5/25/2023

Movie ticket

SRS

SUPERVISED

DR. MOHAMED RAMDAN

- **NAME OF SYSTEM**

Movie tickets

- **DATE**

15/5/2023

- **Version**

1.1

- **Presented To:**

Dr. Mohamed Ramadan

- **Submitted By:**

Omar Ebrahim AboElabas

Hossam Sapry

Ahmed Adel yousef

Yousef Hady

Waleed Mohamed

Abdelrahman Ahmed Elshazly

- **PRODUCT DESCRIPTION**

A cinema booking website is an online platform that allows users to browse movie listings, select showtimes, and purchase tickets for cinema screenings. The website would typically have a user-friendly interface that allows users to search for movies by title, genre, date, and location.

Upon arriving at the website, users would first be prompted to select their location and preferred cinema. They would then be presented with a list of movies currently showing at that cinema, along with showtimes and available seats. Users would be able to choose the movie and showtime they want, select their preferred seating, and proceed to the checkout to purchase their tickets.

In addition to movie listings and ticket purchases, the website may also offer other features such as movie reviews, trailers, and information about upcoming releases. The website may also have a loyalty program that rewards frequent movie-goers with discounts or other perks. Overall, a cinema booking website is designed to make the process of buying movie tickets as convenient and hassle-free as possible for users.

• TEAM DESCRIPTION

Skills	Team Members
• **Frontend Developer**	**Hossam Sabry**
• **Backend Developer**	**Ahmed Adel**
• **Intermediate in Documentation** • **Amateur in Ai**	**Yousef Hady**
• **Know In UML Diagrams**	**Omar AboElabas**
• **Database Administrator**	**Abdelrahman Elshazly**
• **My Sql server** • **Database Administrator**	**Waleed Mohamed**

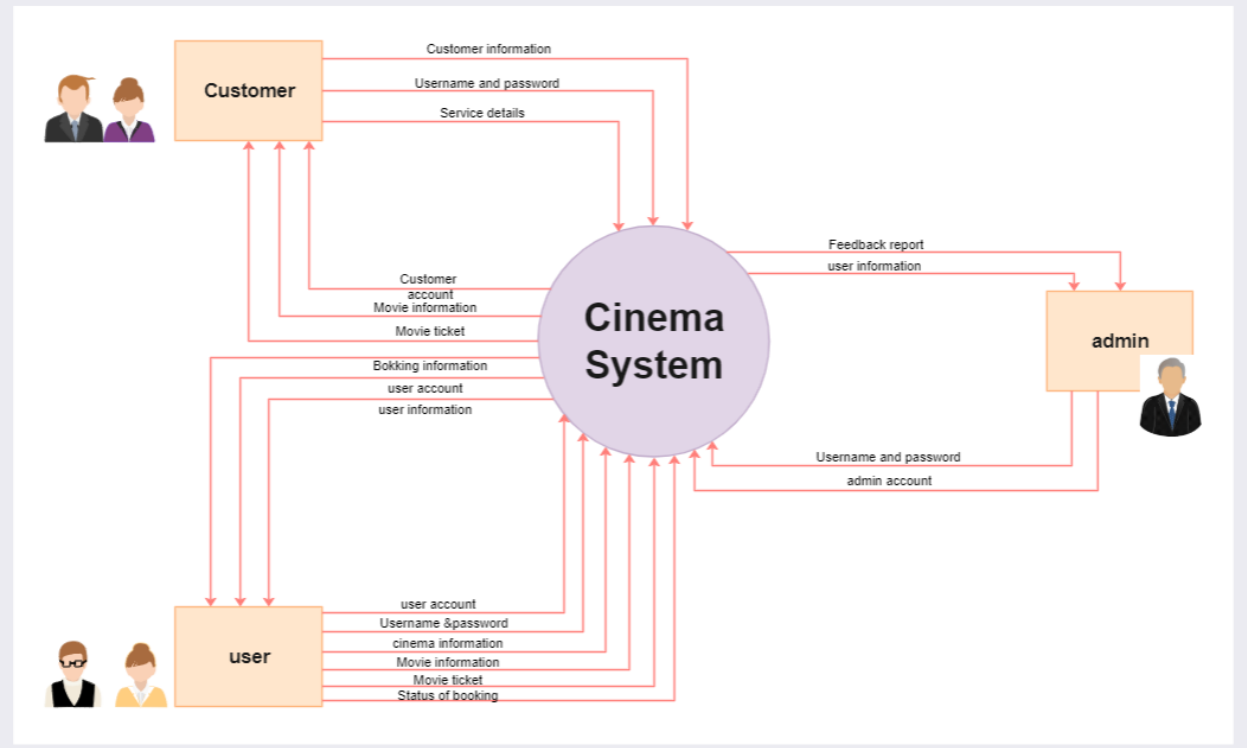
• SOFTWARE PROCESS MODEL DESCRIPTION (agile)

Agile helps you to act systematically and with good knowledge of the business development framework, and provides you with tools and techniques that improve the performance of the team and the organization as a whole.

An agile gives you the ability to mix different approaches and even innovate new frameworks to maximize collaboration and innovation.

