

**CS 480/680: Computer Graphics**

**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**

* 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: