FACULTY OF SCIENCE, TECHNOLOGY AND ENVIRONMENT

SCHOOL OF COMPUTING, INFORMATION AND MATHEMATICAL SCIENCES

CS310: COMPUTER NETWORKS

ASSIGNMENT 1 – WEB BASED CROSS & NAUGHT

USAGE & TEST REPORT

SUMMER FLEXI 2018

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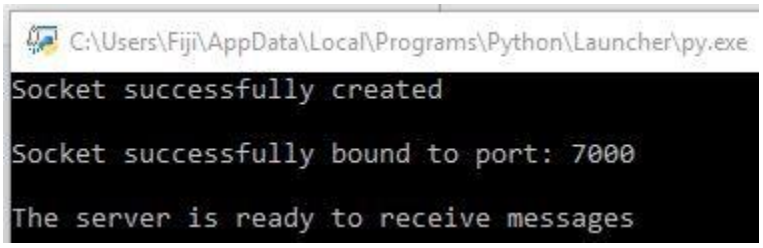
USAGE REPORT

Things To Note:

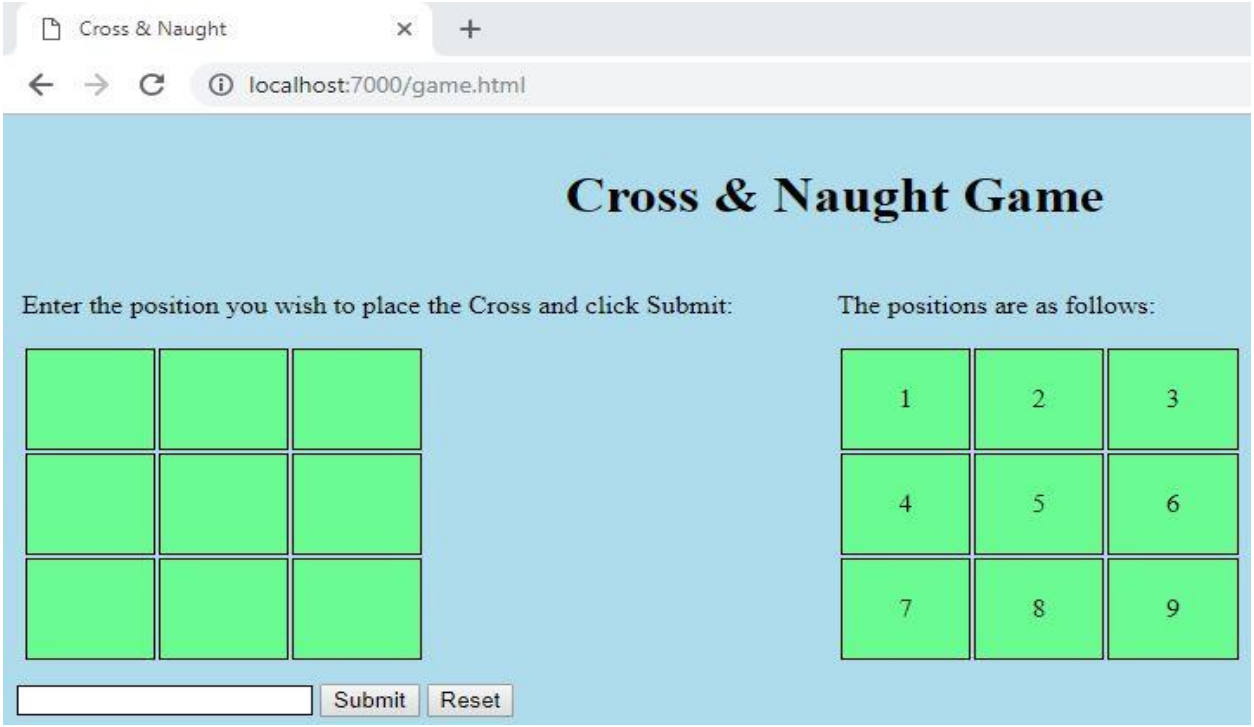
- Language used: Python
- Version: 3.6.3
- Port number: 7000

How To Run:

1. Double click 'server.py' to open. If opened using IDLE, press F5. The following screen should appear.



2. Open a web browser and type 'http://localhost:7000/game.html' in the address bar (just the address, not including the quotes ''). 'server.py' and 'game.html' MUST be in the same directory. The following screen should appear.