- **PRODUCT DEFINITION**

Context diagram

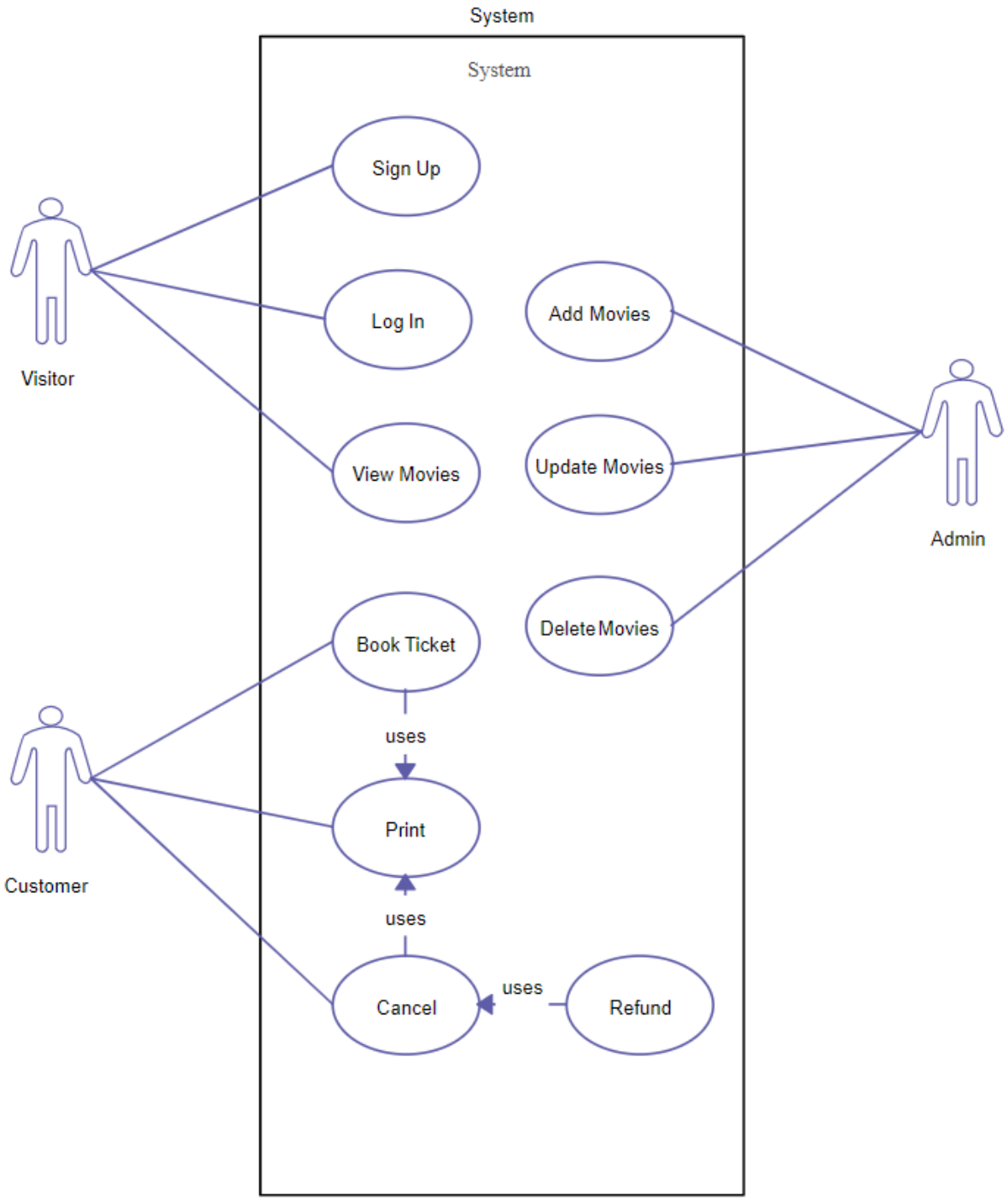


admin:

The main member in the page . he can add movies , update movies and delete movies. he can also edit party time and add ,remove and update cinema .

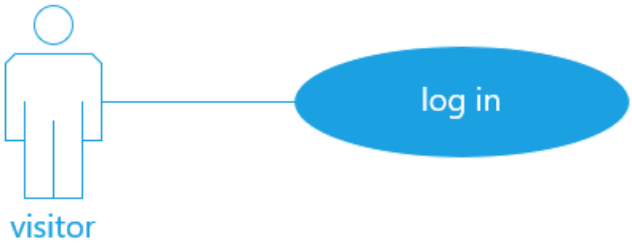
Users :

They can create an account with a username and password and they need to input an email and other data. These users can view and choose movie , book ticket , choose cinema , choose seats , leave message and pay .


System
System
Sign Up
Log In
View Movies
Book Ticket
uses
Print
uses
Cancel
uses
Refund
Add Movies
Update Movies
Delete Movies
Visitor
Customer
Admin

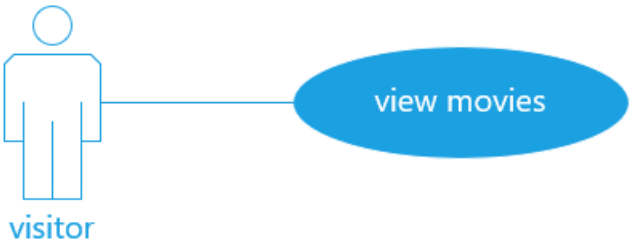
Use case name	Sign up
Unique ID	001
Area	Website
Actor(s)	Visitor
Description	visitor creates account
Triggering Event	visitor click “sign up” button in the website
Preconditions	The visitor needs to open website on monitor
Post conditions	visitor has successfully created account
Assumptions	- visitor has browser - A valid data

