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Test Cases

Test Name: Ecosystem Selection
Test Type: System test
Prerequisites: Access to Chrome browser
Testing Steps:

1. Load the application in the browser.

    a. Expected results:

        i. The ecosystem selection globe is presented to them after the loading screen appears. Globe has to rotate on its y axis.

    b. Actual results:

        i. Globe is rendered correctly and rotates on its y axis.

        ii.

2. Look at the UI to get instructions.

    a. Expected results:

        i. The UI should have information about how to use the menu to select an ecosystem.

    b. Actual results:

        i.

Luis Palomino Trevilla A01228574
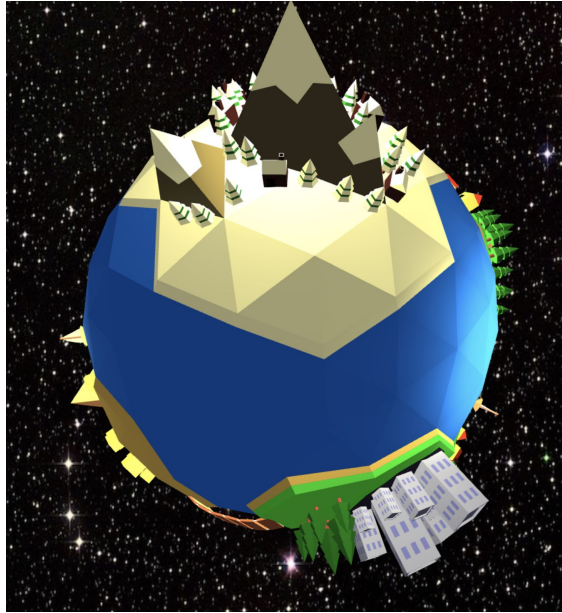Brian Reyes Gálvez A01633401
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3. Move around the camera to see all available ecosystems.

    a. Expected results:

        i. User is able to move around the camera while the globe is still rotating.

    b. Actual results:

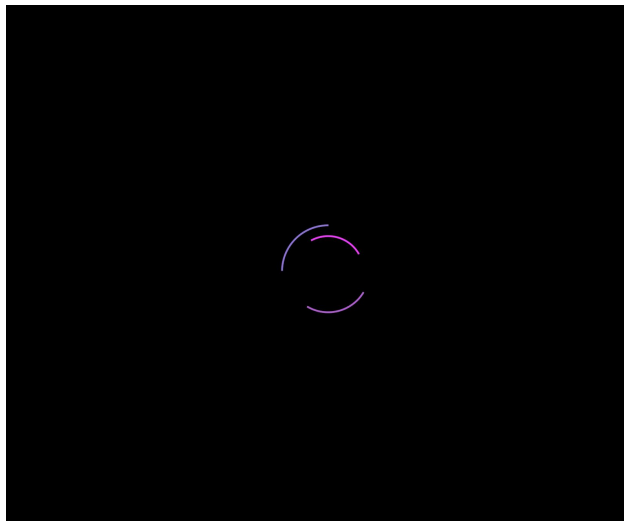   i. Camera can be rotated to look at the top side of the globe.

ii.

4. User clicks on any available ecosystem, the menu scene is disposed and the selected ecosystem scene is loaded.

    a. Expected results:

        i. Loading screen is shown when user clicks on an environment.

    b. Actual results:

        i. Loading screen is displayed before the screen is rendered.

ii.

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Test Name: Living Organism Visualization

Test Type: System test

Prerequisites: Access to Chrome browser and selection of an ecosystem

Testing Steps:

1. Click on the tiger.

    a. Expected results:

        i. The camera makes a smooth animation from its position to the selected organism's (tiger) position to focus on it.

    b. Actual results:

        i. First image represents the camera's initial position. Second image is the camera that moved to focus the tiger.

    ii.

    iii.

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2. Look at the UI to see information of the tiger.

    a. Expected results:

        i. The UI shows information about the selected organism (tiger).

    b. Actual results:

Bengal Tiger

Panthera tigris

Tigers live alone and aggressively scent-mark large territories to keep their rivals away. They lie in wait and creep close enough to attack their victims with a quick spring and a fatal pounce. Despite their fearsome reputation, most tigers avoid humans; however, a few do become dangerous maneaters. These animals are often sick and unable to hunt normally, or live in an area where their traditional prey has vanished.

        i.

3. Move the camera around.

    a. Expected results:

        i. Camera can still be moved around but the target of the camera is now the selected organism (tiger).

    b. Actual results:

        i.

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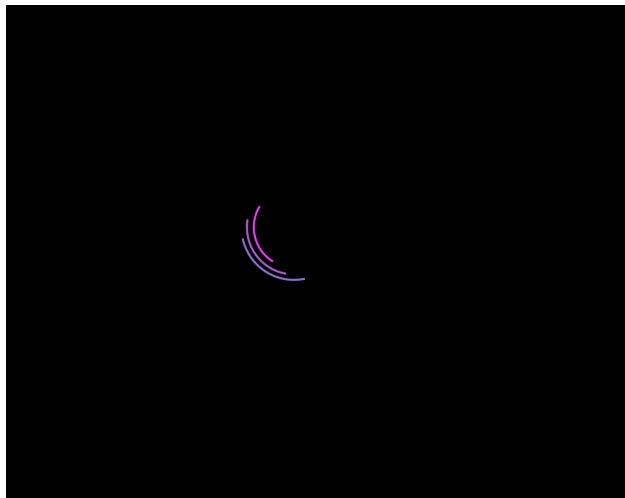**Test Name**: Return to Ecosystem Selection Menu

Test Type: System test

Prerequisites: Access to Chrome browser and selection of an ecosystem

Testing Steps:

4. Once inside the ecosystem, click on the *go back* button in the UI.

   a. Expected results:

      i. Loading screen is shown first and then the ecosystem selection screen is rendered.

   b. Actual results:

      i. First image shows the loading screen being rendered. Second image shows the ecosystem selection screen.

      ii.

      iii.