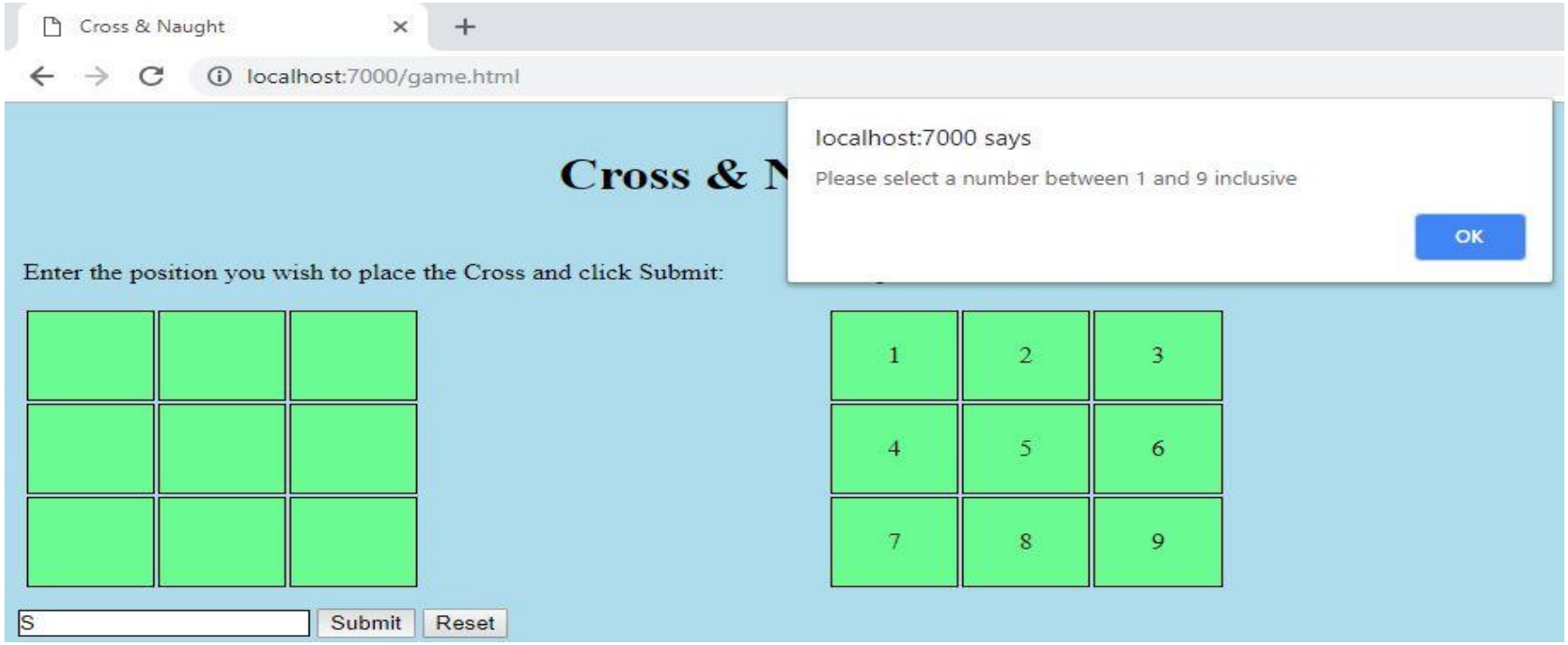
3. Play the game by following the instructions.

TEST REPORT

Test Case 1: Entering a character

Expected result: Input shouldn't be accepted. Alert user to enter a number between 1 and 9

Actual result:

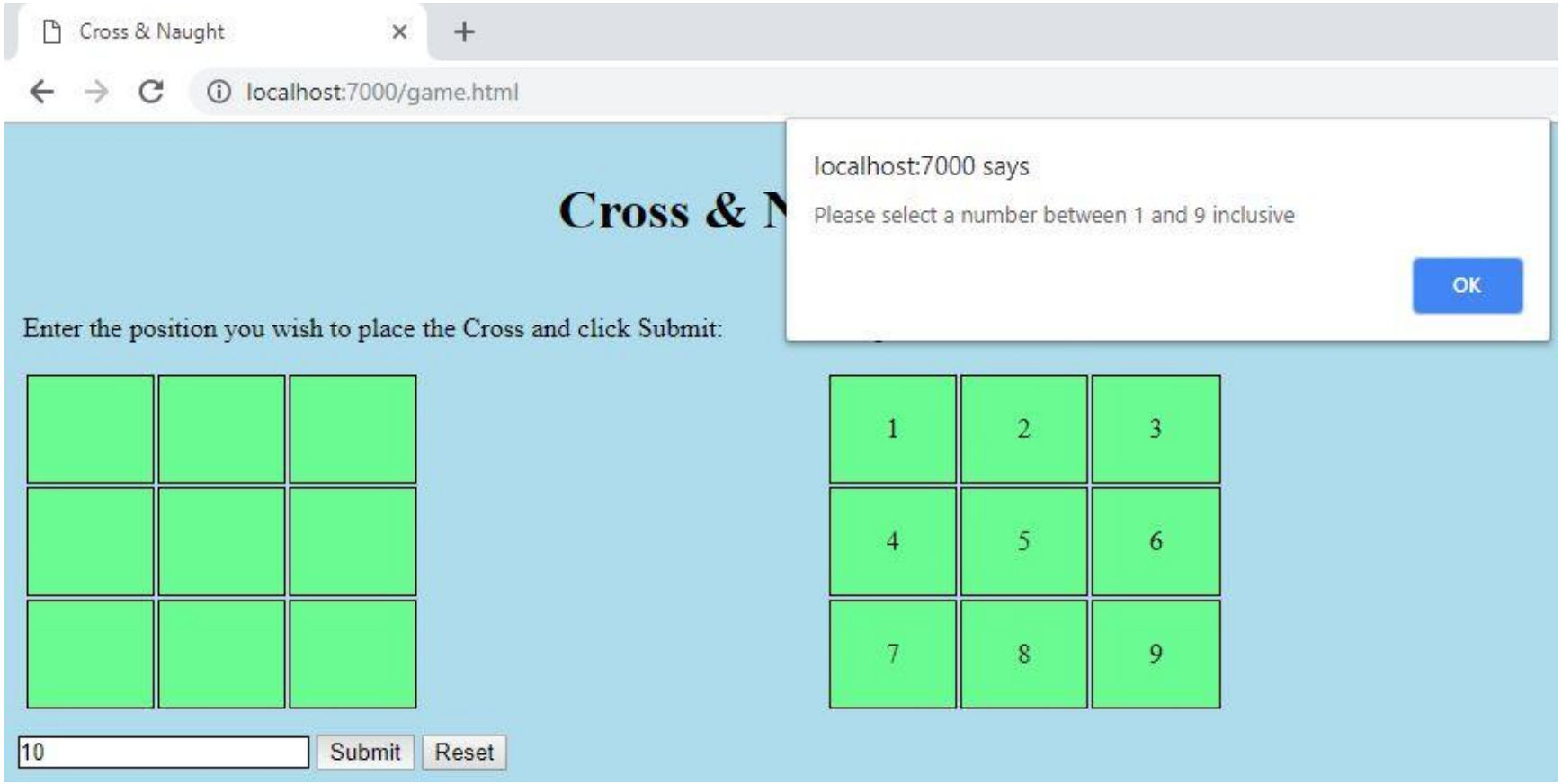


✓ Test case passed

Test Case 2: Entering a number greater than 9

Expected result: Input shouldn't be accepted. Alert user to enter a number between 1 and 9

Actual result:

