**Orange Coding Academy Bootcamp**

**Application Name: Cinema House**

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Summary

Most of us had faced a problem when going to the cinema ,sometimes the cinema hall is full or it is possible that we do not find an empty place, or it may be that all places have been reserved and we know when we reached the cinema and often we do not know what films will be shown so the idea of my app has come to life , in my application we can check the available movie and booking the movies at anytime, all the films that will be shown throughout the week will be shown on time from your home before you need to go or face any problem .

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Introduction

Recently, Web Application is an essential part for all business issues or any project you would to apply in real world you need to schedule or manage it and the best choice is create web application which contain all details and features you need to do with to make your life easier and faster. So, here we can see the responsibility of Web Application developers to make people’s issues easier to handle, but those developers who work behind the scenes they are a humans too and need to have appropriate work area suitable for long hours of work, its common these days how much they suffer from health problems in muscles and bones, so this web application will help them to find a suitable stuff such as: chairs, tables, pillow or any other stuff could help to secure their health in efficient ways. What if the user couldn’t decide what is the most appropriate piece for his problem, so this application prepared with a list of the most experts doctors around, in this way the user can find someone capable to diagnose his problem and at the same time buy the needed tool at the same time.

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Chapter2: User Authorization and Authentication

There is a special part of authorization for user in this application, as we know the main target in all projects is the user and his satisfaction of the application for that reason you can find bellow all permissions that can user have in this application.

**1.1 Permissions:**

1. Create account:

User can first create his own account with full validation system to ensure that user used a valid information that has assigned in code before, during user insertion will read error messages to tell him the correct data needed to complete him account creation. For sure all information which belongs to users are saved in encrypted way for his security and satisfaction.

After user create his account can then login to the website and then start his journey in shopping.

1. Login:

In this step will authenticate the user and ensure if this user has created his account or not, so if this user is really exit in database the application will take him to the home page and his name will appear first

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then he can move through all pages in the web application and choice any product and add it to the cart.

3. Booking and checkout process:

The user can shop and move through all products and choose any pieces want after than can checkout and ensure the order by fill all required details.

All these info about user location and order details are submitted to the admin who responsible for that.

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Chapter3: Admin capabilities

* 1. **Movies:**

1. Add:

Admin can add a new movies with all required details such as: name, brief, category of movie, date, day, image , description.

1. Update:

Admin can update any movie all details and submit it after finish editing and this feature is essential in admin part so he can manage any thing related to the movies.

1. Delete:

Admin can delete any movie and this action will appear in admin UI and in database as we suppose that admin have an access to the database.

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* 1. **Categories:**

1. Add:

Admin can add a new category with all required details such as: name, brief, picture, summary.

1. Update:

Admin can update any category all details and submit it after finish editing and this feature is essential in admin part so he can manage anything related to the categories.

1. Delete:

Admin can delete any category and this action will appear in admin UI and in database as we suppose that admin have an access to the database.

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Chapter4: Technologies

**4.1 Frontend:**

**4.1.1 HTML:** is the universal markup language for the Web. HTML lets you format text, add graphics, create links, input forms, frames and tables, etc., and save it all in a text file that any browser can read and display.

**4.1.2 CSS:** CSS stands for Cascading Style Sheets. It is a language designed to specify the overall appearance of webpages as well as the appearance and structure of the text and elements such as images and buttons on webpages and their layout. Styles can be specified with CSS using internal style sheet definitions which are placed right into HTML/XHTML code or in external files.

**4.1.3 Java Script:** JavaScript is a multi-paradigm, dynamic language with types and operators, standard built-in objects, and methods. Its syntax is based on the Java and C languages — many structures from those languages apply to JavaScript as well. JavaScript supports object-oriented programming with object prototypes, instead of classes

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**4.2** **Backend:**

**4.2.1 PHP:** PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.

It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.

**4.2.2 SQL:** which stands for **Structured Query Language** is a language to manage and communicate with databases. For instance, it is used for database creation, deletion, update rows by fetching rows, modifying rows, etc. SQL statements are used for tasks like updating data on a database or retrieving data from a database.

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Chapter5: Design

5.1 Use Case Diagram

Diagram

Description automatically generated