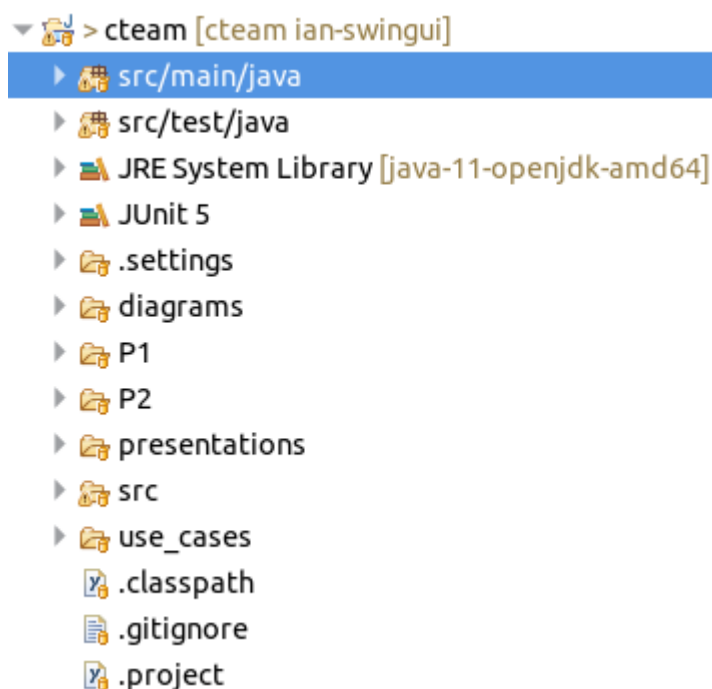# Jungle Game - Development Manual

Setup

Before developing on this project, make sure you have installed the latest versions of:

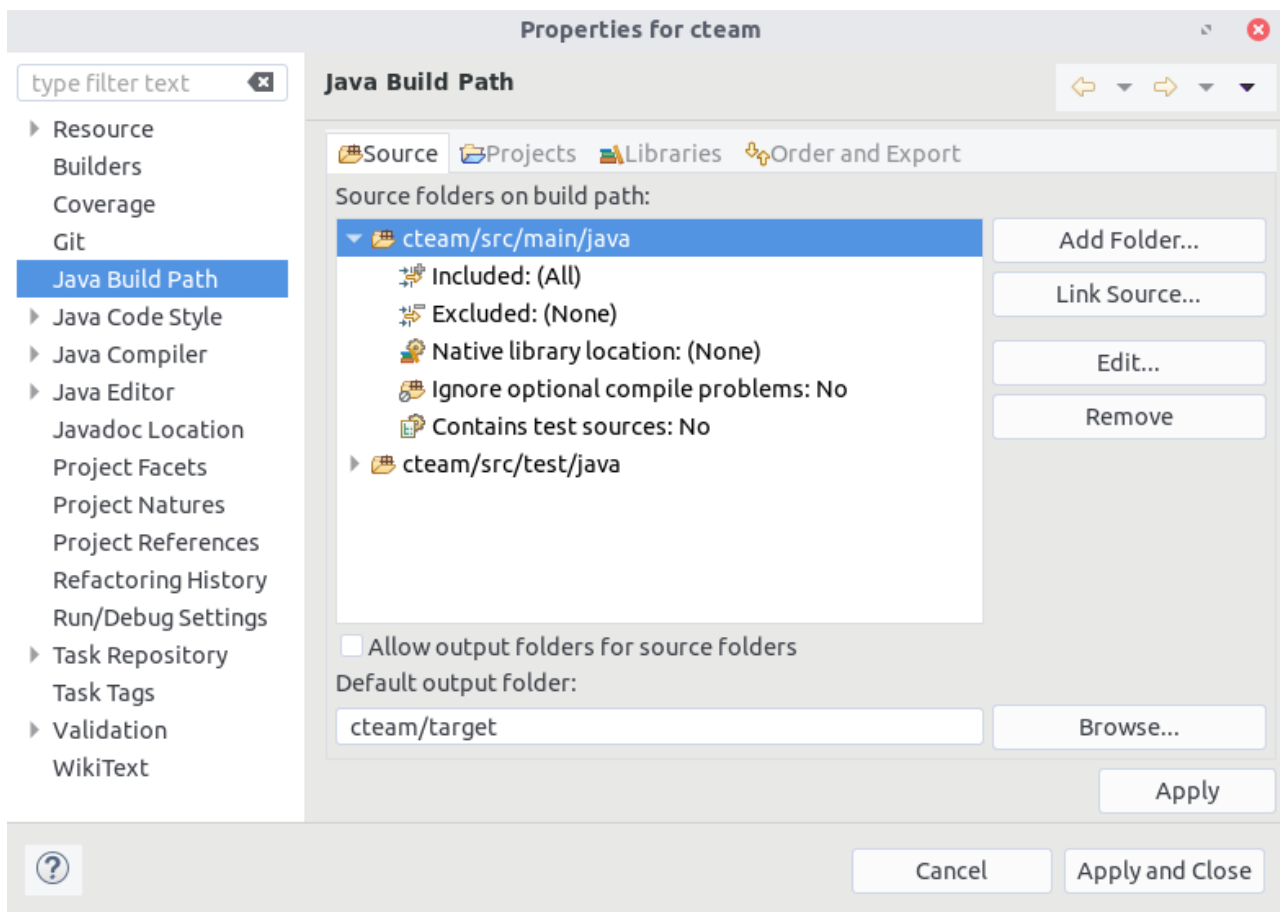- Eclipse for Java Enterprise Edition
- Java SDK 11
- JUnit 5

In Eclipse, open the Git Repositories View by going to Window -> Show View -> Other... -> Git -> Git Repositories.