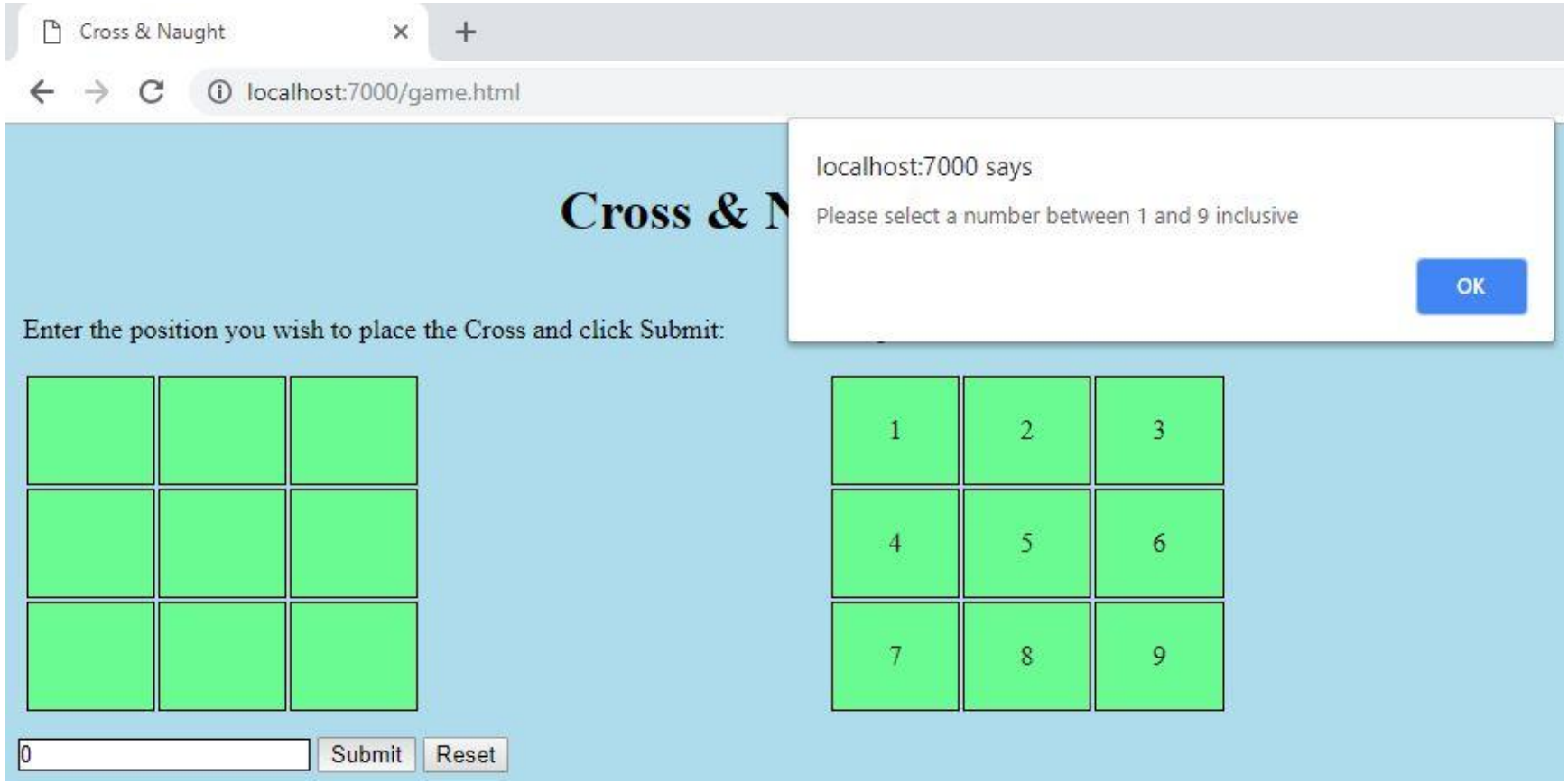


✓ Test case passed

Test Case 3: Entering a number less than 1

Expected result: Input shouldn't be accepted. Alert user to enter a number between 1 and 9

Actual result:

