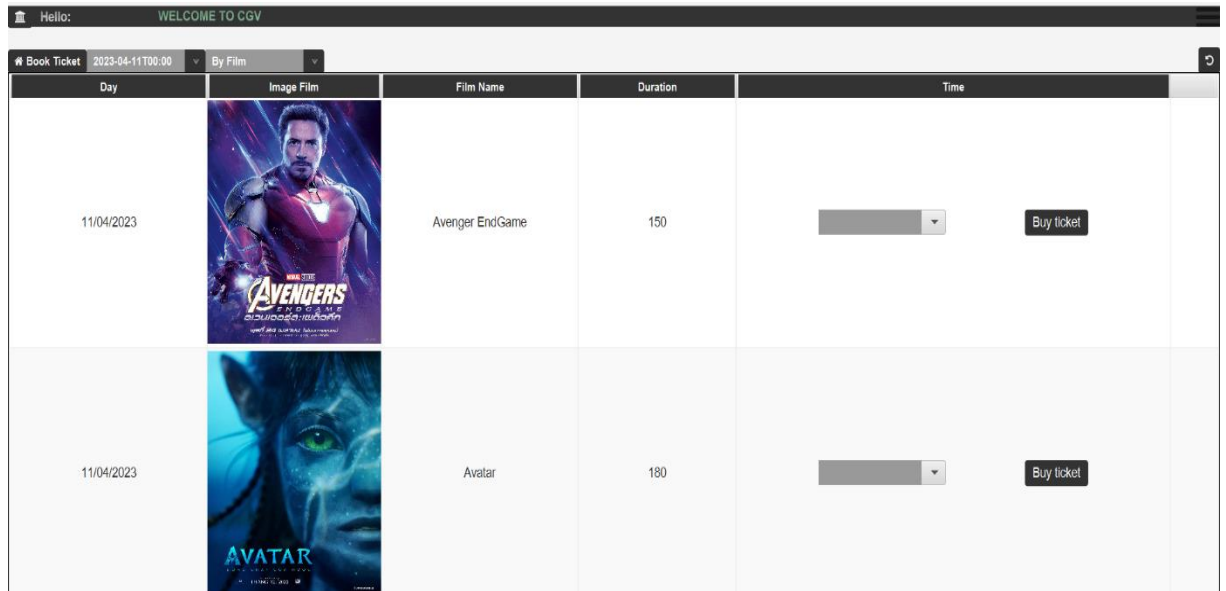
From : Form Login

To : Schedule manager, Edit Film

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

| | | |
|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 23 of 43 |

b. HomePage Employee



Description : HomePage for Employee

From : Form Login, Popup Menu

To : Ticket Page

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

| | | |
|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 24 of 43 |

c. Menu Popup



Description : Function list

From : Homepage

To : Homepage Employee, Film manager, employee manager, schedule manager, business statistics

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 25 of 43 |

III. Film manager Page

The screenshot shows a web application interface for adding a new film. The header includes a greeting 'Hello: admin', a welcome message 'WELCOME TO CGV', and a clock showing '11:05:05'. The main form is titled 'ADD NEW FILM' and contains the following fields and controls:

- FILM ID:** A text input field.
- FILM NAME:** A text input field.
- DESCRIPTION:** A large text area.
- LIMIT AGE:** A dropdown menu.
- START DATE:** A date picker showing '4/23/2023'.
- END DATE:** A date picker showing '5/3/2023'.
- DURATION:** A text input field.
- DIRECTOR:** A text input field.
- GENDER:** A dropdown menu with options: Action, Adventure, Animated, Comedy, Drama, Fantasy, and a 'Select Gender' button.
- ACTORS:** A dropdown menu with names: Asher Angel, Charlie Day, Chris Evans, Chris Pratt, Christopher Hemsworth, Daniel Jacob Radcliffe, and a 'Select Actor' button.
- Buttons:** 'LIST GENDER AND ACTOR', 'REMOVE GENRE', 'REMOVE ACTORS', 'LOAD FILE', 'SAVE', 'RESET', and 'ADD ACTORS'.

