Testing:

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| What I am testing | How I will test | Expected outcome | Actual outcome |
| Draw grid accurately | Run program | Draw empty grid correctly | 1) Draws empty 5x5 grid. |
| Validation of user input accurately | X = 0  Y = 5  X = 1  X = 1  Y = 2  Y = -1 | Rejected  Accepted  Rejected | 2) prints error message and asks user to enter coordinates again.  3) prints updated grid with users cordinates.  4) prints error message and aks user to enter coordinates again. |
| Generate 3 random locations for mines accurately | print(mines) added to solution. | Prints list of mines | 5) prints a random X and Y coordinate for 3 mines in a list. |
| Update guesses accurately | print(count) added to solution | Add 1 to score after each guess | 6) updates guesses counter by 1 |
| Draw grid repeatedly accurately | Run program | Draws and update grid after each guess accurately. | 7) waits for user input to be validated then prints updates grid after each guess |
| Check if position is a mine accurately | Enter position of mine | Prints “you found a mine” | 8) if user enters position of mine, grid is updated with “M” at users coordinates, and user is notified that a mine was found. |
| Check if 3 mines found accurately | Enter all 3 mine positions | Game ends and number of guesses is printed | 9) if all 3 mines are found game ends and number of guesses is show. Guess is In range 3 to 25. |

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| number | Screenshot | number |  |
| 1) |  | 2) |  |
| 3) |  | 4) |  |
| 5) |  | 6) |  |
| 7) |  | 8) |  |
| 9) |  |  |  |