# Software Capstone Final report COMP – 10246

## Paragraph Description

People often have creative thoughts about crafting their own drawings, and the desire to share those artworks. The problem is there aren’t many websites that allow you to accomplish this in a quick and simple manner. The web application is meant to provide a platform for users to publish, sell, and buy artworks without being too time-consuming. The website can also be used to display portfolios for up-and-coming artists to simply wants to display their talent.

## Functionality Chart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Feature | Buyer/Seller (role 1) | Admin (role 2) | Guest (role 3) | Finished |
| Create account | ✓ | ✓ | ✓ | ✓ |
| Login to existing account | ✓ | ✓ |  | ✓ |
| Access homepage | ✓ | ✓ | ✓ | ✓ |
| Search/filters on artworks to purchase | ✓ | ✓ | ✓ |  |
| CRUD on artworks to sell (main collection) | ✓ |  |  | Partial |
| Minimum access to decorate your gallery page | ✓ |  |  | ✓ |
| Purchase with payment processor (Include shopping cart to purchase multiple artworks in one transaction) | ✓ |  |  | Partial |
| Messaging system (messages between buyers and sellers) | ✓ |  |  |  |
| Rate sellers, search for sellers | ✓ |  |  | ✓ |
| Edit main site banner, most popular seller list |  | ✓ |  | ✓ |
| Reports and filters  -recent sales  -most prolific sellers  -total $ sales  -per time period  -per Seller  -most viewed artwork |  | ✓ |  | Partial |
| View and manage reports |  | ✓ |  |  |
| Discussion forum | ✓ |  |  |  |
| Select favorites | ✓ |  |  |  |

## Functionality Proposed but not completed

Deployment was unsuccessful due to complications with GitHub.

Front-end Sign in and register is not completed only works through postman and backend API.

Favorites has not been implemented.

Messaging was not implemented.

A discussion page was not implemented.

Admin Statistic report is only available in the backend.

## Summary of the Functionality

Most Screens can be displayed on a local setting.

The products are shown on the main screen, and they can be added to the cart.

Login and Register page created.

Backend API Allows for filter by category and date.

Backend API checks for user authentication.

Backend API Stores user carts.

Backend API Allows Users with permissions to update delete publish on to database.

Backend API hashes given password.

Backend API Create session token to check if the user is authenticated.

Main Screen

Graphical user interface, website

Description automatically generated

Login Page

Graphical user interface, text, application, website

Description automatically generated

Register Page

Graphical user interface, text, application, Teams

Description automatically generated

About Page

Graphical user interface, text, application

Description automatically generated

Cart Items Empty

Graphical user interface, application, website

Description automatically generated

Cart with item

Chart

Description automatically generated with medium confidence

Any Extension of Functionality

Error handling page

Graphical user interface, application

Description automatically generated

Tests

Post new Product with authentication

Graphical user interface, text, application, email

Description automatically generated

Login Authentication

Graphical user interface, text, application, email

Description automatically generated

Get User Count

Graphical user interface, text, application, email

Description automatically generated

**Local Run Instruction (I am so sorry I could not fix the deployment in time)**

With nodemon and npm installed

Start terminal on backend

Type - npm install

Type – npm start

Start terminal on frontend

Type - npm install

Type – npm start