Press the "Clone a New Repository" Button 🗗 and select GitHub.

Clone the repository through its URL https://github.com/cs414-C-Team/cs414-f18-001-C-Team.git or by searching "cs414-f18-001-C-Team". Choose a directory to store the project and Finish.

In the Package Explorer, ensure that Eclipse has placed the `main` and `test` packages on the project's build path. To do this, right click on any directory and select Build Path -> Configure Build Path.

Add folders `cteam/src/main/java` and `cteam/test/main/java` to the build path if they aren't included already. Under "Libraries", also ensure that java-11-openjdk is selected as the project's JRE.
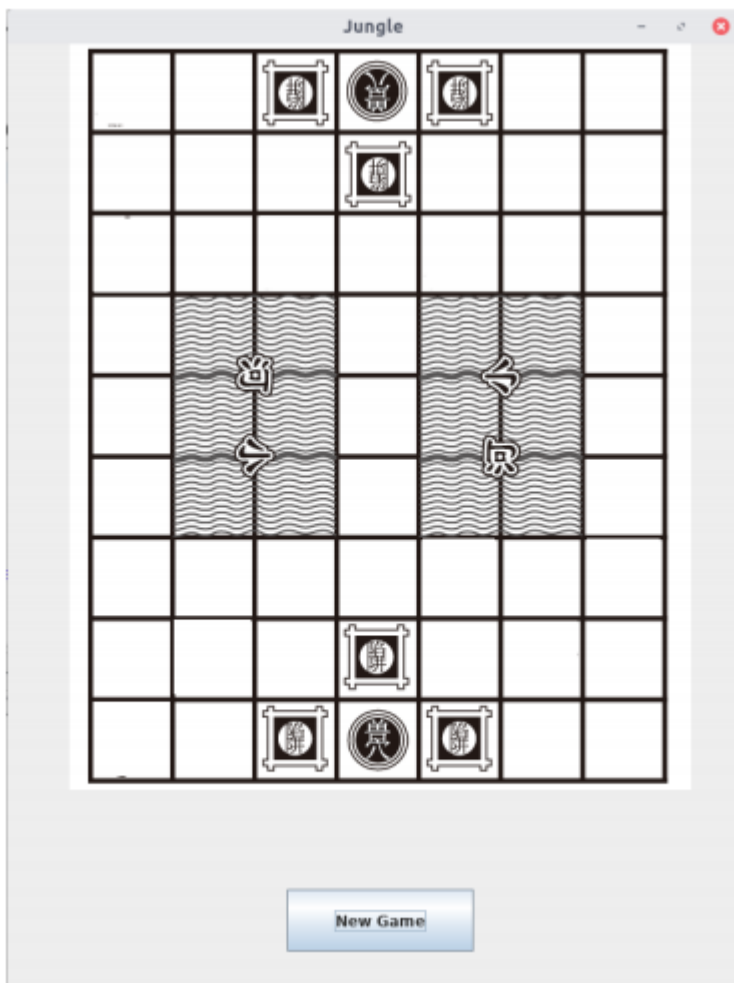
Packages

Inside the `src` directory are our `main` and `test` folders. In main is the actual code for the game, while test contains test cases for the main code. In each, the package structure for our project is `edu.colostate.cs.cs414.cteam.p3`. The project has 3 packages `model`, `view`, and `controller`. Model contains code representing data, View contains code for displaying the data to the user, and Controller contains code that links the system and the user.

- ▼ src/main/java
  - ▼ edu.colostate.cs.cs414.cteam.p3
    - ▶ controller
    - ▶ model
    - ▶ resources
    - ▶ view
- ▼ src/test/java
  - ▼ edu.colostate.cs.cs414.cteam.p3
    - ▶ controller
    - ▶ model
    - ▶ view

Running the Game

To run the main GUI version of the game as it currently developed, open `GameLauncher` in `main.java.edu.colostate.cs.cs414.cteam.p3.view.` Run this file in Eclipse to open a JFrame window where the game can be played. Once starting a game, click a piece (on the current player's side) then click another square to move that piece

Testing

To run all current tests for all packages, simply run the test suite `AllTests` in `test.java.edu.colostate.cs.cs414.cteam.p3` in Eclipse. Access the test cases for various classes in the `model` , `view` , and `controller` packages.