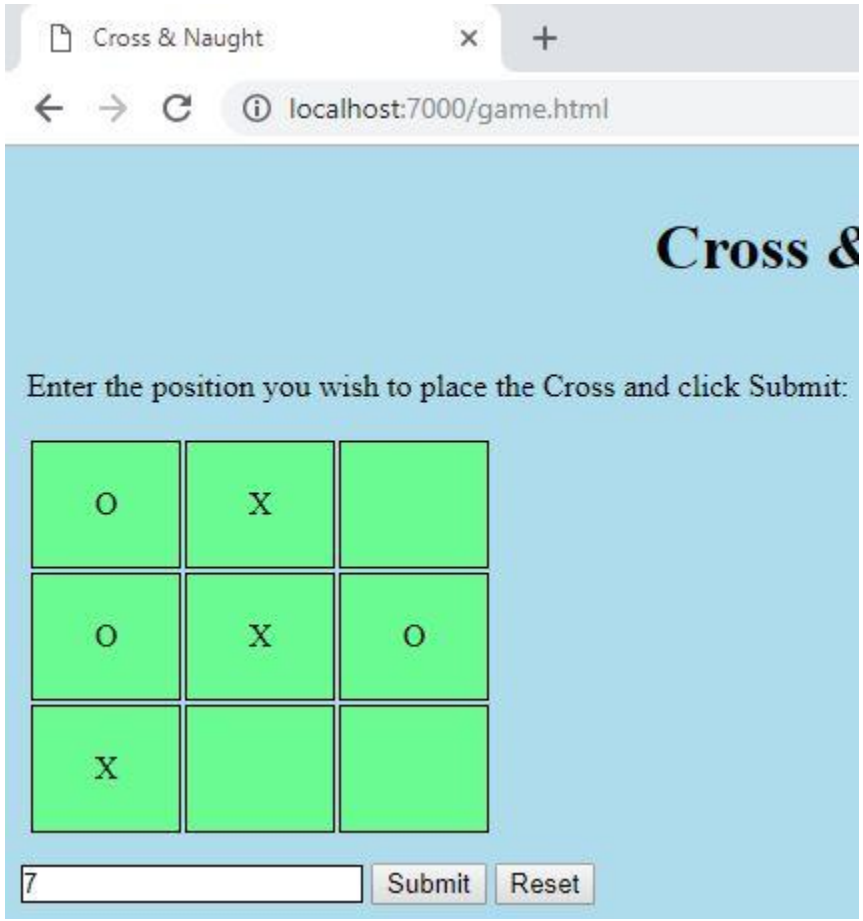


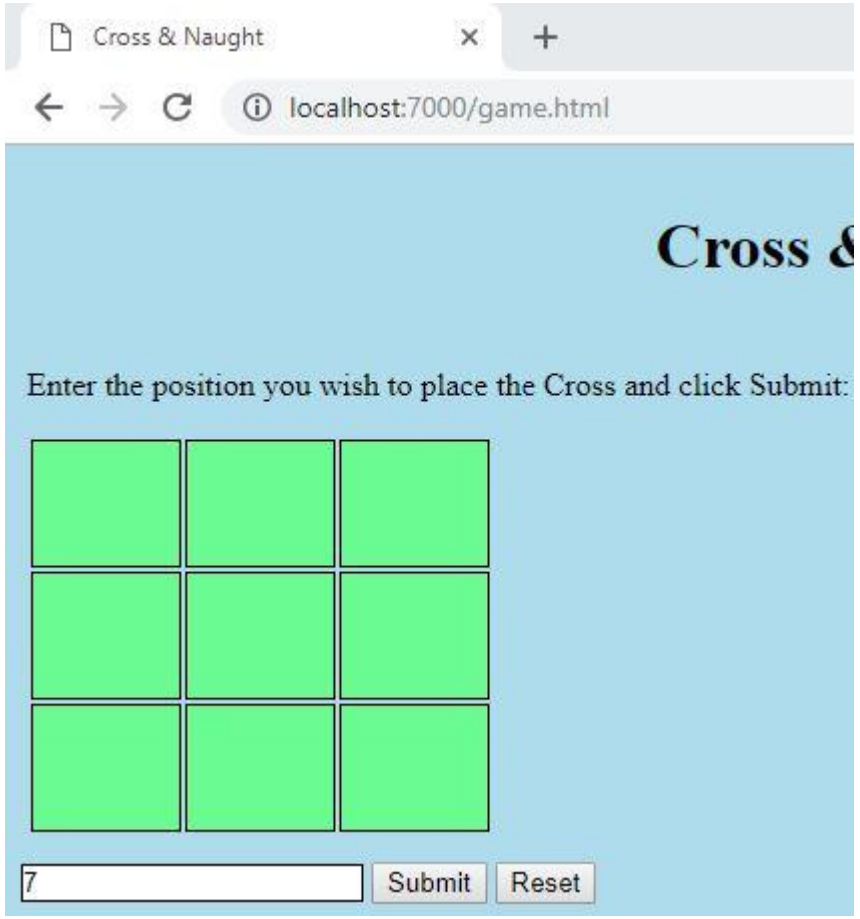
✓ Test case passed

Test Case 4: Clicking Reset button to restart the game

Expected result: Board should clear.

Actual result:



