

### Exceptions for a Scrabble Project

- 1) `NumberFormatException`: the user enters a number instead of a letter to calculate the score of; or enters a word with a number character in it. The `ScrabbleProject` cannot calculate the score of a number character, so it must return an exception.
- 2) `EmptyException`: the user enters no word. no characters, nothing. The `ScrabbleProject`, although able to calculate a blank space (returns 0), should still return a message that prompts the user to actually enter a word.
- 3) `InvalidCharacterException`: the user enters an invalid character that a) are not letters (`#$#@&*`) or b) are non-English characters that are trying to be entered using an English scrabble set (like `â`, `ê`, `ò`, or `ñ`). The `ScrabbleProject` cannot calculate the score of these characters either, so it must return an exception.
- 4) `InvalidWordException`: the user enters a word that has too many characters for its scrabble set. For example, the word “dizzy” is an invalid word in the English scrabble set because English only has 1 z. However, in a random scrabble set, dizzy might be a valid word, so then the exception would not return.