**Test Cases Document for ArtiGaN**

SP22 CSCI-P446 Capstone RF 7

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**Web page Accessibility Test**

| **Test Case #:** 1  **System:** Frontend Web page  **Designed By:** Nathanael L. Mann, Mark Bridgewater  **Executed By:** Mark Bridgewater  **Description:** This test checks if the user can access and navigate the web page. | **Test Case Name:** Web page Accessibility  **Subsystem:** Angular CLI/Node.js  **Design Date:** 2/15/2022  **Execution Date:** |
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| **Pre-conditions**  The local server is running and the website is being served by the Angular CLI using Node.js.  The user is using the Chrome Browser. |
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| **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comment** |
| --- | --- | --- | --- | --- |
| 1 | Enter ‘localhost:4200’ into the browser | Home page loads with correct UI elements |  |  |
| 2 | Click ‘Gallery’ Button | Gallery page loads with correct UI elements/assets |  |  |
| 3 | Click ‘About Us’ Button | About Us page loads with correct UI elements |  |  |
| 4 | Click ‘Home’ Button | Home page loads with correct UI elements |  |  |

| **Post Conditions**  None |
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**GaN Image Size Output Test**

| **Test Case #:** 2  **System:** GaN  **Designed By:** Nathanael L. Mann, Joshua Carrier  **Executed By:** Joshua Carrier  **Description:** Ensuring the size of image outputs is as expected | **Test Case Name:** Image Size Output  **Subsystem:** Image Output  **Design Date:** 2/18/2022  **Execution Date:** |
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| **Pre-conditions**  GaN is running, and enough memory is available for the program to use.  The shape of an image is represented as X\*Y\*Z where:  X = Image Width  Y = Image Height  Z = Quantity of RGB values |
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| **Step** | **Action** | **Expected System Response** | **Pass/Fail** | **Comment** |
| --- | --- | --- | --- | --- |
| 1 | Start Arti-GaN | The first layer outputs an image with a shape of 56\*75\*24 |  |  |
| 2 | Continue running Arti-GaN | The second layer outputs an image with a shape of 56\*75\*12 |  |  |
| 3 | Continue running Arti-GaN | The third layer outputs an image with a shape of 168\*225\*6 |  |  |
| 4 | Continue running Arti-GaN | The final layer outputs an image with a shape of 336\*450\*3 |  |  |
| 6 | Stop Arti-Gan | An image should be returned from the GaN |  |  |

| **Post Conditions**  A new 336\*450\*3 image has been output by the system. |
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