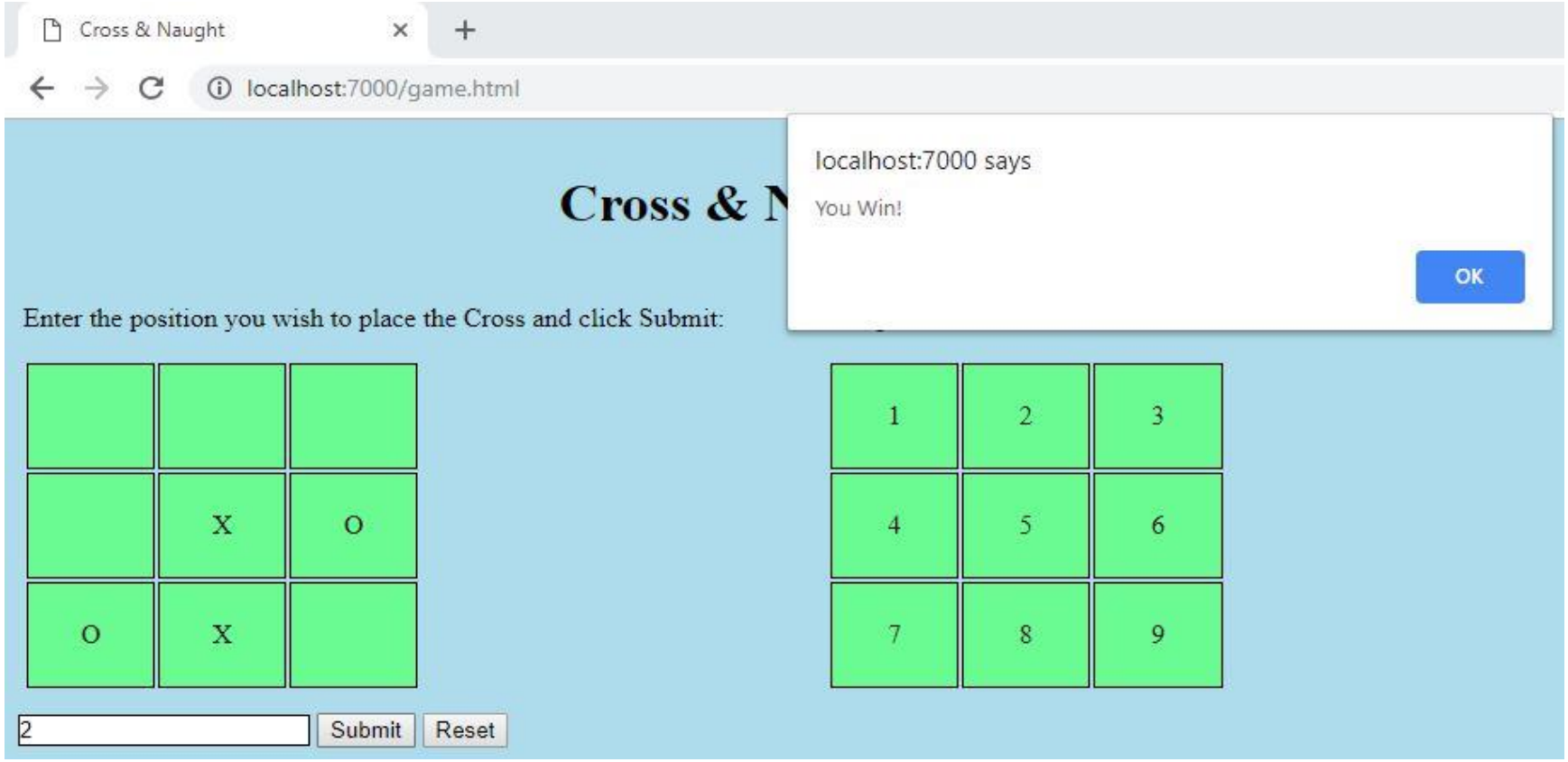


✓ Test case passed

Test Case 5: Entering a winning combination

Expected result: Message to notify client that he/she has won. Board should clear after.

Actual result:



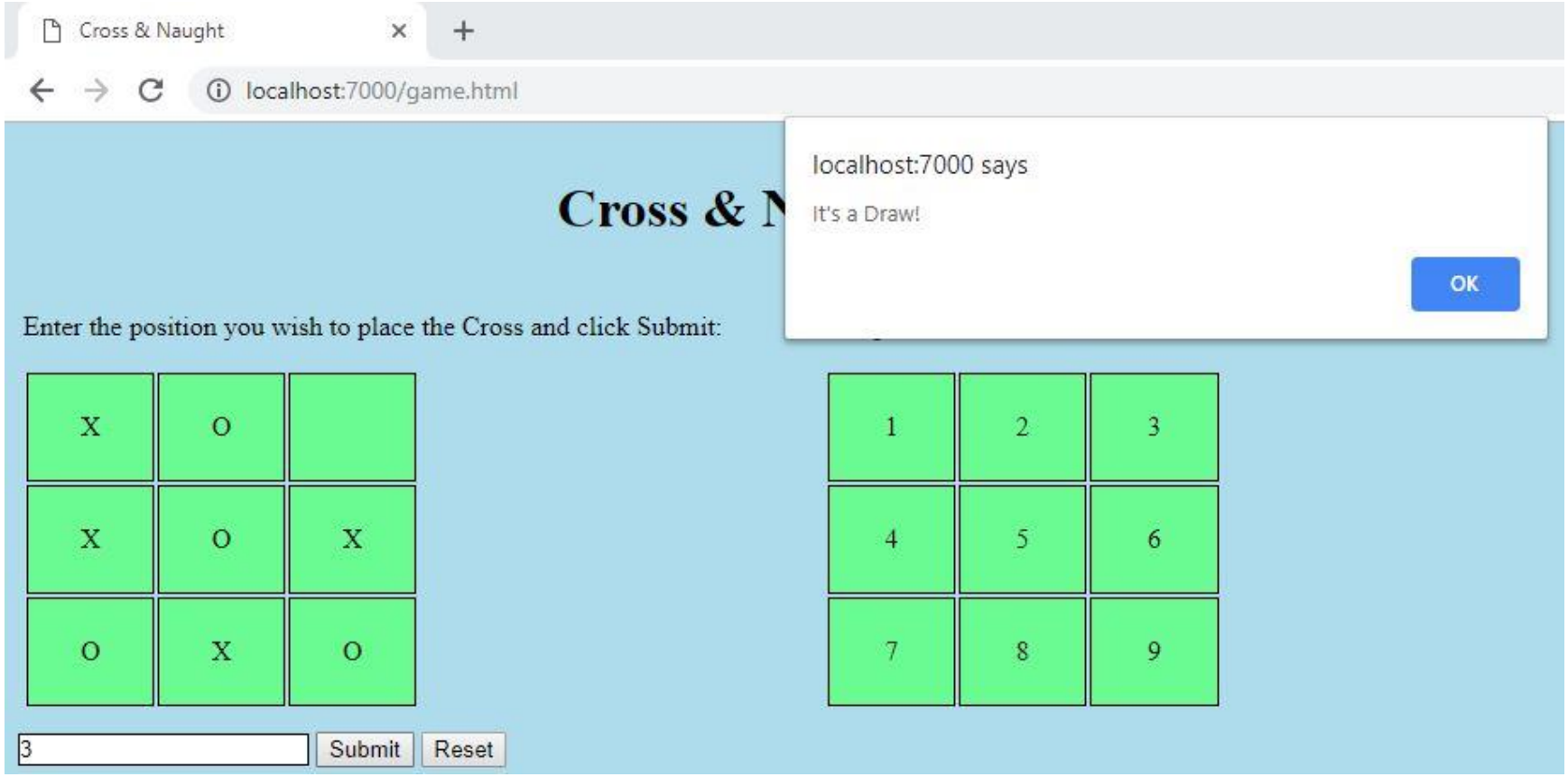
Note: The client's final position was submitted but not displayed on the board

✓ Test case passed

Test Case 6: Testing for a Draw

Expected result: Message to notify client that the game is a draw. Board should clear after.

