

Milestone 3 Data Structures and Logic

Ai Play

This iteration supports an AI turn button that allows users to make an automated play based on the current board and the tiles they possess. It finds the highest base point scoring word and plays it for the user.

Scoring (Premium Tiles)

This iteration has various improvements for scoring. First, now the model will consider words created perpendicular to the originally placed word. Second, the model will now calculate the points according to any of the various premium squares that are implemented, this includes triple letter, double letter, triple word, and double word squares. A scoreboard display between each turn has also been introduced.

Blank Tiles

Blank tiles are now supported and represented in the model with a “*”, when a user desires to use the blank tile and select the tile in their hand (within the view) a selection frame pops up to select which letter the user desires. This tile is then added to their hand, although the tile is given a value of 0 points when used, according to Scrabble rules.