CS3242 Modeling Lab Assignment Instructions

There are two stages of submissions. Missing the submission deadlines will result in deduction of marks. The penalty will 1% deduction per hour.

# First Summary Form Submission

Please fill out the “Submission Summary Form” below and upload to “Modelling Assignments Summary Report Submissions” folder in Luminus by 23rd April 11:50pm. Please prepend your student number to your file name before submission, e.g. “A12345678X\_Submission\_Forms.doc”.

In the last part of the Final task, please write in any format to show what have you done (e.g. screenshots, code descriptions, etc.) or some demonstration of what your code can do or cannot do.

You can delete this current page of instruction before submission.

# Zoom Presentations

We will arrange individual Zoom presentation. For each meeting, we will roughly spend 5 min on the main/optional tasks and 10 min on the Final Boss. Please be prepare to show the evidences that you can perform the above tasks in your program and get ready to answer some of the questions in the code.

# Final Submission

We will expect some minor suggestions or improvements in the previous Zoom presentations. After you polish your projects, please submit your code and any .obj files (or other files) that you used to prove your work.

For your code, please zip up your project in one zip file **AFTER** you clean up your project. Cleaning up means removing all the debug information, etc. For example, you can find “clean” under the project tab. And upload your .zip to the “Final Task Submission Folder” in Luminus.

Again, please **prepend your student number before your file name** for both .zip file and .obj files.

You should submit all your work **before 26th April 11:59pm**.

Final Submission form

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Task Checklist

Please state your percentage of completion for each items. If it’s not 100%, please state clearly what you have done or what you have not done.

|  |  |  |
| --- | --- | --- |
| Tasks | Completion Level |  |
| **Computing Normal Vectors (main, 20 marks)** |  |  |
| **Compute Angle Statistics (main, 30 marks)** |  |  |
| **Write an OBJ file (main, 20 marks)** |  |  |
| **Read Some Other Type of Files Other Than OBJ (optional, 20 marks)** |  |  |
| **Implement enext(), sym() (20 marks, main)** |  |  |
| **Implement org(), dest() (20 marks, main)**  . |  |  |
| **Implement fnext() (80 marks, main)** |  |  |
| **Compute the Number of Components (20 marks, optional)** |  |  |
| **Implement orientTriangles() (20 marks, optional)** |  |  |
| **Compute Vertex Normal Vectors for Smooth Shading (10 marks, optional)** |  |  |
| **Visualize boundary edges (10 marks, optional)** |  |  |
| **Implementing Selection of Triangle by User Marquee (20 marks, optional)** |  |  |

# Final Task

Please state what you have done in your final boss task.

Topics: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Deliverables:

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