Actual result:



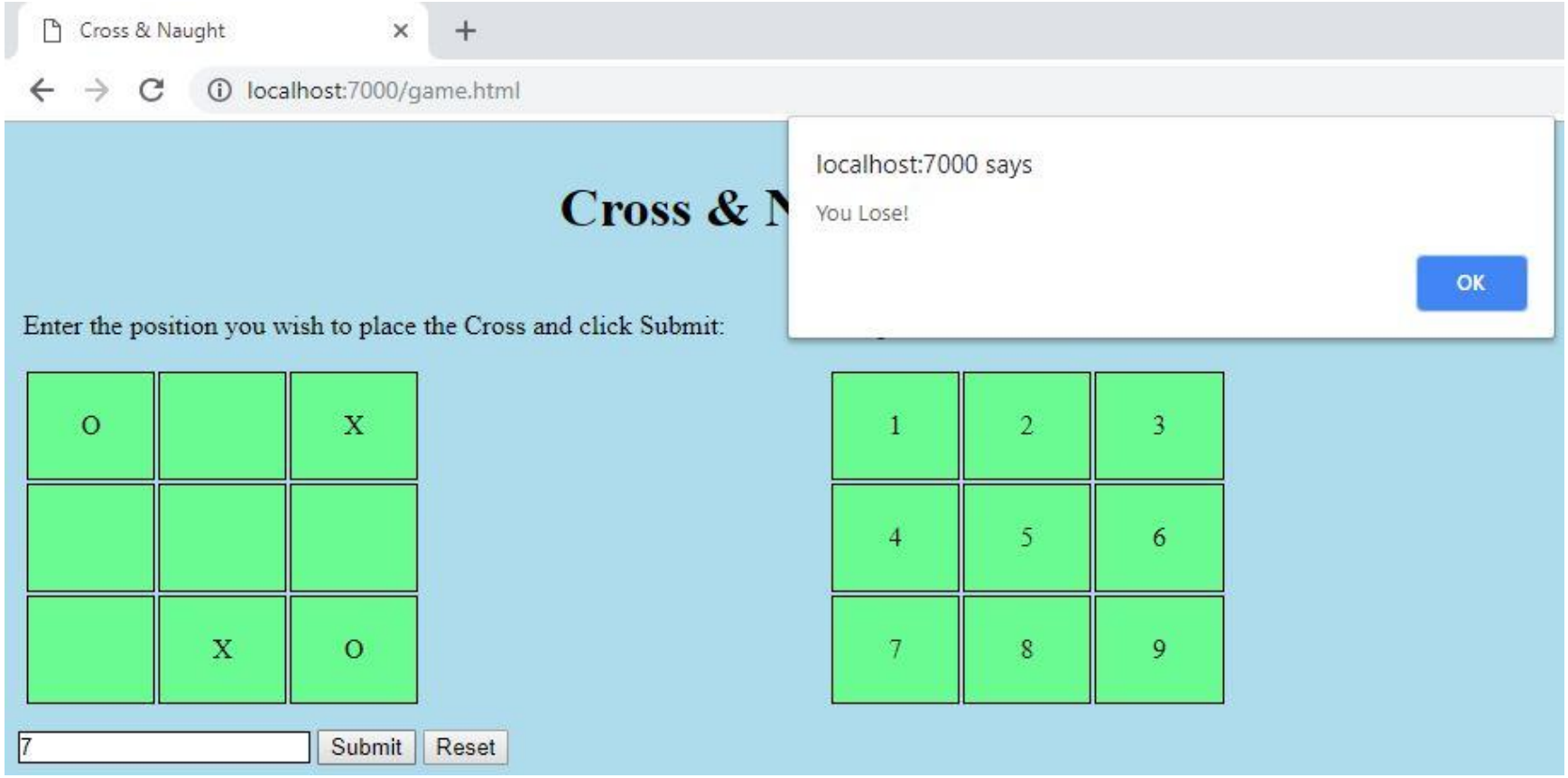
Note: The final position was submitted but not displayed on the board

✓ Test case passed

Test Case 7: Testing for a Loss

Expected result: Message to notify client that he/she lost. Board should clear after.

Actual result:



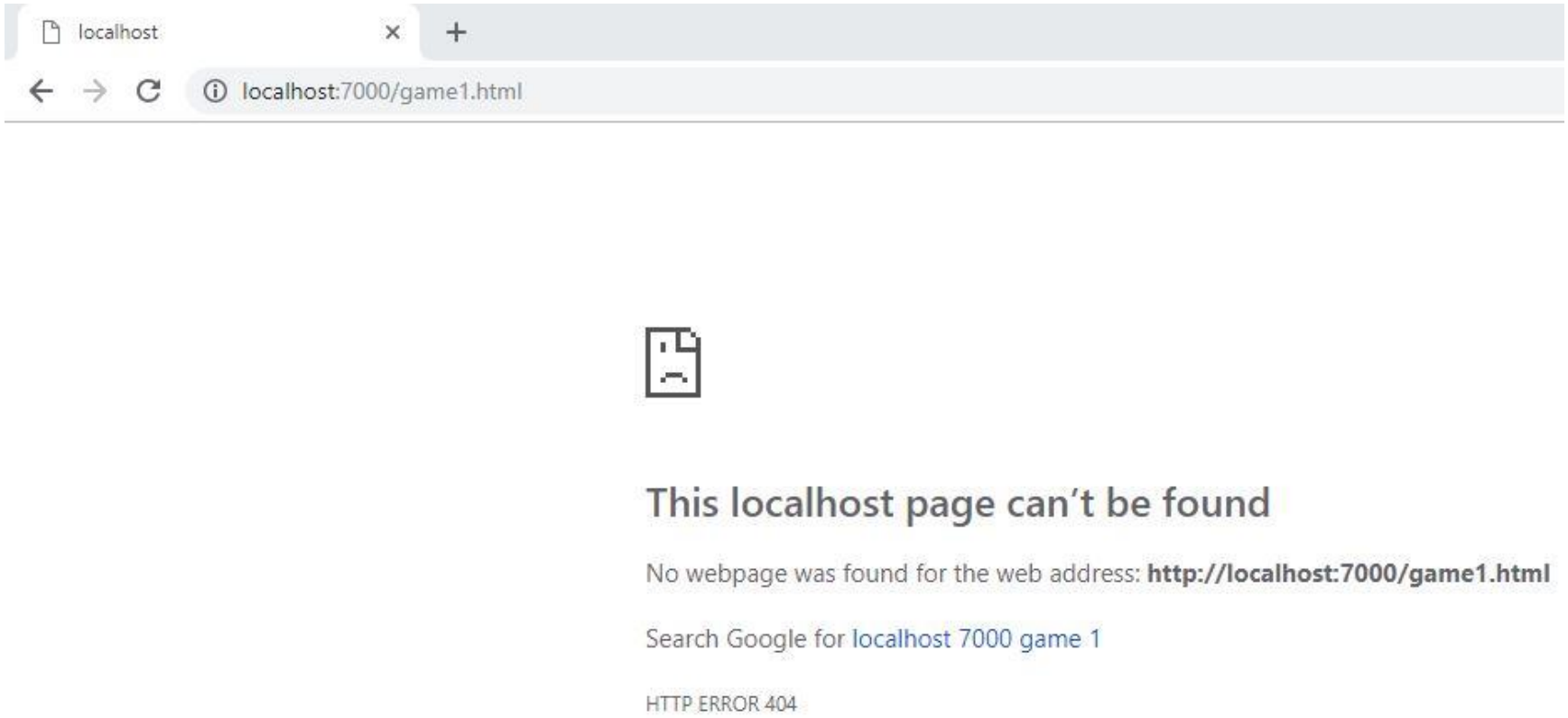
Note: The server's final move was not displayed on the board

