**Server-Side Development Design Document**

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# Introduction

# Requirements list

## Non-functional requirements list

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement number | Requirement name | Description | Priority |
| 1 | Usability | The user will be able to use the website with ease and the user experience and interaction should be to the highest standard. | High |
| 2 | Functionality | The solution should work as intended with no unplanned errors. | High |
| 3 | Accessibility | The project should have features (eg, overlays and text settings) to allow for users who have accessibility needs to use the website with ease. | Medium |
| 4 | Reliability | The project must have an up time of 99.99% | High |
| 5 | Security | The project must be secure all data such as uses data. | High |
| 6 | Scalability & compatibility | The project must scale to different screen sizes depending on the screen size or device. It should work on all devices. | Medium. |

The priority system is a follows:

**High** – The up most importance

**Medium** – May be implanted or developed depending on the solutions development.

**Low** – isn’t important and most likely would be developed.

## Functional requirements list

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement number | Requirement name | Description | Priority |
| 1 | Sign-up | A user should be able to make an account to use the project. | High |
| 2 | Login | A user should be able to login to their account to use the project. | High |
| 3 | Home page | The project should have a home page that is displayed when they login-in or sign up. The page will show the most commonly should products. | High |
| 4 | Product pages | The project should be able to show products through a variety of pages. | High |
| 5 | Product Search | The project will have the ability to search for certain products. | High |
| 6 | Edit account | The project should allow a user to edit their details they created their account in. | High |
| 7 | Placing products for sale | A user will be able to place an item for sale. | High |
| 8 | Admin accounts | The project will have administrator accounts to monitor the usage of the project. | High |
| 9 | Administration viewing all your items for sale. | Administrator accounts should be able to view items that they have put for sale | High |
| 10 | Administration views all items that are for sale. | Administrator accounts should be able to view all items that are for sale. | High |
| 11 | Approved system | All Items need to be approved by an administrator account before they can be post for sale. | Medium |
| 12 | Administrator to remove items | An administrator account can remove any item for sale. | High |
| 13 | Administrator to edit items, | An administrator account can edit any item that is for sale. | High |
| 14 | Administrators view all users accounts. | An administrator account should be able to view anyone’s accounts | High |
| 15 | Administrators to delete a user’s account. | An administrator account should be able to delete a person’s account. | Medium |
| 16 | Administrators to edit a user’s account. | An administrator account should be able to edit a person’s account. | Medium |
| 17 | Upload image with item. | A user should be able to upload an image with an item | High |
| 18 | Rating system | A user will be able to give a product a rating | Medium |
| 19 | Average rating | A product will have an average based on the ratings uses gave that product. | Medium |
| 20 | Descriptive reviews | A user will be able to leave descriptive reviews on a product. | Medium |
| 21 | Messaging between users | Users may be able to message each other via the project | Low |
| 22 | Auction system (sell) | A user will be able to put a product up for auction. | Low |
| 23 | Auction system (buy) | A user should be able to take part in a auction. | Low |
| 24 | Basket system | A user should have access to a basket system, that stores the items they would like to buy. | High |
| 25 | Watch items system | A system where a user can watch an item and get notification when an item has changes made to it. | Medium |
| 26 | Stop sale of product | A user should be able to stop the sale of their products. | High |
| 27 | Delete account | A user will be able to delete their account. | High |
| 28 | Accessibility page | A user should have access to an accessibility page that allows them to turn on accessibility settings | Low |
| 29 | Cookies | The project will use to store the users preferences. | Low |
| 30 | User to view all their items for sale | The project will allow users to see all their products for sale. | High |
| 31 | View items that have been sold | The user will be able to see their products that have been sold | High |
| 32 | User to see their products that have yet been approved | The user will be able to see all their items that have not been approved. | High |
| 33 | Edit the users product | The user will be able to change the products they are selling | High |
| 34 | Delete a users product | The user will be able to delete their products when they are up for sale. | High |

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# Wire frames

# Web structure

# Data dictionary

# Entity Relationship Diagram

# Testing log & Testing plan