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What is Battleship?

- A classic two-player game.
- Each player sets up their five ships on a screen the other can't see, and then they try to sink each other's ships; whoever sinks them all first wins.



Data Structures

 LinkedList - list of top 5 scores, percentage of games won, average score. Note: score by number of shots required to win.

 Stack - undo purposes; will only remember the last 3 moves. May also add another stack for redo purposes.

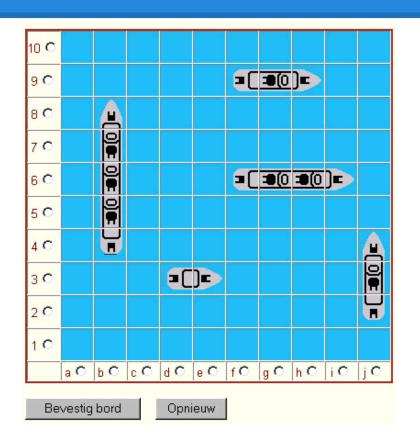
Stages of Creation

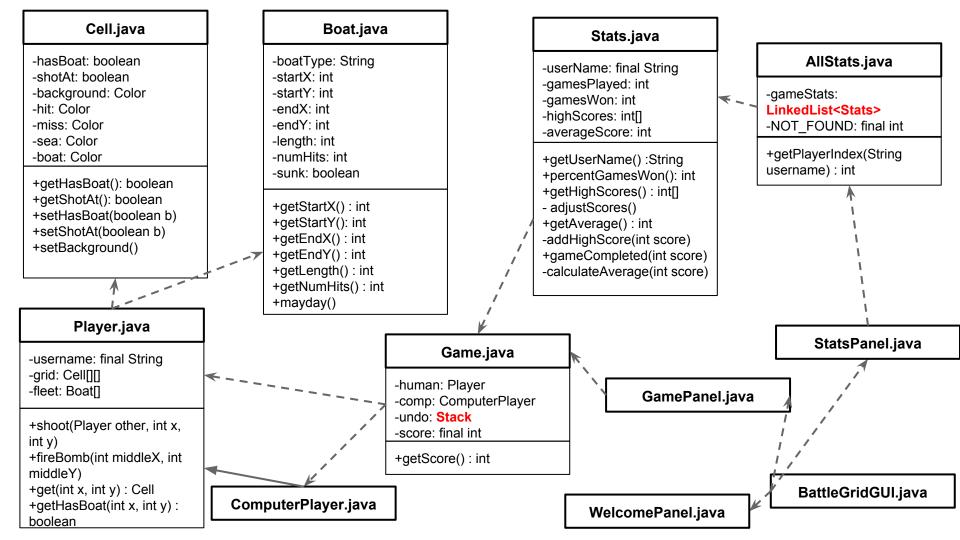
Stages of Creation

Boat size: 1x1, Grid size: 5x5

Boat size increases, Grid size: 5x5

Boat size varies, Grid size: 10x10



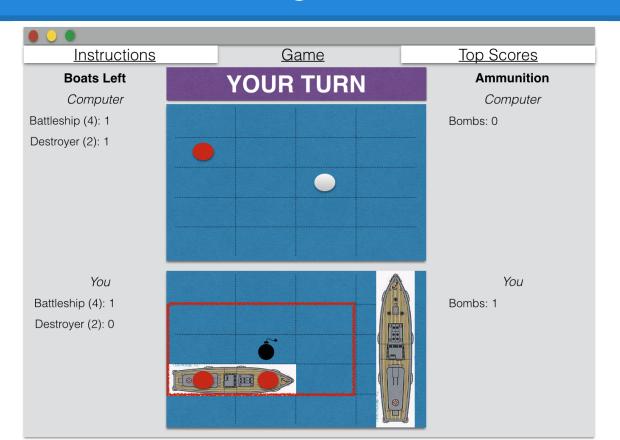


User Interface

UI: GamePanel.java



UI: WelcomePanel.java



UI: StatsPanel.java

<u>Instructions</u>	<u>Game</u>	Top Scores
Top Scores		
	op ocore	3
Top E Coores	% of Compa Man	Avorage Coore
<u>100 5 5001es</u>	% of Games Won	Average Score
1		
2		
3		
4		
5		

Interesting and difficult parts

- Clickable cells to select where the start and end coordinates of the boat are (need to coordinate with underlying 2D array)
- Bombs (3x3 radius)
- Undo (and potential redo)

- Layering of cell and boat
- Computer shooting behavior