✓ Test case passed

Test Case 8: Accessing a non-existent resource

Expected result: Browser should display 404 Not found

Actual result:

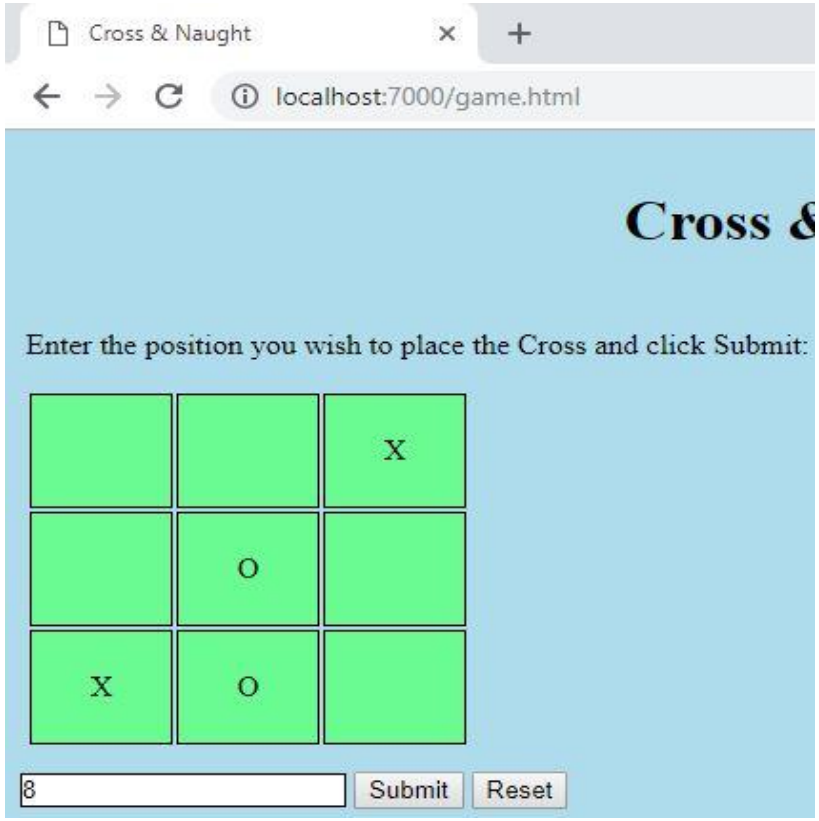


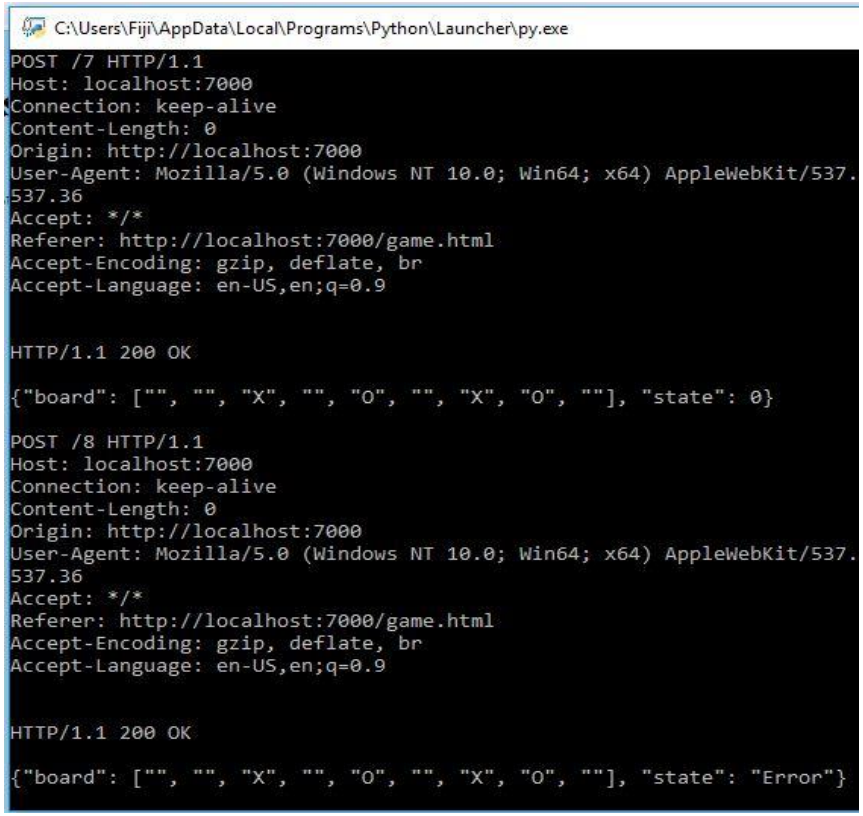
✓ Test case passed

Test Case 9: Choosing a position that is already occupied

Expected result: Input should be accepted, but the position should not be overwritten. Message to notify the user to choose an empty position.

