UAT Test Plan for Group 7

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1. Scope

1.1. Objectives and business requirements

The goal of this user acceptance test is to ensure that our client is happy with the product and agrees that all of features that were accepted on as requirements are there, the accepted upon features are AI image generation and painting tool

We will measure success by whether or not the client agrees that the client approves that features were added successfully and the goals we agreed on have been achieved.

1.2. Scope

For this UAT test, we'd like to:

- Invite the client to make use the of the app
- Get feedback on whether they agree that all of the features they are looking for have been implemented successfully
- We are testing the site as a whole, including login, registration, AI image generation and drawing

2. Testing team

Name	Responsibilities
Samuel Stevens	UAT Supervisor – On hand during UAT to answer any questions the client may have
Daniel Stevens	UAT Supervisor – On hand during UAT to answer any questions the client may have
Will Keogh	Modifying product based on feedback
Daniel Taylor	Modifying product based on feedback

3. Milestones and deliverables

3.1. Design & testing process

The testing will occur in 4 stages:

1. Staging environment: set up by Samuel and Daniel, setting up the laptop containing the product in its entirety.
2. UAT execution: Create test steps and then upon test start lead the client through the steps
3. Reporting: Gain the clients signature to show that they agree that product is complete and the agreed upon targets have been met

Deadline for design & testing process: May 6 2025.

3.2. Staging environment

Our staging environment is either an in person meeting with the client or a remote session providing the client access to the device that has the product running and giving them control so that they can test the product according to the steps
Deadline for staging environment: May 6, 2025

3.3. Training

The Client will have access to a handbook with instructions for use for the product.

3.4. UAT Execution

Execution will take place on the 5th of may if the client agrees to meet for UAT

Steps:

1) Onboarding. Meet with the client and setup the testing device
2) Test case execution. The client will be given the list of features to test and then can confirm with a team member when each test has been completed.
3) Once done, provide the client the UAT document for sign off is they agree that the product is complete

Deadline for UAT execution: May 6 2025

3.5. Reporting & data analysis

Discussion with team about possible future improvement of the product according to what the client has said.

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Deadline for reporting & data analysis: May 6 2025

4. Environmental requirements

4.1. Hardware requirements

Minimum Hardware requirements[1]

- **OS:** Windows 10
- **Processor:** 1 gigahertz (GHz) or faster processor or SoC
- **RAM:** 1 gigabyte (GB) for 32-bit or 2 GB for 64-bit
- **Hard disk space:** 16 GB for 32-bit OS or 20 GB for 64-bit OS
- **Graphics card:** DirectX 9 or later with WDDM 1.0 driver
- **Display:** 800 x 600

4.2. Software requirements

The node server and its extensions are needed because the sever is locally hosted. VS code and the live server extension are needed for the running the pages locally due to the server not working with running the site directly out of the files and the most simple solution is the use of Live Server

1. Windows 10/11
2. Node.JS/Node packet Manager
3. A modern browser(Firefox, Edge, Google Chrome, Opera, Opera GX)
4. Bcryptjs
5. Cors
6. Express
7. Express-session
8. Mssql
9. Node-fetch
10. Swagger-ui-express
11. Swagger-jsdoc
12. Visual Studio Code
13. VS code Live Server extension

5. Features to be tested

5.1. Registration

5.1.1. Pass/fail criteria

- **Pass:** You can register a new user account
- **Fail:** You cannot register a new user account

5.1.2. Test cases

1) Open the registration page.
2) Fill out the boxes with the needed details
3) Click register

5.2. Login

5.2.1. Pass/fail criteria

- Pass: You can successfully login to the site.
- Fail: You cannot login to the site.

5.2.2. Test cases

1. Open the login page
2. Fill out the email and password
3. Click login

5.3. Drawing/paint tool features

Pass/Fail criteria

- **Pass: The drawing tool and its features work**
- **Fail: the drawing tool does not function and the other features do not work**

Test cases

1. Open the main page
2. Click and draw on the canvas
3. Click the eraser button and erase some of the drawing
4. Click the image button and add an image and move it

5.4. AI Generation tool

Pass/Fail criteria

- Pass: Image is generated
- Fail: Image is not generated

Test cases

1. Enter a prompt
2. Choose 256x256 for cost purposes
3. Click generate

6. Signoff

I hereby accept this final product. (Yes/No) _____ (Signature) Anthony Edwards, Demonstrator, University of Plymouth Date:

References

1. https://support.microsoft.com/en-gb/windows/windows-10-system-requirements-6d4e9a79-66bf-7950-467c-795cf0386715