Description : Form for add new film

From : Homepage Admin

To : Homepage, Popup menu

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 26 of 43 |

IV. Edit Film Page

The screenshot displays the 'EDIT FILM' page of a web application. At the top, there's a header with 'Hello: admin' and 'WELCOME TO CGV'. The main form is titled 'EDIT FILM' and contains the following fields and controls:

- FILM ID:** PAE300000
- FILM NAME:** Avenger EndGame
- DESCRIPTION:** A text area containing a paragraph about the Avengers universe.
- LIMIT AGE:** 13 (with a dropdown arrow)
- START DATE:** 4/9/2023 (with a calendar icon)
- END DATE:** 4/30/2023 (with a calendar icon)
- DURATION:** 150
- DIRECTOR:** Joss Whedon
- GENDER:** A list box showing 'Action', 'Adventure', 'Animated', 'Comedy', 'Drama', 'Fantasy', and 'Miscellaneous'. Below it is a 'Search Gender' input field.
- ACTORS:** A list box showing 'Asher Angel', 'Charlie Day', 'Chris Evans', 'Chris Pratt', 'Christopher Hemsworth', 'Daniel Jacob Radcliffe', and 'HattaMaet'. Below it is a 'Search Actor' input field.
- Buttons:** 'UPDATE', 'RESET', 'ADD ACTORS', 'REMOVE GENRE', and 'REMOVE ACTOR'.
- Image:** A film poster for 'Avengers: Endgame' is shown with a 'LOAD FILE' button below it.

Description : Edit Film

From : Homepage Admin

To : Homepage , Popup menu

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

| | | |
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| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 27 of 43 |

V. Schedule manager Page

NEW SCHEDULE

ID: SC202349135437

FILM: Avenger EndGame

ROOM: Room 1 normal price small 2D

DATE: 4/11/2023

TIME: 0 : 0 To 00 : 00

NOTE:

Information for 2023-04-11

| Room | Room's Type | Film | Time | Note | Status | | |
|--------|-----------------------|--------|-------------|------|--------|-------------------------------------|---------------------------------------|
| Room 1 | normal price small 2D | Avatar | 22:00-01:00 | 2DD | false | <input type="button" value="Edit"/> | <input type="button" value="Delete"/> |
| Room 1 | normal price small 2D | Avatar | 18:30-21:30 | 2D | true | <input type="button" value="Edit"/> | <input type="button" value="Delete"/> |

☒ Active now

Description : Form for add new schedule

From : Homepage Admin

To : Homepage, Edit Schedule ,View Schedule by Film, Popup menu

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 28 of 43 |

VI. Employee manager Page

Description : Form for add new Employee

From : Homepage Admin

To : Homepage, Popup menu

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 29 of 43 |

VII. New Customer Page

Customer Management

Customer Name:

Birthday:

Customer Address:

Customer Phone:

Email:

SAVE **RESET**

Description : Form for add new Customer

From : Homepage Admin

To : Homepage

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

| | | |
|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 30 of 43 |

VIII. Bill Page

Cart Acceptance

Print date: 23/04/2023 21:40:30 **Employee:** BOSSSS

| Film | Other | | | | | | | | | | | | |
|---|---|-------|----------|-------|---------|---|-------|---------|---|-------|---------|---|-------|
| Name: Avenger EndGame Ticket: 2 Seat: D6 E6 Time: 22:22 Total: 280,000 VND | <table border="1"> <thead> <tr> <th>Name</th> <th>Quantity</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>Popcorn</td> <td>2</td> <td>60000</td> </tr> <tr> <td>Combo 1</td> <td>1</td> <td>70000</td> </tr> <tr> <td>Combo 2</td> <td>1</td> <td>80000</td> </tr> </tbody> </table> Total: 270,000 VND | Name | Quantity | Price | Popcorn | 2 | 60000 | Combo 1 | 1 | 70000 | Combo 2 | 1 | 80000 |
| Name | Quantity | Price | | | | | | | | | | | |
| Popcorn | 2 | 60000 | | | | | | | | | | | |
| Combo 1 | 1 | 70000 | | | | | | | | | | | |
| Combo 2 | 1 | 80000 | | | | | | | | | | | |

Promotion

Accumulated Points: 1 **Use**

Vouchers: 1 **Use**

Customer **Search** **Register**

Total: 550,000 VND

Back **Accept**

Description :