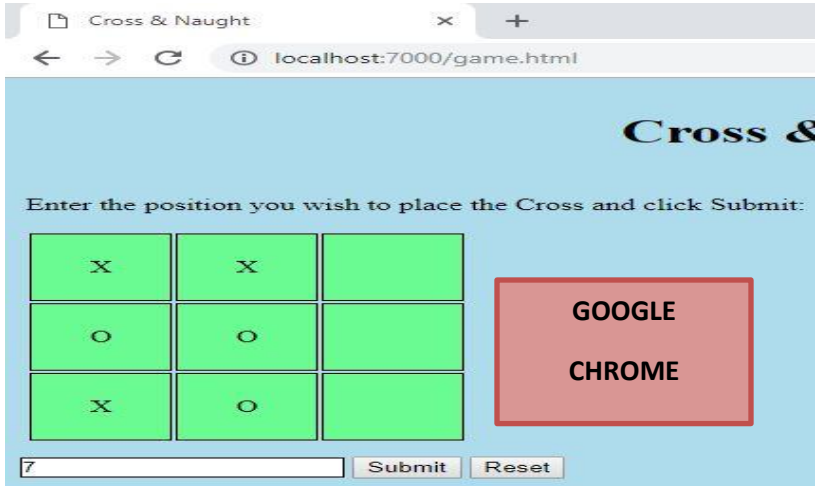
Actual result:

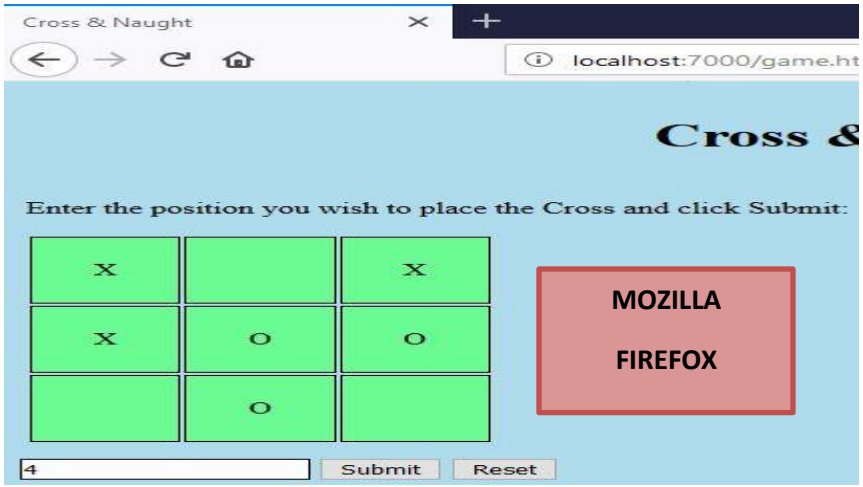


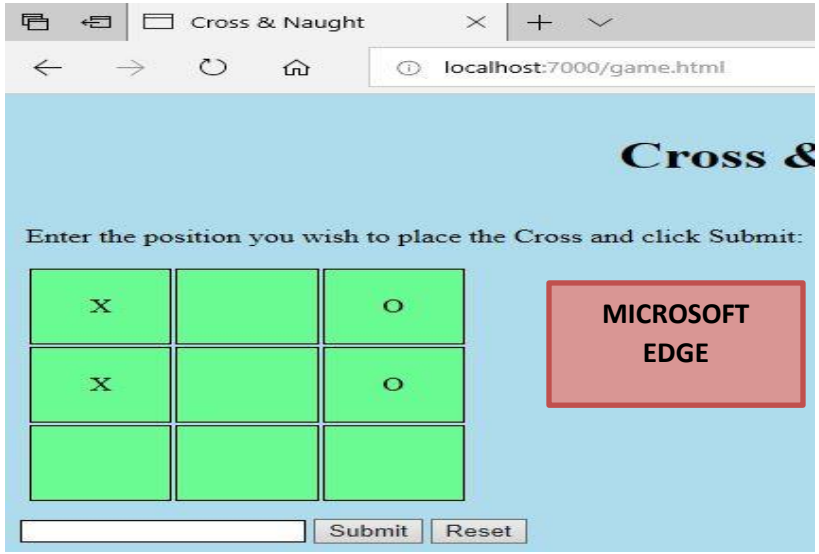


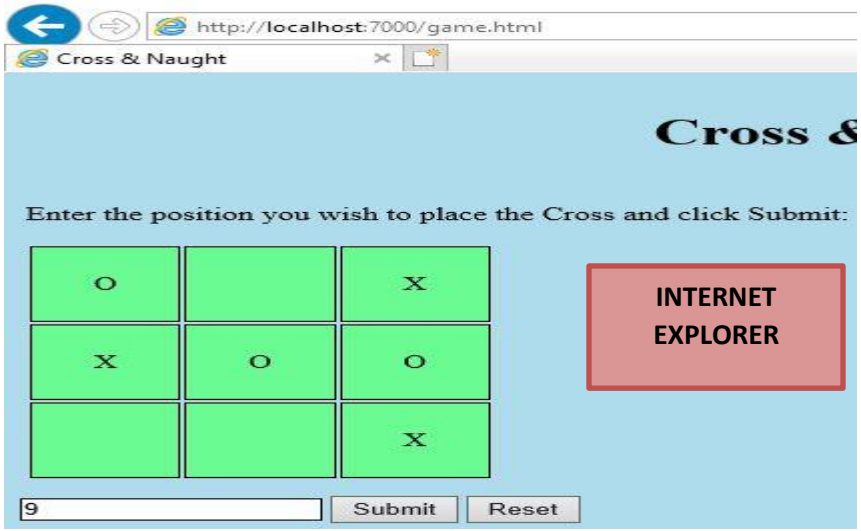
✓ Test case passed almost completely – input was accepted, but the was no alert to tell the user to choose another spot

Test Case 10: Testing on various browsers









✓ Test case passed