**Design Document**

Name – Rakshith(z1862017)

Aravind(z1859953)

The assignment deals with updating of location to given two pirate ships as per the movement given by Columbus ship which is carried by using observer pattern.The Ship Class consists observer class and setchanged() method by these method observer will be receiving every movement of the Columbus ship and the movement is updated to pirate class where pirate ships move towards Columbus ship. The pirate ship and the columbus ship positions are updated in the main class and the image is moved to the new location. The pirate ship or the columbus ship does not get overlapped on the island.