Main Classes and interfaces :

GUI.

Simulator :

1. Robot Container (Class that contains the robot IDs)
2. Air (Containing Several functions regarding Robot location)
3. Arena (Contains the basic Data about the arena information such as gray areas black areas and white areas)

Robot Simulator :

1. Robot (Contains functions regarding messages the robot received and other information/details of the robot on real time such as battery life, Signal and more)
2. Point (Contains the location current robot or other significant spot is located, such as white/black/gray spots).

Message (Class contains the messages aswell the limitations and boundaries, the information wether the message have been received or not, If not, From which robot and more)

Test (Used to run tests of the project)

Log (Shows the progress made with each test)