



University of Nevada, Reno

CS 480/680: Computer Graphics
Fall 2017
Solar System Demo Day

Evaluator: _____ Please Circle one (480 or 680)

Project By: _____ Please Circle one (480 or 680)

Basic (30 Pts)

- | | | |
|--|-----------------|-------|
| • Model loading | (4 pts) | _____ |
| • Textures | (4 pts) | _____ |
| • All planets | (8 pts) | _____ |
| • Pluto | (1 pts) | _____ |
| • Satellites | (4 pts) | _____ |
| • Sun | (1 pts) | _____ |
| • Some type of interactive controls to change the view | (8 pts) | _____ |
| | SUBTOTAL | _____ |

Planets (50 Pts)

- | | | |
|--|-----------------|-------|
| • Orbit | (6 pts) | _____ |
| • Rotate | (6 pts) | _____ |
| • Satellites orbit their planet | (6 pts) | _____ |
| • Sizes are accurate (with respect to the other planets) | (7 pts) | _____ |
| • Orbit paths are accurate (with respect to the other planets) | (7 pts) | _____ |
| • Orbit speeds are accurate (with respect to the other planets) | (7 pts) | _____ |
| • Rotate speeds are accurate (with respect to the other planets) | (7 pts) | _____ |
| • Saturn rings | (4 pts) | _____ |
| | SUBTOTAL | _____ |

Grad Requirements [EC for Undergrad groups] (4 Pts)

- | | | |
|---------------------------------------|-----------------|-------|
| • Live adjustment of simulation speed | (2 pts) | _____ |
| • Configuration file | (2 pts) | _____ |
| | SUBTOTAL | _____ |

Extra Credit: Note 15 pts Max on ALL EC

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|--|-----------------|-------|
| • Draws planet orbit path | (5 pts) | _____ |
| • Option to go from actual data to scaled view | (5 pts) | _____ |
| • Proper Rings on other planets (2 pts each – up to 6) | (__ pts) | _____ |
| • _____ | (5 pts) | _____ |
| • _____ | (5 pts) | _____ |
| | SUBTOTAL | _____ |

Documentation and Code (15 Pts)

- | | | |
|---|-----------------|-------|
| • Brief instruction manual (Controls, etc.) | (5 pts) | _____ |
| • Code (Compiles, Documented) | (10 pts) | _____ |
| | SUBTOTAL | _____ |

GRAND TOTAL: _____

MISC:

- Is this better than the one you did? _____
- Should this project be nominated for Best in the class? _____
- Comments: