HW2– Elevator Thread Project Grade Sheet

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

**GUI Application Class**

Instantiation, initialization and starting of Threads (2 points) \_\_\_\_\_\_

Elevator with 11 floors along with 5 People shown at startup (3 points) \_\_\_\_\_\_

Proper timing for entry and display of information (4 points) \_\_\_\_\_\_

Usability/Understandability of User Interface (graphical or text) (5 points) \_\_\_\_\_\_

**Person Class**

Separate Thread for each person and a unique ID (3 points) \_\_\_\_\_\_

Thread class methods (constructor/run/sleep) (3 points) \_\_\_\_\_\_

Ability to call elevator (3 points) \_\_\_\_\_\_

Ability to enter destination floor (3 points) \_\_\_\_\_\_

Proper use of synchronized methods (3 points) \_\_\_\_\_\_

Display of status information (person status, floor/elevator floor) (3 points) \_\_\_\_\_\_

**Elevator Class**

Thread class methods (constructor/run/sleep) (2 points) \_\_\_\_\_\_

Management of floor and people information (5 points) \_\_\_\_\_\_

Proper elevator movement and stops (5 points) \_\_\_\_\_\_

Proper use of synchronized methods (2 points) \_\_\_\_\_\_

Text or graphic display of elevator status (current floor, direction) (4 points) \_\_\_\_\_\_

Total Points (50): \_\_\_\_\_\_