

What we accomplished:

We implemented the start menu where a player can select one of the four options: START a new game, LOAD a pre-saved game, view STATS or view HELP on how to play. However, only the START option has been implemented for now while the other three options just show dummy frames. Upon selecting the START option, the user will be presented with options to set up the game such as selecting the number of players, map type, vision assist option. **TO NOTE:** [Only the SIMPLE Map type has been created for now. (The complex map is to be implemented by next iteration).] On selecting valid options (program will show dialog box if certain invalid options are selected), the player can press on the START button to view the ricochet board (only the simple map for this iteration). We also managed to implement a vision assisted version of the board (You can test it by selecting the 'ENABLE VISION ASSIST' before starting a game. On starting the board, we also randomly assigned the robots across the board.

NOTE:

The robots can also be moved by clicking on one them and then pressing on any buttons across the direction a player wants to move the robot. For e.g. A user can click on the red robot to select it and if he/she want to move the robot to the right, then he/she can click on any of the tiles(buttons) to the right of the robot. **['Moving a robot' code still contains certain bugs at this moment], [Code will be further optimized on the next iteration with better controls on moving the robot].**

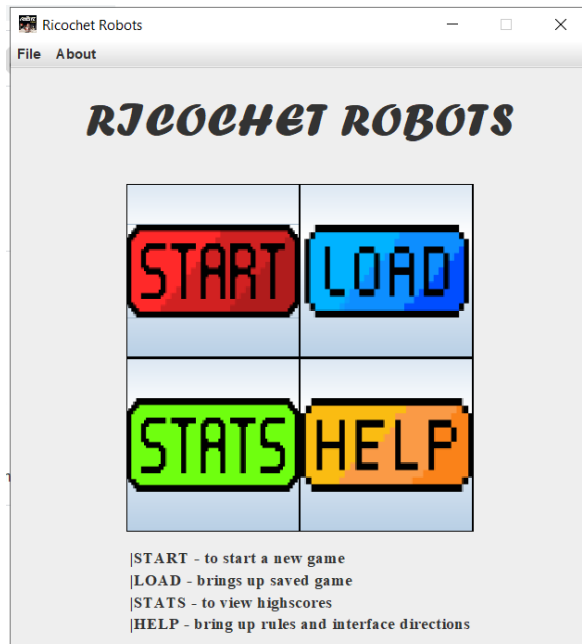
How to compile and execute the .java files:

- (1) Download 'Group6RicochetRobots.zip'
- (2) Ensure the file hierarchy is maintained during extraction.
- (3) Open Terminal/Command Prompt.
- (4) Navigate to inside of the 'Group6RicochetRobots' folder.
- (5) Compile the code using: **javac *.java**
- (6) To run, use the code: **java Game**

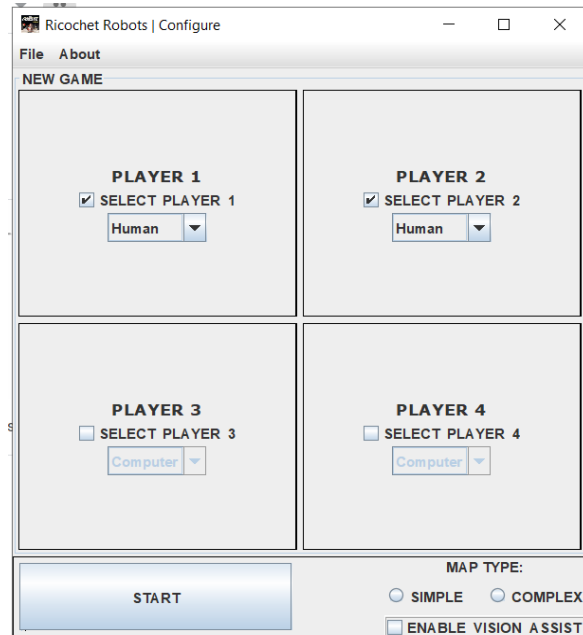
How to run the .jar file in 'Group6RicochetRobots' folder:

- (1) Download 'Group6RicochetRobotsWithJar.zip'
- (2) Ensure the file hierarchy is maintained during extraction.
- (3) Open Terminal/Command Prompt.
- (4) Navigate to inside of the 'Group6RicochetRobotsWithJarFile' folder where .java files and the RicochetRobots.jar file is located.
- (6) To run the .jar file, use the code: **java -jar RicochetRobots.jar**

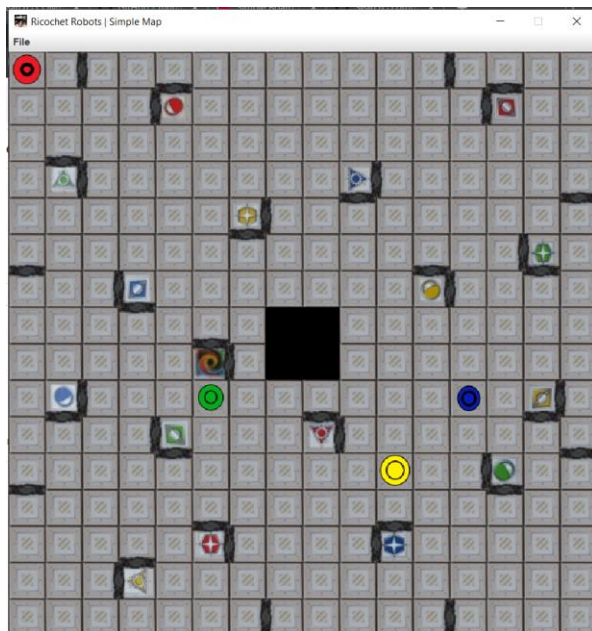
Some screenshots of our program so far:



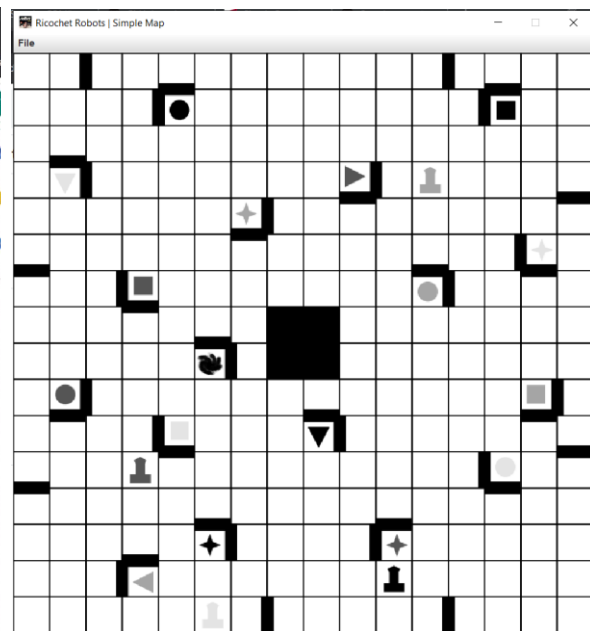
Start Menu



Selection / Configure Menu



Normal Board



Vision Assisted Board