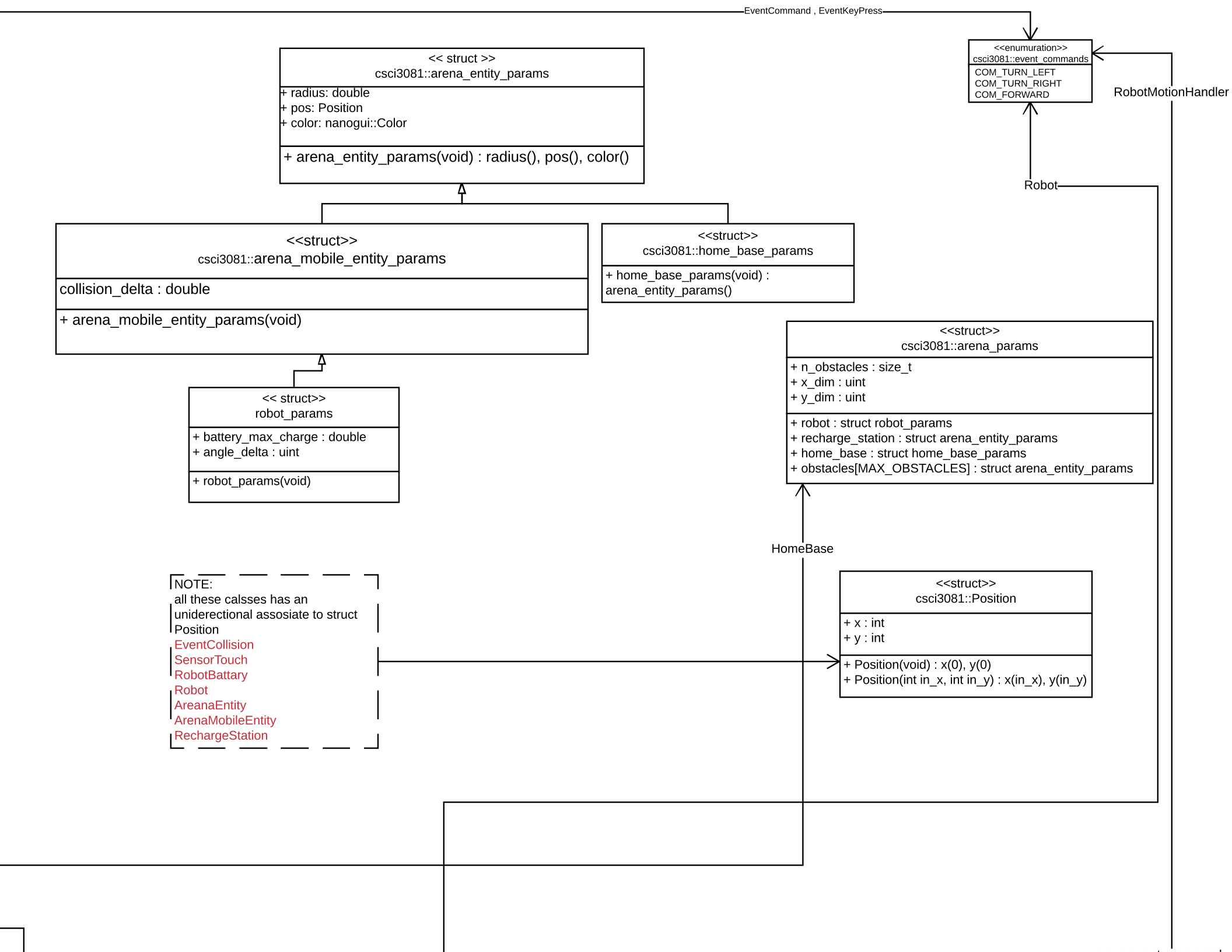
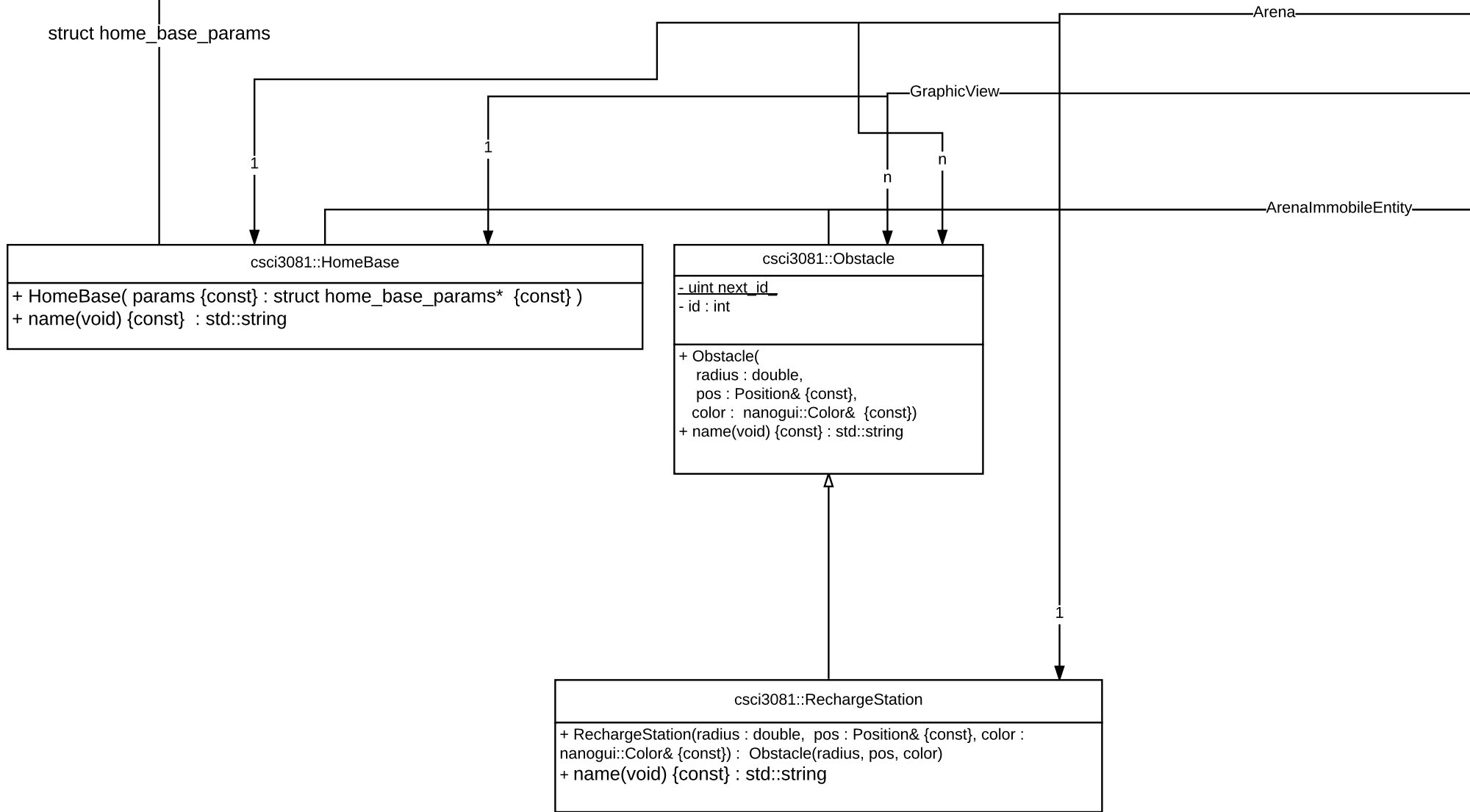
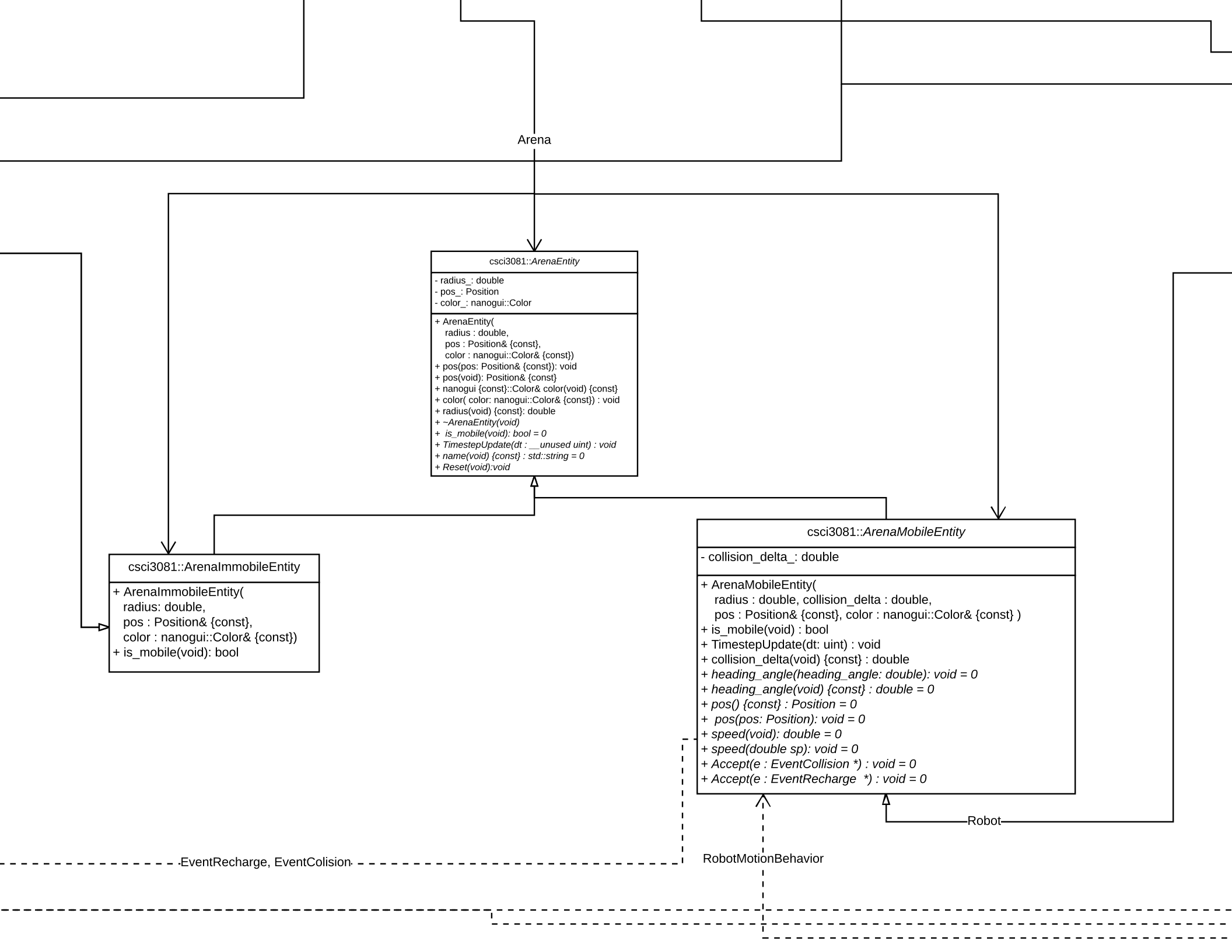
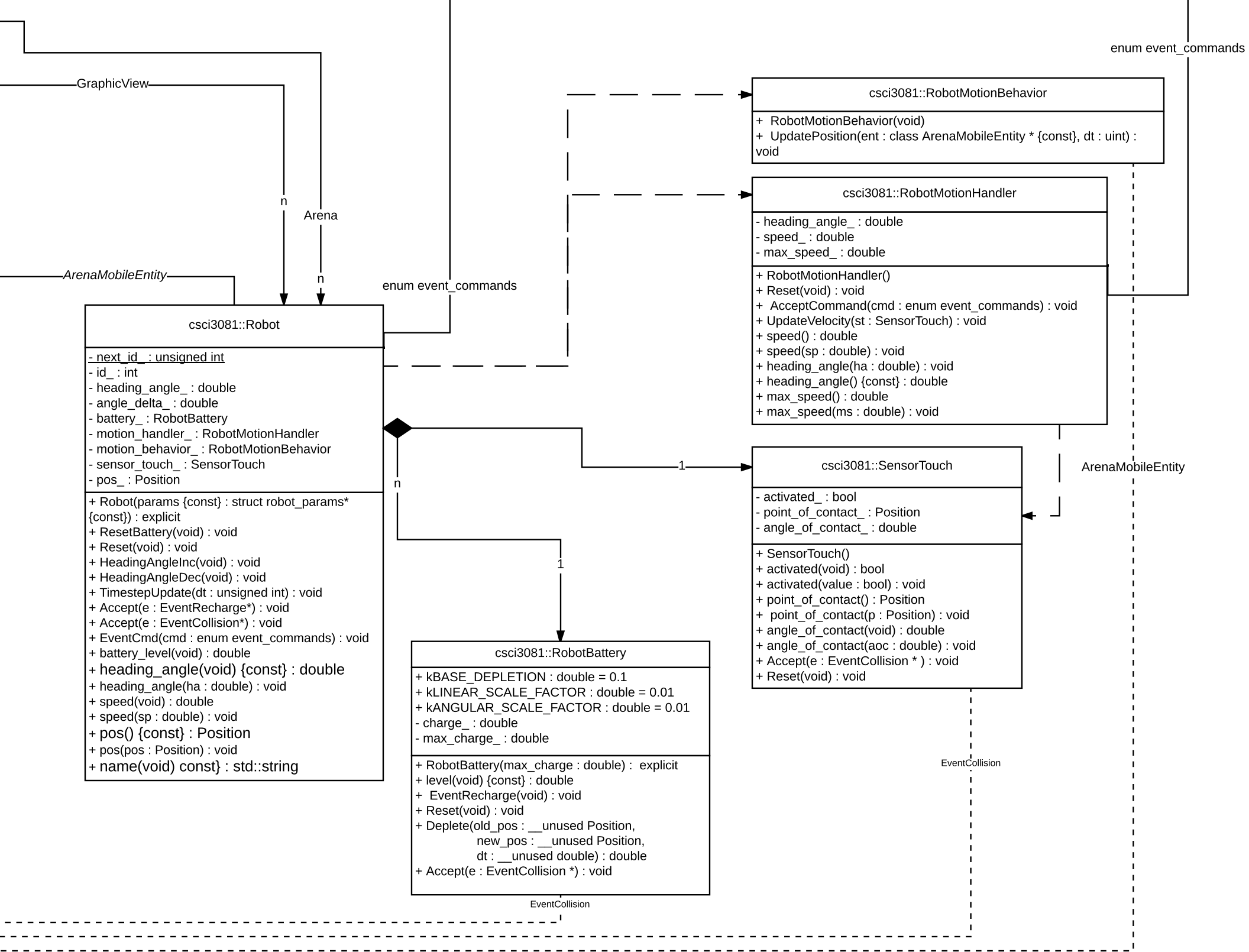


EventBaseClass









## Robot Software

According to the code which programmed by 3081 Staff of Fall 2017, there is an Arena class which is the primary one. If the Arena is gone, so there are no any other classes. the possible actions, which are applied on Arena, are programmed in the GraphicArenaViewer.

OnLeftMouseUp, OnPauseBtnPressed or OnRestartBtnPressed are examples of these user-controlled actions. Furthermore, there are many entities are in the arena. Some of these entities are moving like the robots, while the others are steady in their places such as home and recharge station. The robot has sensor and battery which are formed in separated classes, and the robot is moving around. the robot is using the sensor to avoid colliding with the stable obstacles. After a while, the battery of the robot needs to recharge by visiting the recharged station. All in all, the events, which are done on the robot to control, is pressing the keys, recharging the battery and colliding other objects such as obstacles if the sensor does not work effectively.

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