Name: Kenneth Seterra

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| --- | --- | --- | --- | --- | --- |
| **My CW2 submission fulfills are conditions to pass:** | | | | | |
| Software compiles | | Yes | | | |
| Populated Git repo consistent with DLE submission exists | | Git link: <https://github.com/ZekKen243/COMP3015_REF_2> | | | |
| At least 1 shader from Lecture 5-10 implemented on CW1 model/scene | | List all CW2 features here and bold the one claimed:  **PBR (Roughness, Metallic, Fresnel)** | | | |
| Write up and video explanation submitted | | Filenames: readme.md YouTube: <https://youtu.be/5ehiHo3dwSI> | | | |
| By submitting this form, I acknowledge the following submission is entirely my own work | | Yes | | | |
| **My CW2 project has the following features** | | | | | |
| **Feature** | **Description** | | **Category** | **Marks** | **Checklist (Cross the ones that are NA)** |
| Camera | Implemented a camera class and header for the user to control around the scene with WASD, Left Ctrl, Space and the mouse to look around | |  |  |  |
| Skybox | Custom cube map skybox with custom texture | |  |  |  |
| Lighting | Point light located inside the sun object | |  |  |  |
| Models | Sun, Planet, and Moon object implemented as a simple sphere.obj | |  |  |  |
| Textures | Custom textures for Sun, Planet, Moon, Cloud, and Nebula hdr textures | |  |  |  |
| Object control | Can stop or play the spin and orbit of Planet with “O” | |  |  |  |
| PBR materials | Roughness and Metallic attributes on Planet and Moon | |  |  |  |
| Fresnel | Fresnel effect that is enhanced from a Metallic object | |  |  |  |
| (Attempted) two-step Gaussian blur | Fragment shaders and some commented out code implemented to try and simulate a two-step Gaussian blur (only attempted, confirmed not working) | |  |  |  |
|  |  | |  |  |  |
| Feature Marks (Basic and Advanced) | | |  |  |  |
| Passing Marks | | |  |  |  |
| Research and Gamification | | |  |  |  |
| Aesthetics | | |  |  |  |
| Minimum marks expected | | |  |  |  |

\*By submitting this form I acknowledge all the information claimed to be true.