Manga Bill

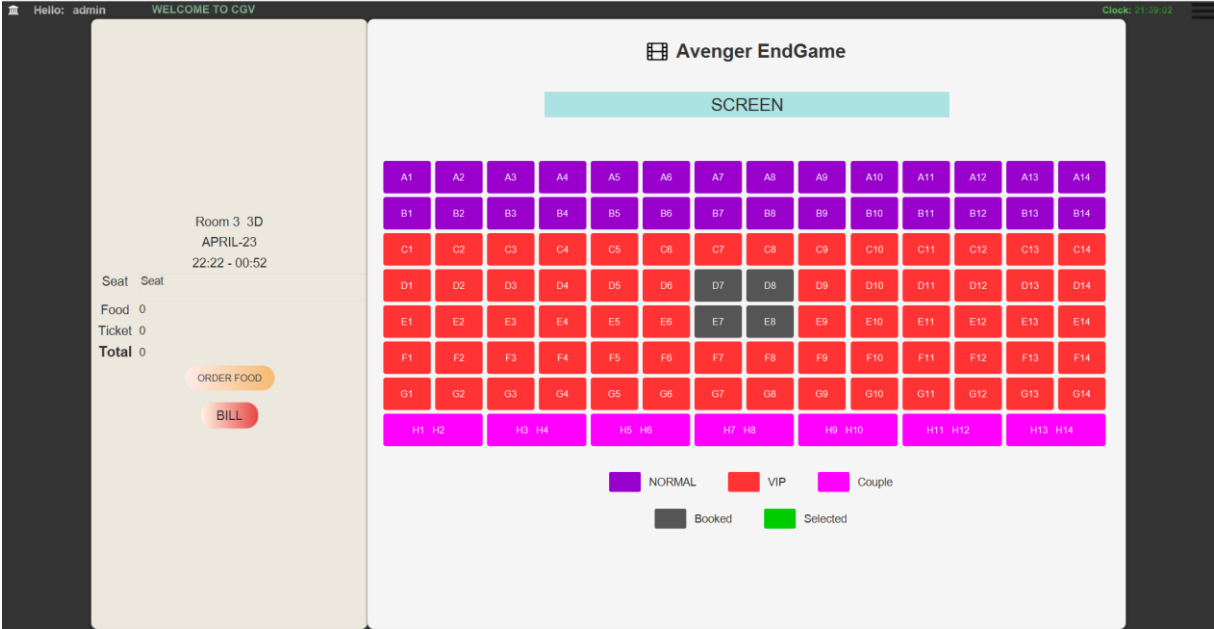
From : Homepage Ticket Page

To : Homepage

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 31 of 43 |

IX. Ticket Page



Description : Order Ticket

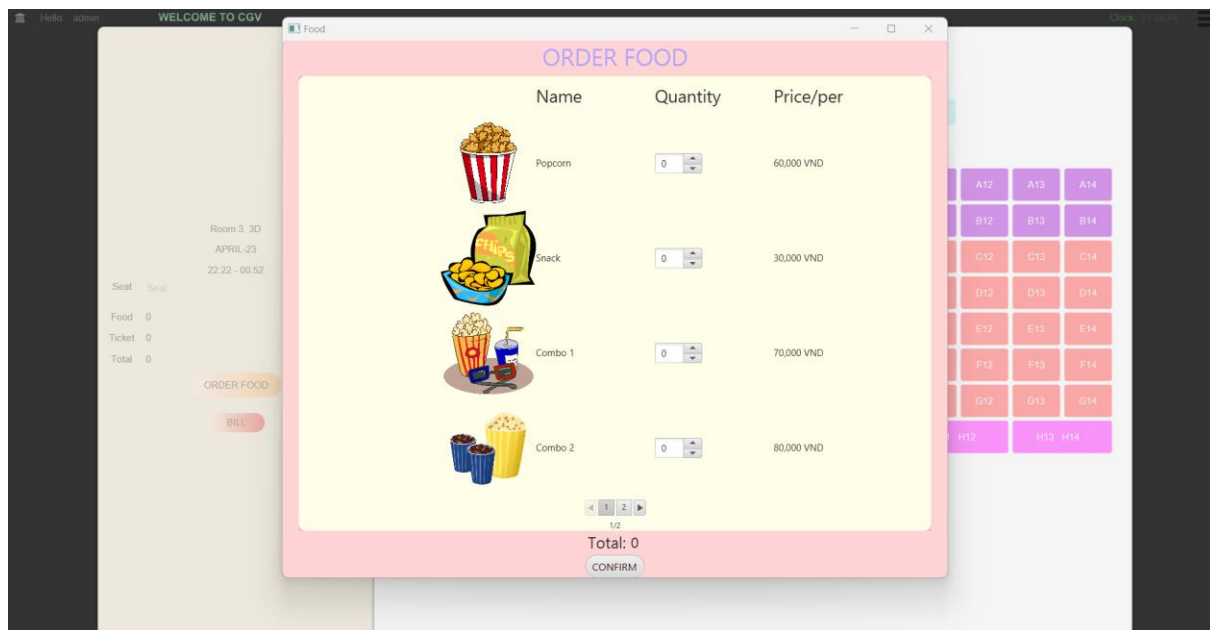
From : Homepage Eployee

To : Product Page, Bill Page, Popup menu

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 32 of 43 |

X. Product Page



Description : Order Products

From : Ticket Page

To : Ticket Page

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|-----------------|-----------------------------|--------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 33 of 43 |

XI. Bill Manage

| | | | | | | | | | | |
|---|---------------------|--------------|----------------------|------------|-----------------------------|---------------------------|-------------|-----------|---------------|--|
| Hello: admin WELCOME TO CGV | | | | | | | | | | |
| BILL MANAGER | | | | | | | | | | |
| Print Date Schedule Date Enter Film Or Phone's Customer | | | | | | | | | | |
| ID | PRINT-DATE | EMPLOYEE | FILM | PHONE-CUS | TICKET | PRODUCT | SCHEDULE | PROMOTION | BILL | |
| 38 | 23/04/2023 00:02:35 | Le Viet Dong | Avatar | 0964782374 | I11, I10 | Snack, Popcorn, Pepsi | 23/04 22:00 | SALE5 | 225,000 VND | |
| 39 | 23/04/2023 00:04:50 | Le Viet Dong | Avatar | 0964782374 | I13, I12 | Coca, Snack, Popcorn | 23/04 22:00 | | 230,000 VND | |
| 40 | 23/04/2023 00:13:45 | Le Viet Dong | Avatar | 0964782374 | I14 | Popcorn, Snack, Coca | 23/04 22:00 | | 170,000 VND | |
| 41 | 23/04/2023 00:20:33 | Le Viet Dong | Avatar | | I1 | Snack | 23/04 22:00 | | 90,000 VND | |
| 42 | 23/04/2023 00:27:10 | Le Viet Dong | Avatar | | H2 | Popcorn | 23/04 22:00 | | 120,000 VND | |
| 43 | 23/04/2023 00:29:15 | Le Viet Dong | Avatar | 0964782374 | H8 | Popcorn, Snack | 23/04 22:00 | | 150,000 VND | |
| 44 | 23/04/2023 00:32:57 | Le Viet Dong | Avatar | | H10 | | 23/04 22:00 | | 60,000 VND | |
| 45 | 23/04/2023 00:37:57 | Le Viet Dong | Avatar | | H5, H6 | | 23/04 22:00 | | 120,000 VND | |
| 46 | 23/04/2023 00:40:42 | Le Viet Dong | Avatar | | H7 | | 23/04 22:00 | | 60,000 VND | |
| 47 | 23/04/2023 00:48:23 | Le Viet Dong | Avatar | | H9 | | 23/04 22:00 | | 60,000 VND | |
| 48 | 23/04/2023 00:54:57 | Le Viet Dong | Avatar | | H4 | | 23/04 22:00 | | 60,000 VND | |
| 49 | 23/04/2023 01:04:01 | Le Viet Dong | Avatar | | H11 | | 23/04 22:00 | | 60,000 VND | |
| 50 | 23/04/2023 01:05:21 | Le Viet Dong | Avatar | 0902889347 | H3 | Coca, Snack | 23/04 22:00 | SALE10 | 86,900 VND | |
| 51 | 23/04/2023 01:07:49 | Le Viet Dong | | | | Combo 1 | | | 70,000 VND | |
| 52 | 23/04/2023 12:59:38 | Le Viet Dong | Avatar | | H12 | Snack | 23/04 22:00 | | 90,000 VND | |
| 53 | 23/04/2023 13:15:32 | Le Viet Dong | Avatar | | H1 | Combo 1, Coca, Popcor... | 23/04 22:00 | | 225,000 VND | |
| 54 | 23/04/2023 13:18:46 | Le Viet Dong | Avatar | | H13 | Snack, Popcorn, Combo... | 23/04 22:00 | | 300,000 VND | |
| 55 | 23/04/2023 14:16:09 | Le Viet Dong | Avatar | 0902889347 | H14 | Popcorn, 7Up, Coca, Sn... | 23/04 22:00 | SALE5 | 176,400 VND | |
