DES643: Project Solar System

Documentation

Group Name: TechFallsHere

Introduction:

The given application starts with the solar system view from a space-ship. User can go close to any of the planets shown in the view with a simple focus and select. User can also learn certain info about that celestial body. There is an option to turn off/on the windshield that can be used by the user to get maximum view of the Scene without any obstructions. Another view has just the Sun and the Earth and is used to understand effects of Earth's tilt on its seasons.

Figure: Initial Scene

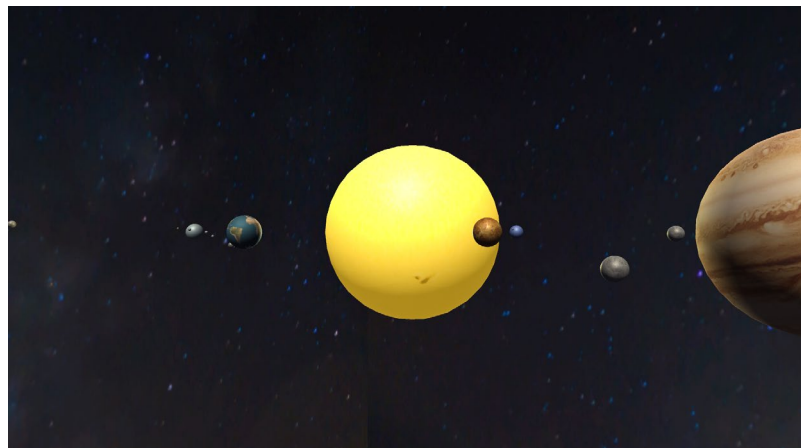## Controls:

1. Move mouse to pan around in the scene.

Figure: Toggling the windshield off to maximize the view

2. Press **W** to jump out of the space-shuttle or jump back inside.
3. Point the cursor on any celestial body and press **'Space'** key to select that object. It will put that body in focus and fix the camera position near it.
4. While selected, again point the cursor on that body and press the **'Space'** to toggle on/off the **Info Panel**.

Figure: A planet in focus with some details

5. **Left click** the mouse anywhere to go back to **Sun** in focus.
6. Press **E** to toggle between complete **Solar System** and **Season View**.

Figure: Season View

Drive link for downloading the application and viewing demo:
https://drive.google.com/drive/folders/1EzhSsmro6u08THwhvdPbaayk5oeOttKC?usp=share_link