Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Super Asteroids Grading Rubric**

**Data Importer**

* Run the importer. *(If you can’t see any data in the program (no drawing of objects etc), copy the DB from the Android device to a PC and view the DB using Firefox SQLite plugin.)* Has the database been populated with data from the JSON config file. (18 pts) \_\_\_\_

**Ship builder**

* Respond to fling touch input (5 pts) \_\_\_\_
* Display correct parts from the database (5 pts) \_\_\_\_
* Respond to ship part selection (3 pts) \_\_\_\_
* Correct labeling of helper arrows (3 pts) \_\_\_\_
* Initially disable the “Start Game” button, and enable when ship building complete (3 pts) \_\_\_\_
* Respond to pressing the “Start Game button” (Goes to the game “space” screen) (5 pts) \_\_\_\_

**Quick button**

Can you push the button and the screen is changed to the game screen with at least a background (5 pts) \_\_\_\_

**The Game**

* Game Viewport
  + Does the view port follow the ship around the screen (5 pts) \_\_\_\_
  + Can the ship go to the edge of the screen (does the view port stop moving when at the edge of the map) (5 pts) \_\_\_\_
* Draw the background (3 pts) \_\_\_\_
* Draw the background objects (3 pts) \_\_\_\_
* Draw the ship (could also be verified in the ship builder) (7 pts) \_\_\_\_
* Move the ship (7 pts) \_\_\_\_
* Fire projectiles
  + Does the projectile correctly leave the ship (4 pts) \_\_\_\_
  + Does the “attack sound” play (2 pts) \_\_\_\_
* Create asteroids
  + Do they move (3 pts) \_\_\_\_
  + Do smaller asteroids appear when larger ones are destroyed (4 pts) \_\_\_\_
* Draw the mini map (5 pts) \_\_\_\_
* (EXTRA CREDIT) Does the Quadtree code exist and is used (5 pts)\* \_\_\_\_
* Is there correct collision behavior (4 pts) \_\_\_\_
* Transition to next level (3 pts) \_\_\_\_
* (EXTRA CREDIT) Next level transition (3 pts) \_\_\_\_

*(\*) means this part can’t be verified at run time, but will have to be checked in source code.*