Steps Performed	**Information for Steps**
1- Open website 2- Click on “sign up ” button 3- Validation of entered data by website	Step 3: Name, Username, Password, E-mail



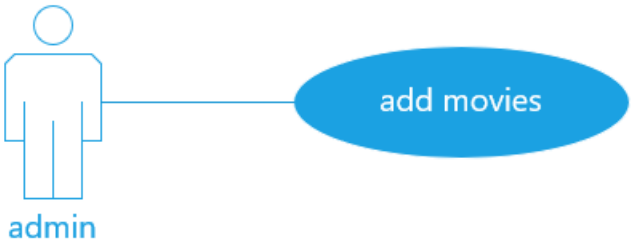
Use case name	Log in
Unique ID	002
Area	Website
Actor(s)	Visitor
Description	visitor log in to his account
Triggering Event	visitor click “log in” button in the website
Preconditions	• The visitor needs to open website on monitor • The visitor needs to have account
Post conditions	visitor has successfully logged in to his account
Assumptions	- visitor has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. visitor enters his data 3. Click on “Login” button 4. Validation of entered data by website	Step 3: Name, Username, Password, E-mail



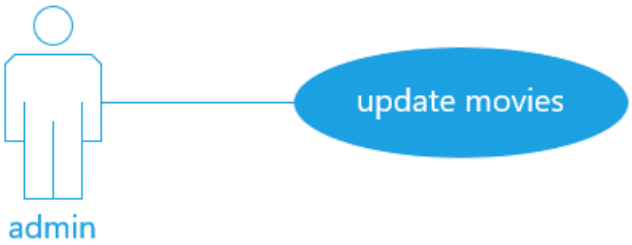
Use case name	View movies
Unique ID	003
Area	Website
Actor(s)	Visitor
Description	visitor view movies
Triggering Event	visitor click “ movies ” button in the website
Preconditions	• The visitor needs to open website on monitor • The visitor needs to have account
Post conditions	visitor has successfully select movie
Assumptions	- visitor has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. Click on “movies” button 3. View movies	



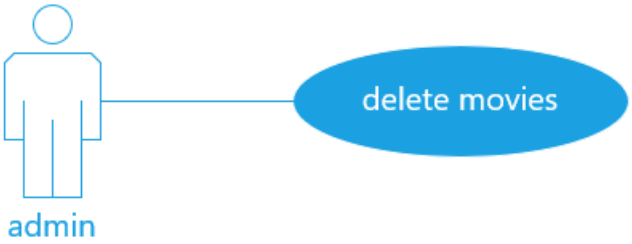
Use case name	Add movies
Unique ID	004
Area	Website
Actor(s)	Admin
Description	Admin add movies
Triggering Event	The admin needs to login in to his account
Preconditions	• The visitor needs to open website on monitor • The visitor needs to have account • The admin needs to have access
Post conditions	visitor has successfully logged in to his account
Assumptions	- admin has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. Admin log in 3. Admin add new movies in a website	



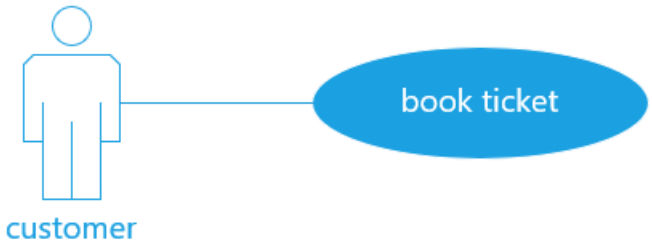
Use case name	Update movies
Unique ID	005
Area	Website
Actor(s)	Admin
Description	Admin update movies
Triggering Event	admin click “ update ” button in the website
Preconditions	• The admin needs to open website on monitor • The admin needs to have account • The admin needs to have access
Post conditions	admin has successfully logged in to his account
Assumptions	- admin has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. Admin log in 3. Admin updates movies	



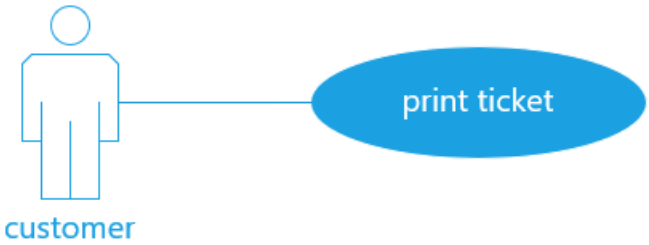
Use case name	Delete movies
Unique ID	006
Area	Website
Actor(s)	Admin
Description	Admin delete movies
Triggering Event	Admin click “delete” button in the website
Preconditions	• The visitor needs to open website on monitor • The visitor needs to have account • The admin needs to have access
Post conditions	film has successfully deleted
Assumptions	- admin has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. Admin log in 3. Admin delete movies	



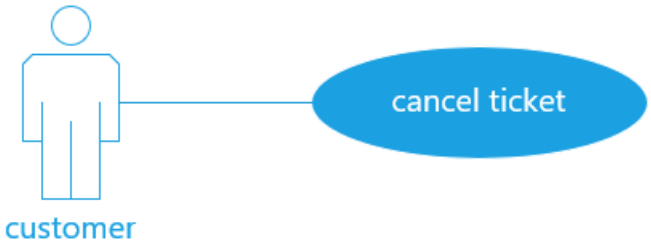
Use case name	Book ticket
Unique ID	007
Area	Website
Actor(s)	Customer
Description	Customer book ticket
Triggering Event	customer click “book ticket” button in the website
Preconditions	• The customer needs to open website on monitor • The customer needs to have account
Post conditions	visitor has successfully logged in to his account
Assumptions	- customer has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. Customer log in 3. Customer book ticket	



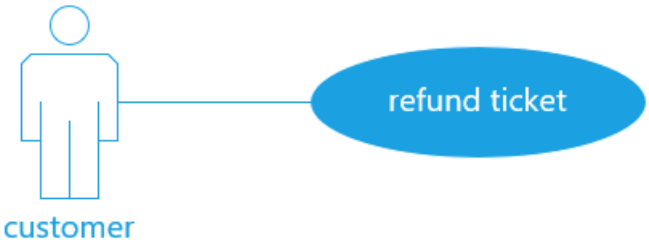
Use case name	Print ticket
Unique ID	008
Area	Website
Actor(s)	Customer
Description	Customer print ticket
Triggering Event	customer click “print” button in the website
Preconditions	• The customer needs to open website on monitor • The customer needs to have account
Post conditions	Ticket has successfully printed
Assumptions	- Customer has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. Customer log in 3. Customer book ticket 4. Customer print ticket	



Use case name	Cancel ticket
Unique ID	009
Area	Website
Actor(s)	Customer
Description	Customer cancel ticket
Triggering Event	customer click “cancel” button in the website
Preconditions	• The customer needs to open website on monitor • The customer needs to have account
Post conditions	Ticket has canceled
Assumptions	- customer has browser - A valid data

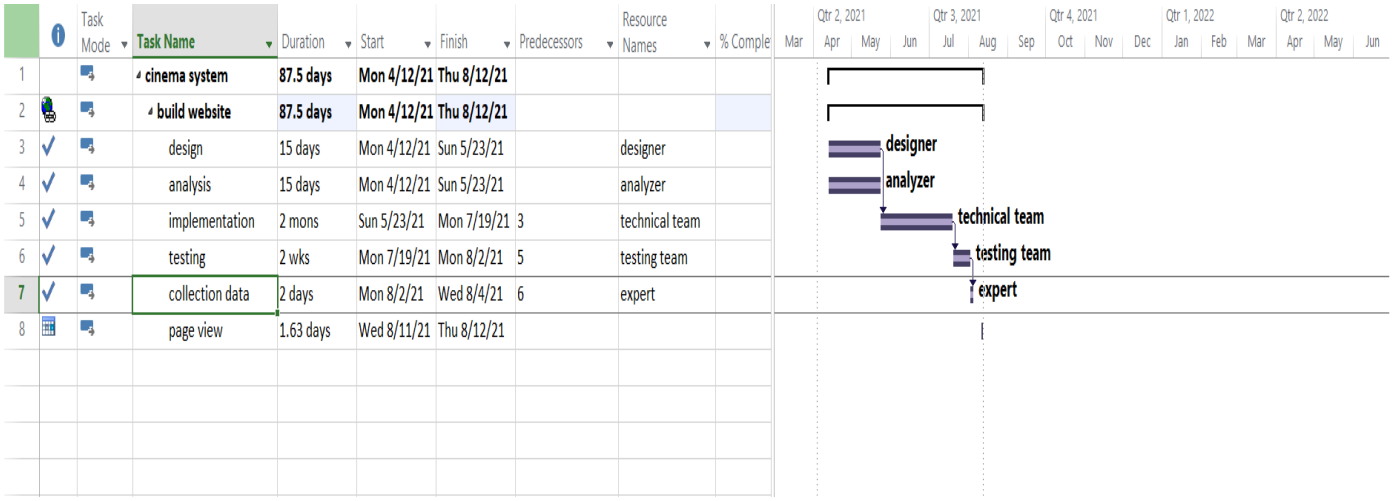
Steps Performed	**Information for Steps**
1. Open website 2. Customer log in 3. Customer book ticket 4. Customer cancel ticket	



Use case name	Refund ticket
Unique ID	010
Area	Website
Actor(s)	Customer
Description	Customer refund ticket
Triggering Event	customer click “refund” button in the website
Preconditions	• The customer needs to open website on monitor • The customer needs to have account
Post conditions	Ticket has refunded
Assumptions	- customer has browser - A valid data

Steps Performed	**Information for Steps**
1. Open website 2. Customer log in 3. Customer book ticket 4. Customer cancel ticket	

- **Gannt chart**



	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	% Comple
1		**cinema system**	**87.5 days**	**Mon 4/12/21**	**Thu 8/12/21**			
2		**build website**	**87.5 days**	**Mon 4/12/21**	**Thu 8/12/21**			
3		design	15 days	Mon 4/12/21	Sun 5/23/21		designer	
4		analysis	15 days	Mon 4/12/21	Sun 5/23/21		analyzer	
5		implementation	2 mons	Sun 5/23/21	Mon 7/19/21	3	technical team	
6		testing	2 wks	Mon 7/19/21	Mon 8/2/21	5	testing team	
7		collection data	2 days	Mon 8/2/21	Wed 8/4/21	6	expert	
8		page view	1.63 days	Wed 8/11/21	Thu 8/12/21			

- **Test Strategy**

  - The definition of done should specify the criteria that must be met for each test to be considered complete. This might include things like the expected results, pass/fail criteria, and any other relevant details.

  - Success for an apartment rental website would look like a website that is fully functional, easy to use, and meets the needs of its users. The website should be tested thoroughly to ensure that all of its features and functionality are working properly and that it is compatible with a range of devices and browsers. Ultimately, the success of the website will be measured by user feedback and satisfaction, as well as the ability of the website to drive business and achieve its goals.

- **RISK ASSESSMENT**

Risk Identification

As developing an website Application, risks could face us

1. Technical Risks: Technical risks could include website crashes, slow page load times, or errors during the booking process. These risks could result in customers being unable to make bookings, frustration, and negative feedback.

2. Security Risks: Security risks could include unauthorized access to customer data or payment information, data breaches, or hacking. These risks could result in financial losses, legal action, and damage to the reputation of the online booking ticket system.

3. Payment Processing Risks: Payment processing risks could include failed transactions, chargebacks, or fraud. These risks could result in financial losses, negative feedback, and damage to the reputation of the online booking ticket system.

Risk Prioritization

1. Security breaches resulting in unauthorized access to customer data or payment information

2. Technical issues causing website downtime or errors during the booking process

3. Payment processing issues resulting in failed transactions or fraud

Risk Mitigation

- Implement strong encryption protocols and firewalls to protect customer data and payment information.

- Conduct regular performance testing and load testing to identify potential technical issues and ensure that the system can handle high levels of traffic.

- Work with trusted payment providers to minimize the risk of fraud and failed transactions.

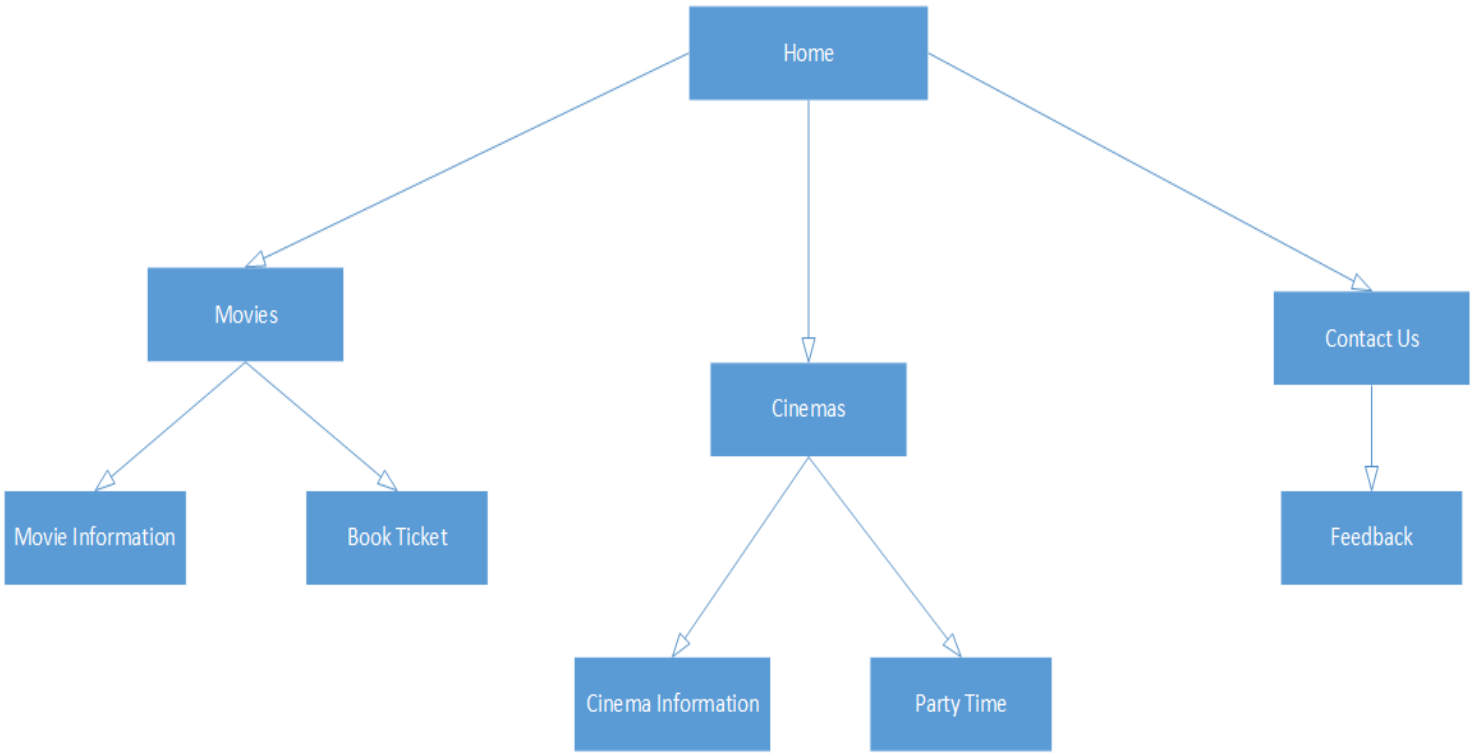
CONFIGURATION AND VERSION CONTROL

Configuration Identification: Identifying and documenting the configuration items, such as source code, libraries, documentation, and configuration files, that make up the software system

- **TOOLS**
  - Database Management system.
  - Browser
  - App Development software (android and ios)
    - Visual Studio code
    - Mysql

- **ARCHITECTURE**
  - Browsers for testing
    - Android
    - iPhone
  - Computers for programming
    - Server
    - Web Admin
    - Client

- Wireframe



- PROJECT ORGANIZATION for cinema system

1. Define project goals and requirements:

The first step is to define the project goals and requirements. This includes identifying the features and functionalities of the cinema system, as well as the target audience and business objectives. This information will serve as the foundation for the project plan and help ensure that the project is aligned with the organization's strategic objectives.