| 56 | 23/04/2023 14:24:55 | Le Viet Dong | Avatar | | G14 | Popcorn, Snack, Combo... | 23/04 22:00 | | 300,000 VND | |
| 57 | 23/04/2023 14:30:50 | Le Viet Dong | Avatar | 0964782374 | G8 | Popcorn, Snack, Combo... | 23/04 22:00 | | 197,200 VND | |
| 58 | 23/04/2023 14:36:20 | Le Viet Dong | Hello | | I6, I7 | Combo 1, Combo 2, Pop... | 23/04 19:00 | | 420,000 VND | |
| 59 | 23/04/2023 14:37:01 | Le Viet Dong | Hello | 0902889347 | I9, I8 | Snack, Combo 2, Popco... | 23/04 19:00 | SALE10 | 392,400 VND | |
| 60 | 23/04/2023 14:43:21 | Le Viet Dong | Hello | | I10 | Coca, Snack, Combo 1, ... | 23/04 19:00 | | 270,000 VND | |
| 61 | 23/04/2023 14:45:47 | Le Viet Dong | Hello | | I5 | Snack, Popcorn, Combo... | 23/04 19:00 | | 265,000 VND | |
| 62 | 23/04/2023 14:54:15 | Le Viet Dong | Hello | | I4 | Combo 1, Combo 2, Pop... | 23/04 19:00 | | 330,000 VND | |
| 63 | 23/04/2023 15:00:32 | Le Viet Dong | Hello | | I11 | Pepsi, Coca, Combo 2, ... | 23/04 19:00 | | 240,000 VND | |
| 64 | 23/04/2023 20:11:01 | BOSSSS | Avatar | | F4, F5 | Combo 1 | 23/04 22:00 | | 330,000 VND | |
| 65 | 23/04/2023 20:23:15 | BOSSSS | John Wick: Chapter 4 | | E9, E7, E9 | | 26/04 14:00 | | 270,000 VND | |
| 66 | 23/04/2023 20:24:05 | BOSSSS | John Wick: Chapter 4 | | D2, H5, H8, G4, F4, F1, ... | | 26/04 14:00 | | 1,170,000 VND | |

Description : Bill manager

From : Homepage

To :Homepage, Popup menu

| | | |
|-----------|-----------------------|-----------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|------------------------------------|---------------------------------|
| Design Plan: | Document Name: Screen shots | SWD/Form No.08/SS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 34 of 43 |

XII. Customer manage

| PHONE | NAME | BIRTHDATE | ADDRESS | EMAIL | POINT | |
|------------|--------------|------------|--------------------------|-------------------|-------|------|
| 0398712354 | Le viet dong | | 2312312 | 1@gmail.com | 0 | EDIT |
| 0398713843 | Le Viet Dong | 1998-04-17 | 503 ly thai to HCM | dong@gmail.com.vn | 770 | EDIT |
| 0902889347 | phuc tran | 1993-04-17 | 374 ap bac | phuc@gmail.com | 392 | EDIT |
| 0964782374 | tran thu huy | 1995-04-14 | 374 ap bac | huy@gmail.com | 197 | EDIT |
| 0973222111 | Le Thi Huyen | 1994-04-24 | 567 Dien Bien Phu TP HCM | Huyen@icloud.com | 0 | EDIT |
| 1234567891 | le Viet Dong | | | a@gmail.com | 0 | EDIT |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Description : Customer manager

