**Orange Coding Academy Bootcamp**

**Application Name: New Vision**

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Abstract

The story began since 1994 when the Internet became available to the public then the World Wide Web put a usable face on the Internet, the Internet has become a platform of choice for many Web applications. the Web has evolved from being a repository of pages used primarily for accessing static, mostly scientific, information to a powerful platform for application development and deployment.

New Web technologies, languages, and methodologies make it possible to create dynamic applications that represent a new model of cooperation and collaboration among large numbers of users.

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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.

1. Change account information:

Another feature for the user in this application is changing all info about him except his email because is unique and help to check the user account, but user cannot change his information without ensure his password and its should be correct to complete data changing operation.

1. Give feedback for specialized staff:

Also, user can give feedback in section contact us by fill the form by valid information, then the message and content will arrive to the admin to contact with the user later.

1. Shopping 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. **Products:**

1. Add:

Admin can add a new product with all required details such as: name, brief, category of product, pictures, summary, stock.

1. Update:

Admin can update any product 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 products.

1. Delete:

Admin can delete any product 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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* 1. **Orders:**

1. Approve:

Admin can check orders details and approve it if all information that inserted by the user all correct, after checking the mobile number.

1. Reject:

Admin can also reject the order if that needed.

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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

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5.2 Wireframe

Graphical user interface

Description automatically generated

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