Name:Yusen Wang

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| **MyCOMP3015 CW1 submission fulfils the conditions to pass:** | | | | | |
| Software compiles using given framework. | | Yes | | | |
| My submission has a unique model in the scene. | | https://github.com/KhronosGroup/glTF-Sample-Models/tree/main/2.0/ToyCar | | | |
| Git, write up and video explanation submitted | | Filenames: readme.mdYoutube: https://youtu.be/qacoU8qks2Y  Git repo: git@github.com:YusenWang100/3015CW1.git | | | |
| By submitting this form, I acknowledge the following submission is entirely my own work | | Yes | | | |
| **My project has the following features** | | | | | |
| **Feature** | **Description** | | **Category** | **Marks** | **Checklist (Cross the ones that are NA)** |
| Basic lighting | I implemented BlinnPhong lighting and Diffuse in the fragment shader. | | Basic – basic lighting | 5 | GIT Video |
| Textures | I have done basic texture sampling for my model | | Basic – basic textures | 2.5 | GIT Video Report |
| Lighting subtechnique | I implemented fog and spot light | | Basic – Lighting subtechnique | 5 | GIT Video Report |
| Skybox | I have a skybox implemented using CloudyCrown\_Midday\_Back.png, CloudyCrown\_Midday\_Down.png,  CloudyCrown\_Midday\_Front.png,  CloudyCrown\_Midday\_Left.png,  CloudyCrown\_Midday\_Right.png,  CloudyCrown\_Midday\_Up.png files. | | Basic - skybox | 5 | GIT Report |
| Animation controls | My scenarios use the keyboard to move the puppy and the mouse to roam to animate the keyboard and mouse. | | Advanced | 5 | GIT Video |
| Processing Technique | I use blur as a gaussian filter, and use gaussian filter to filter the colorattchment, note that this shader only one-way (horizontal/vertical) filtering, according to the separable characteristics of gaussian filtering, you need to alternate a this is a complete filtering process. Repeat this process 20 times to get a more ideal bloom effect. | | Advanced | 2.5 | GIT Report |
| Animation of light | I created two new cars with headlights that can flash all the time as my light animation. | | Advanced | 2.5 | GIT Video Report |
| Feature Marks (Basic and Advanced) | | |  | 27.5 |  |
| Passing Marks | | |  | 40 |  |
| Aesthetics (module leader) | | |  |  |  |
| Total | | |  | 67.5 |  |

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