

CPSC 2150 HW2 Writeup

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February 26 2019

1 Requirements Analysis

Functional Requirements:

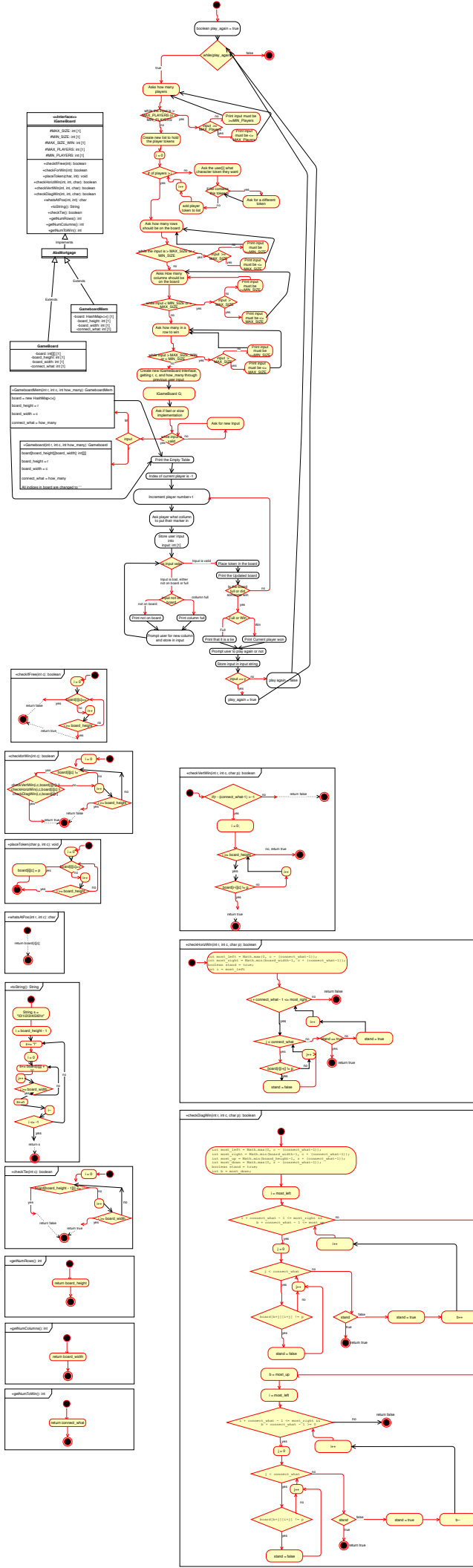
- As a user, I can choose how many rows should be on the board.
- As a user, I can choose how many columns should be on the board.
- As a user, I can choose how many in a row to win.
- As a user, I can choose what column to place my marker in.
- As a user, I can choose to play again or not.
- As a user, I can view the prompt that asks the user to make a move.
- As a user, I can view the prompt that asks the user to play again or not.
- As a user, I can view the prompt that asks the user how many rows should be on the board.
- As a user, I can view the prompt that asks the user how many column should be on the board.
- As a user, I can view the prompt that asks the user how many in a row to win?
- As a user, I can view the printed board with updated moves each turn.
- As a user, I can be notified of a win.
- As a user, I will not lose a turn for bad input.
- As a user, I can view the prompt that asks the user how many players to play the game.
- As a user, I can choose how many players to play in the game.
- As a user, I can view the prompt that asks each individual player what character their token will be.
- As a user, I can choose what character token each player will have.
- As a user, I can view the prompt that asks the user to choose a fast or memory efficient implementation of the game.
- As a user, I can choose the game to be a fast of memory efficient implementation.

Non-functional Requirements

- The system must run on the School of Computing Linux Systems.
- The system must be written in Java.
- The system uses a 2D array implementation or a List implementation

2 Design

UML Diagram on next page.



3 Deployment

Navigate inside the directory `cpsc2150`

Enter the command `make`

Enter the command `make run`