Team Solid FOURtress – Shivasuryan Vummidi, Adeebur Rahman, Edwin Mok
APCS1 pd3
Flowchart

```
$javac Woo.java && java Woo
//Start the game
```

//Prompt user to select board size

4 >= input &&
input > 0 — No

Yes

// Create board

//Prompt user to select player 1

5 >= input &&
input > 0 — No

Yes

input == 1 — No

Yes

// Prompt user to create a
name for player 1

No

// Prompt user to create a
name for player 2 — No

Yes

input == 1

Yes

5 >= input &&
input > 0 — No

//Prompt user to select player 2

Create Player 1 according to selection

Yes

char != 'C' && char != 'E' &&
char != 'M' && char != 'H' &&
char != 'T' && char != '-' &&
char != '_'

No

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name != "EasyComputer" &&
name != "MediumComputer" &&
name != "HardComputer" &&
name != "TBM" &&
name != "EasyComputer2" &&
name != "MediumComputer2" &&
name != "HardComputer2" &&
name != "TBM2"

Yes

Prompt user to select a char
as a token for player 1

No

char != 'C' && char != 'E' &&
char != 'M' && char != 'H' &&
char != 'T' && char != '-' &&
char != '_'

Yes

Create Player 2 according to selection

Both players get the same amount of
token that is half the size of the board

No

name != "EasyComputer" &&
name != "MediumComputer" &&
name != "HardComputer" &&
name != "TBM" &&
name != "EasyComputer2" &&
name != "MediumComputer2" &&
name != "HardComputer2" &&
name != "TBM2"

Yes

Prompt user to select a char
as a token for player 1

Player 1's turn
printBoard()
check_winner(player1, player2)
//Checks to see if anyone won, if
someone wins, gameOver will be true

Yes

gameOver == false

gameOver == false

Yes

Player 2's turn
printBoard()
check_winner(player1, player2)
//Checks to see if anyone won, if
someone wins, gameOver will be true

No

Announce Winner and Exit Game!

No