2. Create a project plan:

The next step is to create a project plan that outlines the project scope, timeline, budget, resources, and deliverables. This plan should include a detailed breakdown of the tasks and subtasks required to complete the project, as well as the dependencies and critical path.

3. Assign roles and responsibilities:

Based on the project plan, the project manager should assign roles and responsibilities to the project team members. This includes identifying the key stakeholders, such as the project sponsor, project manager, development team, testing team, and other support staff.

4. Establish project communication channels:

To ensure effective communication among the project team members, it is essential to establish clear communication channels. This includes regular project status updates, team meetings, and reporting mechanisms.

5. Develop the project scope and requirements document:

The project scope and requirements document should capture the project goals and objectives, as well as the features and functionalities of the cinema system.

This document should be reviewed and approved by the project sponsor and key stakeholders before proceeding to the next phase.

6. Design and development:

The design and development phase involves creating the wireframes, user interface design, database design, and software development. This phase should follow the agile software development methodology to ensure regular communication and feedback from the stakeholders.

7. Testing:

Once the software development is complete, it is essential to conduct thorough testing to ensure that the cinema system meets the requirements and quality standards. This includes functional testing, performance testing, and user acceptance testing.

8. Deployment:

After testing is complete, the cinema system can be deployed to the production environment. This includes configuring the hardware and software components, performing integration testing, and training the end-users.

9. Maintenance and support:

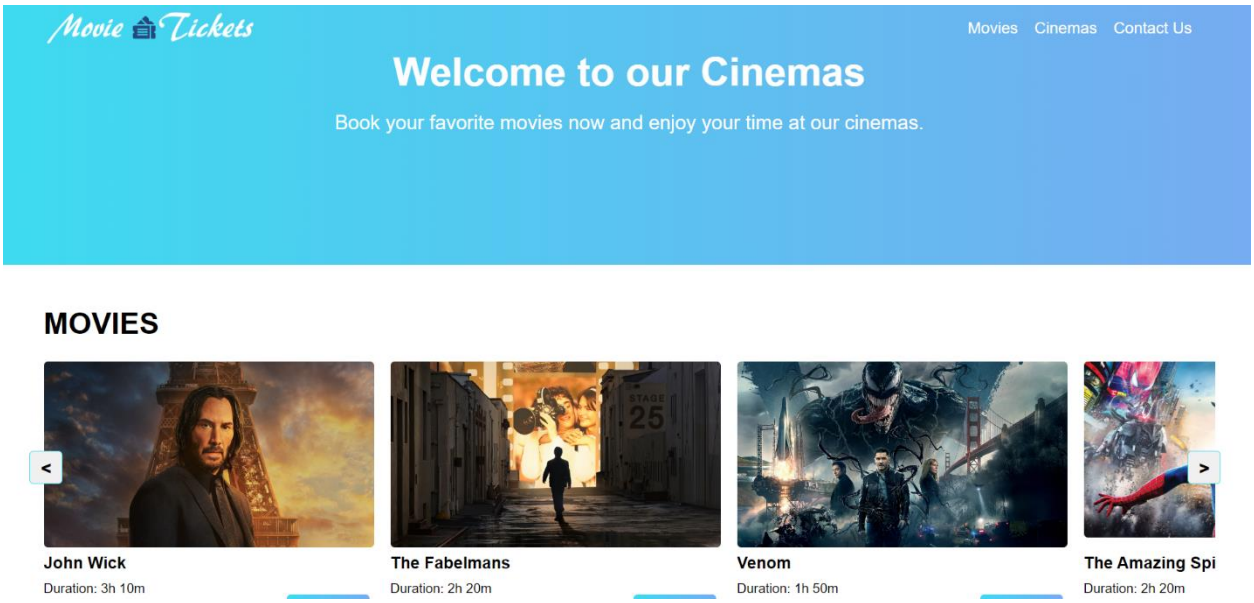
Once the cinema system is deployed, it is essential to provide ongoing maintenance and support to ensure that it continues to meet the business requirements and quality standards. This includes bug fixes, security patches, and regular software updates.

By following these project organization steps, the cinema system project can be effectively managed and delivered on time and within budget.