From : Homepage

To :Homepage, Popup menu

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|--|---------------------------------|
| Design Plan: | Document Name: Testing document | SWD/Form No.09/TD/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 35 of 43 |

Testing document

| Sr.No | Features Tested | Remarks |
|-------|-----------------|---------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

| | | |
|------------------------|---------------------------------------|---------------------------------|
| Design Plan: | Document Name: Final checklist | SWD/Form No.10/FC/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 36 of 43 |

Final checklist

| Sr.No | Aspected Tested | Suggestion/ Remarks |
|--------------|---|--------------------------------|
| 1 | Are all the users able to view the images and links? | |
| 2 | Have all the views, modules and controllers been properly integrated and is the site function as a single page application? | |
| 3 | Are the GUI content devoid of spelling mistakes? | |
| 4 | Is the application user-friendly? | |
| 5 | Is the Website launching correctly in all popular browsers? | |
| 6 | Are all the forms validated with proper criteria? | |
| 7 | Do all text links lead to the appropriate website? | |
| 8 | Do all image links lead to the appropriate website? | |
| 9 | Are all the images and links clearly visible on the page? | |
| 10 | Does the Web page work properly in all the tested browsers? | |
| 11 | Does the Web page take too long to be loaded fully? | |
| 12 | Is the navigation sequences correct through all the Web pages on the site? | |
| 13 | Is the JavaScript code working as expected in all click events? | |
| | | |
| | | |

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |

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|------------------------|----------------------------------|---------------------------------|
| Design Plan: | Document Name: Task Sheet | SWD/Form No.11/TS/Ver1.0 |
| Effective Date: | Version 1.0 | Page No: 37 of 43 |

| No | Member | Contents | | Table Name | Activity Plan | Date of Preparation of Activity Plan | | |
|----|------------------|----------|---|--|--------------------|--------------------------------------|-------------|--------|
| | | | | | Planned Start Date | Actual Start Date | Actual Days | Status |
| 1 | Lê Viết Đông | Admin | Schedule management Page(View,New, Edit, Delete Scheule) | Ticket, Schedule, ProductBill | 3/21/2023 | 3/25/2023 | 5 | OK |
| | | | Report for Product and export to Excel | | 3/28/2023 | 4/1/2023 | 5 | OK |
| | | User | Ticket Page | | 4/4/2023 | 4/8/2023 | 5 | OK |
| | | | Product Page | | 4/11/2023 | 4/25/2023 | 5 | OK |
| 2 | Huỳnh Tấn Phước | Admin | Employee managerment Page (View,New, Edit, Delete Employee) | Employee, WorkSession | 3/21/2023 | 3/25/2023 | 5 | OK |
| | | | Login Page | | 3/28/2023 | 4/1/2023 | 5 | OK |
| | | | Report for Employee and export to Excel | | 4/4/2023 | 4/8/2023 | 5 | OK |
| | | User | Change information and password | | 4/11/2023 | 4/25/2023 | 5 | OK |
| 3 | Nguyễn Nhật Minh | Admin | Customer managerment Page (View,New, Edit Customer) | Customer, Bill | 3/21/2023 | 3/25/2023 | 5 | OK |
| | | | Export Bill | | 3/28/2023 | 4/1/2023 | 5 | OK |
| | | User | Bill Page | | 4/4/2023 | 4/8/2023 | 5 | OK |
| | | | | | 4/11/2023 | 4/25/2023 | 5 | OK |
| 4 | Trần Thụ Huy | Admin | Film manager Page (View,New, Edit, Delete Film) | Film,Actor, FilmGenreDetails ActorOfFilm | 3/21/2023 | 3/25/2023 | 5 | OK |
| | | | Export report for Film by Excel | | 3/28/2023 | 4/1/2023 | 5 | OK |
| | | User | Home Page for Admin and Employee | | 4/4/2023 | 4/8/2023 | 5 | OK |
| | | | | | 4/11/2023 | 4/25/2023 | 5 | OK |

| | | |
|------------------|------------------------------|------------------------------|
| | Prepared by (Student) | Approved by (Faculty) |
| | Project Group No: | LE THANH NHAN |
| Signature | | |
| Date | | |