**Mohammed Muwanga**

**Activity Report**

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**Project: ARTEMUBLE (*Web System*)**

**Date:8th/03/2022**

**Tasks**

**Functional requirement Implementation**

* **Implement User-upload layout to the system.**
* **Use JavaScript (fabric.js framework) to enable user to add dimensional lines to the uploaded image (Layout diagram).**

**Date:9th/03/2022**

**Tasks**

**Functional requirement Implementation**

* **Use JavaScript (fabric.js framework) to enable user to add dimensional lines to the uploaded image (Layout diagram).**

**Date:10th/03/2022**

**Tasks**

* **Implement functionality of adding dimensions to uploaded layout using mouse.**
  + **Client uploads layout from their computers to Artemeube system**
  + **Client uses mouse to draw line over the uploaded layout indicating the length of the wall.**

**Date:11th/03/2022**

**Tasks**

* **Implement functionality of adding dimensions to uploaded layout using mouse.**
  + **Client uploads layout from their computers to Artemeube system**
  + **Client uses mouse to draw line over the uploaded layout indicating the length of the wall.**

**Date:12th/03/2022**

**Tasks**

* **Redesign and implement database: store the various products available for sale by Artemeube System users.**
* **Implement image storage and retrieval of the uploaded layouts to database.**
* **Implement data(text) storage and retrieval of all objects in and form the database.**

**Date:14th/03/2022**

**Tasks**

* **Implement mouse coordinates capture, measure line distance drawn by mouse and store results of the calculation in an array.**
* **Resolve errors in mouse capture due to fabric.js instability**
* **Implement database query for products storage and retrieval for the classical products.**
  + **Use joins to query all the 3 tables at once (products, dimensions, designs tables).**
* **Normalise database tables**

**Date:15th/03/2022**

**Tasks**

* **Using a mouse to draw walls and capture dimensions Completed.**
* **Re-implement database to match new changes. Included dimensions table with product\_id as a foreign key.**
* **Make database connection to insert all products information through the admin-panel section.**
* **Implement database query statements for classical, modern, and contemporary items: to and from the database**
* **Make comparison between stored products dimensions data with captured mouse distance moved to indicate wall dimensions**