USER EXPERIENCE WIREFRAMES for cinema system

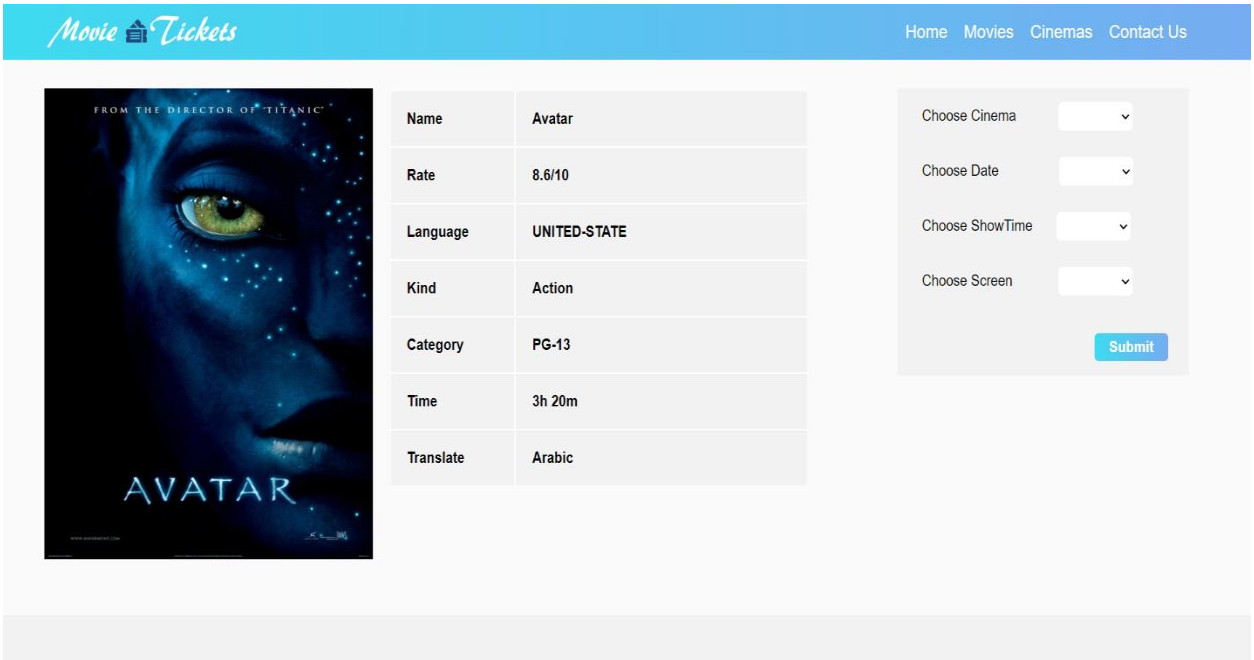
1. Homepage:

The homepage could display a list of currently playing movies. Users could click on a movies to display more about it or purchase tickets.



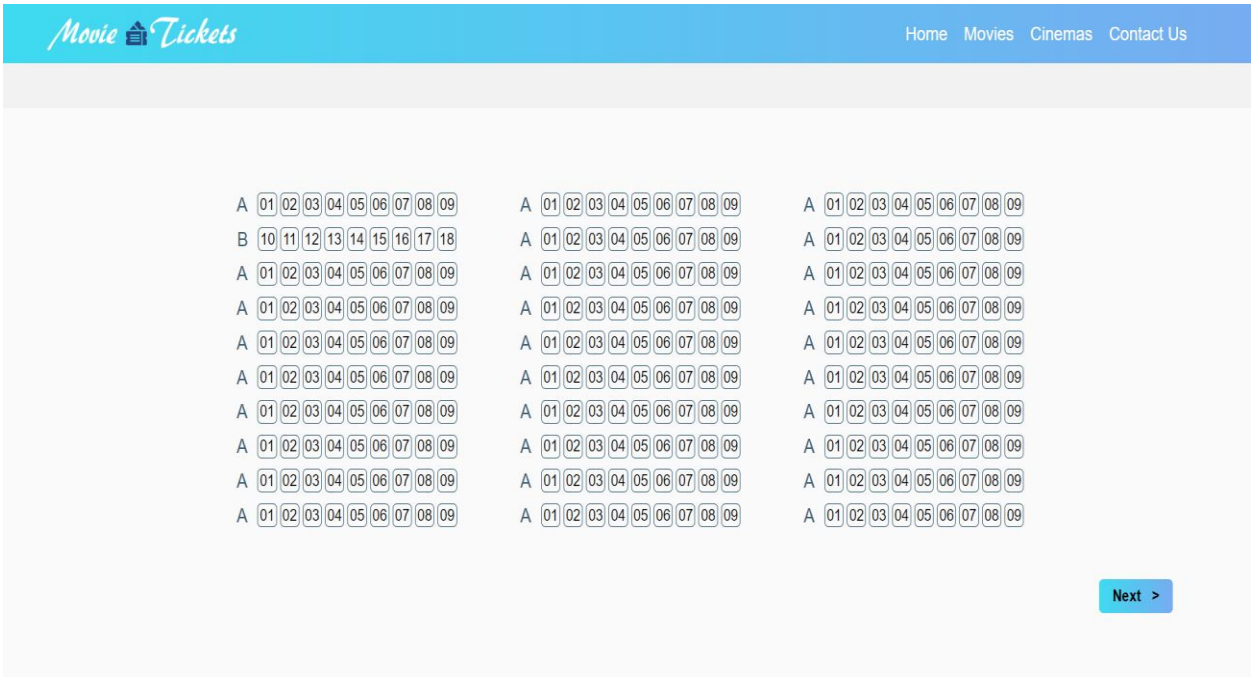
2. Movie Details:

The movie details page could show information about the movie, including its plot, cast, and rating. Users could also select a showtime and purchase tickets from this page.



