

Defect Number	Defect	Output After seeding	Output Before seeding	Suggestions on fixing	Severity (1 - 5, less severe to move severe)
1	Logging in takes you to the user profile page but does not show the users name	Username here!	Welcome *Users name*	Use the client to send and receive stuff from the server	1
2	Pressing play routes to a blank page and not the play page	Blank screen	Single play play screen	Using the routes you can change where the play page goes to	1
3	You can move your pieces and your opponents pieces	You can move both pieces	You are limited to one your pieces	Check index.js on how to set up communication between servers	5
4	Program can not go from user profile to gamepage and back to user profile	"GET" request error	You can go back and forth freely between all pages	Using routes to fix going back and forth	3
5	White piece won't promote	Piece is not promoted and gameplay goes on	Piece is promoted	Check the ranks for white pieces in "promote()"	3
6	Knight can't move up 2 and left 1	Knight will not move up 2 and left 1, and the squares will not be highlighted	Knight will be able move as they are supposed to	Check the move offset of knights in "getKnightMoveSet()"	3
7	Rooks can move through pieces going right	The rooks have illegal moves	All the rook moves are legal	Check the first while loop of getRookMoveset().	3
8	Bishops can move one to the right	The bishop has illegal moves	All the bishop moves are legal	Check the values of j in getBishopMove	3

				reset().	
9	Can be checkmated while not in check	When not in check you can still checkmated	Will only be checkmated only when in check	Check isInCheck in canMove().	2
10	Black knight does not start in the right place	Black knight starts at g8 to f6	Black Knight starts where its supposed to	Check the startNewGame () in	3
11	Even if password and username are correct it says password and username is wrong	Taken to a page saying the username or password is incorrect every time	Get logged in if the username and pass are correct and denied if they are not	Check the post for the login page.	3
12	Cannot create a user profile	Returns "Cannot GET /createProfile.html"	Re routes to createProfile.html	Check how the other GET requests are handled and	3
13	Can go to user profile without logging in	Taken to user profile	Taken to a page that says that you are not authorized to view this page	Check how the "checkAuth" function is used in index.js	3
14	The leftmost column is missing.	The board has 7 columns	The board has 8 columns	Check out how the board is initialized in the initSquares function	5
15	One of the white knights is missing	When the game runs the right white knight is not available	The right white knight is available	Check to see that all white pieces are initialized	5
16	Black side has an extra knight instead of a rook	When game runs the black rook is replaced	The rook is in place and the knight is not	Check to see that all black pieces are initialized correctly	5
17	White squares are not	When clicking a white pieces	The different moves that	Check onclick function	4

	highlighted to show where you can move.	no white squares will be highlighted	you can make are highlighted		
18	If you log in with an incorrect username/password, the website does not redirect back to the login page	Username or password not invalid	Redirects back to the login page	Look at how a createProfile redirects in index.js	3
19	Highlighted moves are not unhighlighted.	When you click a black piece and possible moves are highlighted, the highlight never goes away	Highlighted spaces are unhighlighted when a black piece is moved or when a different piece is selected.	Look at how the clearHighlights function is set up in chess.js	3
20	Kings can move forward two spaces (it should only be allowed to move one space at a time)	You can move a king forward two spaces	You can only move a king forward one space a time	Look at how the king's moves are set up in the getKingMoveSet function	3
21	The queen can't move diagonally to the right.	You can't move a queen at all toward the right	You can move a queen diagonally toward the right side of the board	Look at how the queen's moves are set up in the getQueenMoveSet function in chess.js	3
22	At the start of the game, the black pieces move first (traditionally white moves first).	Black moves first	White moves first	Look at how the chessPlayer function is set up in chess.js	1
23	There is a missing white pawn.	There are 7 white pawns on the board.	There are 8 white pawns on the board.	Look at how the white pieces are set up in the initWhitePiece	3

				s function	
24	White pawns can't move two spaces on their first move	White pieces can only move one space forward on their first move	White pieces can move either one space forward or two spaces forward on their first move	Look at how the move set is set up in the getPawnMove Set function	3
25	Bishops can move diagonal and sideways (they should only be able to move diagonally)	Bishops are able to move in all directions.	Bishops can only move diagonally.	Look at how it's moves are set up and in general how a piece get it's moveset.	3