CSC242 Introduction to Artificial Intelligence
Project 1 Submission Form

Complete this form using a PDF viewer/reader, save it, and submit it with your code on BlackBoard.

Last name: Zhang   First name: Rowland

NetID: rzhang41

Did you do Part 1? Yes ☐

- Where are the abstract elements based on the formal model of adversarial search defined?

  Action, Actions, Cost, Heuristic, Model, Result, State, Utility are the .java files

- Where are the specific implementations of those elements for Checkers defined?

  Checkers + the name of each of the files above e.g. CheckersAction.java

- Where is your implementation of the MINIMAX algorithm?

  AI.java/miniMax

- What class or file do we run to run your 4x4 game?

  Game.java

- Does it play quickly and pefectly? Yes ☐   No

Did you do Part 2? Yes

- Where can we find your implementation of H-MINIMAX?

  AI.java/hMiniMaxAlphaBeta

- Where can we find the definition(s) of your heuristic function(s)?

CheckersHeuristic.java/Heuristic

- Where can we find your implementation of alpha-beta pruning?

AI.java/miniMax_a_b

- What class or file do we run to run your 8x8 game?

Game

- Comment very briefly on how well and how quickly it plays.

It plays better than me early and mid-game. It plays each move in less than a second.

One last question:

- Java programmers: Do you have a nice, short, clear `main` method that creates instances of your other classes and runs the game?

  Check one: Yes ☐   No   I don't know

- Python programmers: Did you use good object-oriented design, with classes, avoiding global functions and variables, and doing very little outside of any method or function?

  Check one: Yes   No   I don't know

- C Programmers: Did you use "`-std=c99 -Wall -Werror`" and does your code have a clean report from `valgrind`?

  Check one: Yes   No   I don't know

Put any other comments or instructions in your README.txt (or README.pdf) file.