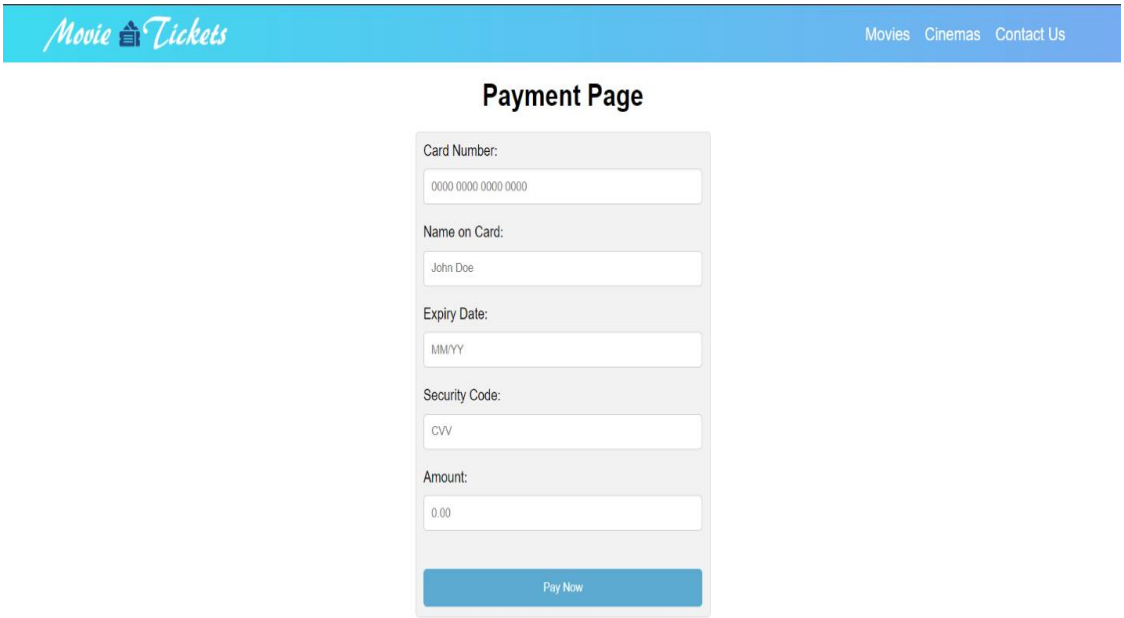
3. Seat Selection:

After selecting a showtime and number of tickets, users would be directed to the seat selection page. This page would display a map of the theater, allowing users to select their desired seats.



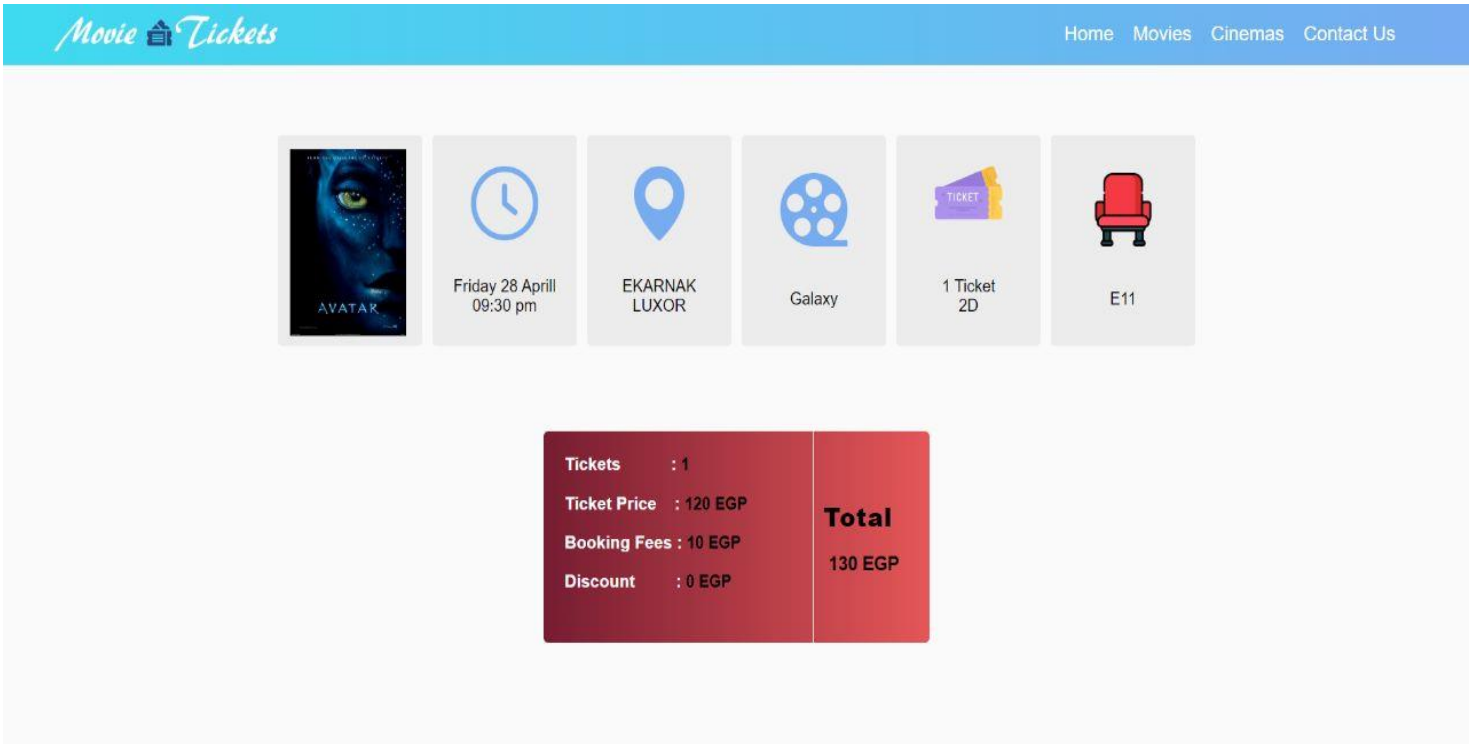
4. Payment:

After selecting their seats, users would be directed to the payment page. This page would allow users to enter their payment information and complete their purchase.



5. reservation confirmation:

After selection seat and movie user should confirm reservation . This page display film , seat , cinema , party time and price



Ultimately, these findings inform future analysis and decision-making