

***PHP***

**Mock Project**

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RECORD OF CHANGES

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# Build the simple e-commerce website

For this mock project, we will be building an e-commerce website using the PHP/Laravel/Symfony/… and MySQL database. The website will allow users to browse, search and purchase products online. We will implement user authentication, shopping cart functionality, and payment processing using cash and send orders to users via email.

PART 1: DESIGN ANALYSIS & DATABASE BUILDING

* ERD design analysis (use <https://app.diagrams.net/> OR Designer of PhpMyAdmin OR <https://dbdiagram.io>)

Diagram

Description automatically generated

*Example: ERD with app.diagrams.net*

* Building the database using MySQL.

PART 2: BUILDING WEBSITE HAS THE FOLLOWING FEATURES:

Front end:

* ~~Home Page~~
* User Authentication: Users will be able to register an account and log in using their email and password.
* Product Listing Page: Users can browse product listings by category/all, and search for products by keyword
* Product Detail page: view product details with product name, description, price, and image
* Shopping Cart page: Users will be able to add and remove items from their cart before making a purchase.
* Checkout page: Users will select a payment method (Cash), shipping information
* ~~Completed payment page.~~

Back end:

* User management: add/edit/delete the user
* Product Management: add/edit/delete the product
* Order management: list/view ~~and process order status~~

Objectives:

Help students understand the process of developing a web application, understand the components of an e-commerce website as well as how to implement these components using the latest web technologies.

Problem Descriptions: An e-commerce website is necessary because it allows businesses to reach a wider audience, provide 24/7 access to their products and services, increase sales and revenue, and provide a convenient shopping experience for customers.

Assumptions: Your business needs to build an online sales website to boost sales, promote its flagship products worldwide, and operate automatically 24/7.

Technical Requirements:

Requires a basic understanding of web server technology.

* PHP/Laravel/Symfony
* MySQL
* Bootstrap & Jquery

Questions to answer:

* Seminars
* Demo the project.

Estimated Time to complete: 3 days

**-- THE END --**