Hakim Braithwaite - Project Requirements

*Functional requirements*

## This section will be based on the priorities for the application

* Essential (E)
* Desired (D)
* Luxury (L)

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Requirements | Description | Priority |
| 1 | Room selection | The application should allow the user to select the type of room they want to design. | E |
| 2 | Main application | The application should allow users to view the main application. | E |
| 3 | Place down reference models | The application will allow the user to place down modelled object that represent the different furniture in a household. | E |
| 4 | Remove models | If the user doesn’t like their placement, they can remove the furniture from the space. | E |
| 5 | Move models around | If the user doesn’t like their placement, they can move the model wherever they want. | E |
| 6 | Prevent placements | If the object overlaps another object, the user should not be able to place it down. | E |
| 8 | Browse catalogue | When an item is placed, the user can search for something similar | E |
| 9 | Display list | Display the list of retrieved items that match fields entered | E |
| 10 | Enter prompt | The user should be able to enter prompts to find their desired items. | E |
| 11 | Doors and window placement | The user can place down doors and windows | D |
| 12 | Enter dimensions | The user can have the option to enter the dimensions for the room they are creating. | D |
| 13 | Total | The items that are placed should end up totalling to a price | D |
| 14 | Save file | The application should be able to save the scene to the users local computer | D |

*Non-functional requirements*

## This section will be based on the priorities for the application

* Essential (E)
* Desired (D)
* Luxury (L)

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Requirements | Description | Priority |
| 1 | Pull requesting | The API used for application should be able to handle pull requests | E |
| 2 | Availability | The application should be available, and APIs should be updated. | L |
| 3 | Data encryption | Files being saved or retrieved should be encrypted and decrypted. | D |
| 4 | Cross-browser | The web app should be able to run on different web browsers such as google, Firefox and others | E |
| 5 | File upload speed | File upload and download speed should be handled efficiently without problems. | E |
| 6 | GDPR compliance | The web app should comply with the GDPR regulations and/or other privacy laws. | E |
| 7 | Uptime | The web app should be almost available all time, minimising the amount of downtime for maintenance. | E |