CS 480/680: Computer Graphics
Pinball Demo Day

University of Nevada, Reno

Evaluator:_____ Please Circle one (480 or 680)

Project By: _____Please Circle one (480 or 680)

Basic (13 Pts)
- Models: Ball   (1 pts)   _____
- Models: Board   (1 pts)   _____
- Models: 2 Flippers   (1 pts)   _____
- Models: Cylinder Bumpers   (1 pts)   _____
- Models: Back Board (Vert. splashboard at the top of the game)   (1 pts)   _____
- Models: Plunger   (1 pts)   _____
- Movable Viewpoint (Camera)   (2 pts)   _____
- Textures   (2 pts)   _____
- Scoring (in terminal)   (1 pts)   _____
- Game Logic (3 balls before game over)   (2 pts)   _____

SUBTOTAL   _____

Bullet (13 Pts)
- Proper Collision Detection   (5 pts)   _____
- Gravity for Ball   (2 pts)   _____
- Paddles that move and work appropriately   (2 pts)   _____
- Ball plunger to start the game   (2 pts)   _____
- Ball not leaving the board   (2 pts)   _____

SUBTOTAL   _____

Lighting (22 pts)
- Ambient (adjustable up and down)   (2 pts)   _____
- Specular (adjustable up and down)   (3 pts)   _____
- Color [diffuse]   (2 pts)   _____
- Per Vertex lighting   (4 pts)   _____
- Per Fragment lighting   (4 pts)   _____
- The ability to switch between Per Ver and Per Frag (at runtime) (2 pts)   _____
- Spotlight   (2 pts)   _____
- Multiple Lights   (3 pts)   _____

SUBTOTAL   _____

Grad Requirements [EC for Undergrad groups] (2 Pts)
- Plunger intensity (power) changes via kbd   (1 pts)   _____
- Spotlight that follows the ball (w/ radius and intensity adjustable (1 pts)   _____

SUBTOTAL   _____

Extra Credit: Note 10 pts Max on ALL EC

- Game Replay   (1 pts)   _____
- Sound Effects   (1 pts)   _____
- Score in game on Splash Board   (1 pts)   _____
- Top 10 Scoreboard   (1 pts)   _____
- Bumpers that bounce and light when hit   (1 pts)   _____
- Multiple Balls   (1 pts)   _____
- _____   (1 pts)   _____
- _____   (1 pts)   _____
- _____   (1 pts)   _____
- _____   (1 pts)   _____
-

           SUBTOTAL   _____

Documentation and Code (25 Pts)

- Report Folder   (1 pts)   _____
- Title Page (with name and project)   (1 pts)   _____
- Overview (Did they list EC)   (3 pts)   _____
- User Manual (with Screen Shots)   (5 pts)   _____
- Tech manual (Issues, what they would do differently)   (5 pts)   _____
- Design/Implementation/Evaluation Considerations   (5 pts)   _____
- Code (Compiles, Documented)   (5 pts)   _____

           SUBTOTAL   _____

           GRAND TOTAL: _____

MISC:

- Is this better than the one you did? _____

- Should this project be nominated for Best in the class? _____

- Comments: