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| Test Cases - HangMan |  |  |
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| **Test Description** | **Pass/Fail** | **Comments** |
| **Scoreboard tests** |  |  |
| Scoreboard displays as separate frame/pop up and contains correct information – name, games played, games won. | PASS |  |
| 1 Player on scoreboard – first game shows correctly – 1 game played, 0 won | PASS |  |
| 1 Player on scoreboard – first game won – 1 game played, 1 game won | PASS |  |
| 1 Player on scoreboard – game is won, score increments | PASS |  |
| 1 Player on scoreboard – game is lost, score does not increment | PASS |  |
| 2 Players on scoreboard – alphabetical order | PASS |  |
| 3 Players on scoreboard – alphabetical order | PASS |  |
| Player 2 wins game – correct score increments | PASS |  |
| Player 2 loses game – no score increments | PASS |  |
| **Player selection tests** |  |  |
| 1st time game is played, new player must be entered – no names in drop down menu. | PASS |  |
| 1st player can play again as same player | PASS |  |
| 2nd player can enter a new player name | PASS |  |
| 2nd player can play again as same player | PASS |  |
| **Hangman game tests** |  |  |
| Random word is displayed with correct number of dashes. | PASS |  |
| Word that contains a hyphen is displayed correctly with a hyphen. | PASS |  |
| Word that contains a space is displayed correctly with a space. | PASS |  |
| Long phrase can be displayed | PASS | It at least works for the maximum word length provided in sample dictionary |
| Letter is guessed that is not in the word – letter appears as a guessed letter, a body part is displayed or counter incremented. | PASS |  |
| Another letter is guessed that is not in the word – letter appears on guessed letter list. | PASS |  |
| Letter is guessed that has one instance in the word – letter appears in correct position in the word, no body part is displayed or counter incremented. | PASS |  |
| Letter is guessed that has multiple instances in the word – all instances of letter appear in correct position in the word, no body part is displayed or counter incremented. | PASS |  |
| 6 wrong guesses results in all bodyparts displayed, and/or the counter indicates 6 wrong letters. Game indicates that player has lost and displays word. | PASS |  |
| Player guesses the word – win declared. | PASS |  |
| **Hint tests** |  |  |
| Hint selected from dropdown menu when no letters have been guessed; one instance of letter in word. Displays correctly. | PASS |  |
| Hint selected from dropdown menu when no letters have been guessed; more than one instance of letter in word. Displays correctly. | PASS |  |
| Hint causes a win. Win declared. | PASS | Cannot cause win (Hint button is disabled if player tries to use it to guess the last letter) |
| Multiple hints selected – program either allows it or says that only 1 hint can be granted. | PASS |  |
| **Serialization tests** |  |  |
| A game is exited in the middle of a game, when started back up play resumes at the same spot. | PASS |  |
| A game is exited and when resumed, the scoreboard contains the same players. | PASS |  |
| **Miscellaneous tests** |  |  |
| A new game can be started at any time from the drop down menu. | PASS |  |
| The scoreboard can be viewed at anytime without interrupting a game in progress. | PASS |  |
| The program can be quit from the drop down menu | PASS |  |
| The rules of the game can be displayed from the drop down menu. Rules are complete. | PASS |  |
| The same word is not repeated once used. | PASS |  |
| Missing dictionary file causes an error to be reported | FAIL |  |
| Run out of words – dictionary words all used up. Either an error is reported, or some indication that the game cannot continue. | FAIL |  |