BoilerChess Black Box Defect Log:

Team 17

**refer to each test case (set of A,B,C) as one from `Team 18 Test Plan`

Defect No.	Defect Description	Defect Severity	Test Case No. or Description**
1	Cannot login after creating a profile, or with any set of username/password	1	4/17
2	You can create a profile without an email, or an email without a valid top level domain (.com,.org, etc)	1	2
3	You can create multiple profiles with the same email	1	Within the create profile page, we created multiple profiles with the email 'example@example.com` each time.
4	Clicking the logo for Boiler Chess or the tabs for Rankings and Current Games does nothing	1	26
5	Hitting "Play" redirects you to boiler-chess-herokuapp.com/play.html and a blank page, but the top bar highlights "Profile"	1	26
6	Hitting "Play", then "Profiles" breaks the app (Cannot GET /BoilerChess/userProfile.html)	1	26
7	The chess game itself becomes unresponsive and you can't end the game or win	1	20

8	The chess board is 8x7 instead of 8x8	3	The chessboard does not follow regulation size
9	You can play the game without being logged in	1	2
10	There's an extra black knight	3	N/A
11	Many pieces aren't in the correct default position	2	N/A
12	Resign button does not do anything	1	23
13	Draw button does not do anything	1	24
14	Moving black pieces highlights possible moves, but does not disappear after move has been made (additionally, there is no highlighting for white	2	13
15	Bishops have the added ability to move like rooks	3	Both white and black bishops can move vertically along with diagonally
16	Sometimes a white piece will turn black when captured instead of disappear (or vice versa)	1	At random points in the game, when one side attempts to capture another piece, the captured piece turns into the opposite color and the attacking piece disappears
17	Boiler Chess doesn't use any secure protocol (https)	1	29
18	Missing option to matchmake with other players	2	Chessboard pieces are missing
19	2 black rooks missing	2	Chessboard pieces are missing

20	2 white pawn missing	2	Chessboard pieces are missing
21	1 white rook missing	2	Chessboard pieces are missing
22	1 white knight missing	2	Chessboard pieces are missing
23	1 black pawn missing	2	Chessboard pieces are missing
24	Moving white pieces does not highlight possible moves.	2	13
25	You can not view which pieces have been captured	2	After capturing a piece, the play can not view which pieces have been captured

*Knowledge dump of all defects we run into so far as we test Team 18's Boiler Chess..so far all of these are done without login working.
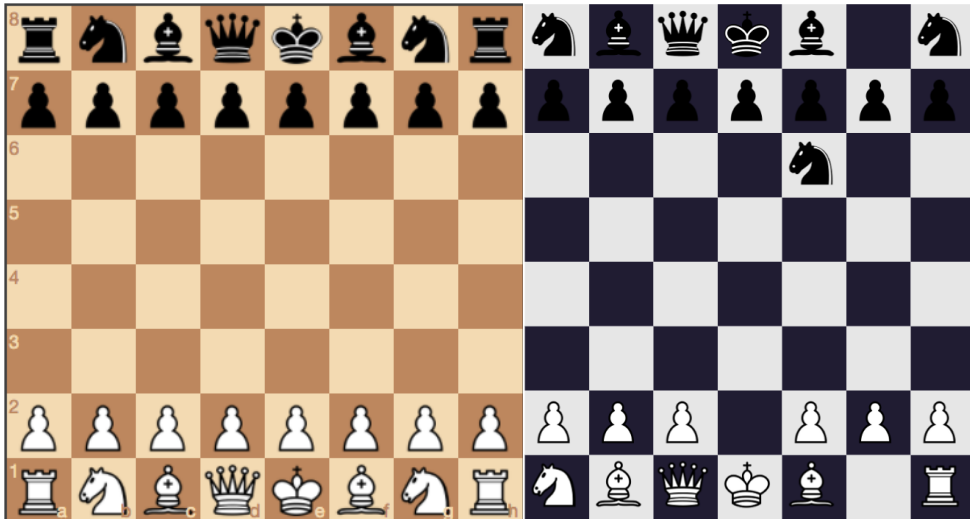
Create Profile/Login Defects
- You can create a profile without an email address or an email without a top level domain (.com, .net, .org, etc) *INVALID EMAIL
- You can create multiple profiles with the same email, with different or same usernames and passwords
- Logging in with anything, whether it's the credentials in the instructions or a profile you create, doesn't work (invalid username & password)

UI Defects
- Clicking upper left "Boiler Chess" logo, "Current Games", or "Rankings" doesn't do anything (you would probably expect it to just redirect you back to login/home page?)
- Hitting "Play" redirects you to boiler-chess-herokuapp.com/play.html and a blank page, but the top bar highlights "Profile"
- You can access "Profile" without being logged in.
- The functionality for actually playing a chess game is under the "Profile" page instead of "Play".
- Hitting "Play", then "Profiles" breaks the app (Cannot GET /BoilerChess/userProfile.html), but going from the login page to "Profiles" works (http://boiler-chess.herokuapp.com/userProfile.html)

Application Defects (the actual chess itself)

- ~~The chess game itself becomes unresponsive and you can't end the game or win(I've tried setting up multiple checkmate/game ending scenarios, please verify. YMMV)~~
- ~~The chess board is 8x7 instead of 8x8~~
- ~~A bunch of missing pieces (2 black rooks, 2 white pawn, 1 white rook, 1 white knight, 1 black pawn).~~
- ~~There's an extra black knight~~
- Many pieces aren't in the correct default position

Chessboardjs.com   boiler-chess.herokuapp.com

- ~~Resign/draw buttons don't do shit~~
- ~~Moving black pieces highlights possible moves, but does not disappear after move has been made (additionally, there is no highlighting for white~~
- ~~Bishops have the added ability to move like rooks~~
- ~~(Trying to figure out how to reproduce 100%) sometimes a white piece will turn black when captured instead of disappear~~

Extra (technically?) defect stuff

- Project Charter suggests matchmaking gameplay with other players or friends. However this functionality is nowhere to be found, and the Product Backlog only indicates functionality to "play on your own". The deliverables section also refers to hosting/matchmade games

```
By matching players against those of similar skill, users can find competitive
play easily, or we provide the option for players to face off against their
friends.
```

```
...A NodeJS based backend to handle hosting and matchmaking games
```

- Deliverables mention keeping information secure, but they aren't using https (or any secure protocol)

```
This page includes a password or credit card input in a non-secure context. A warning
   has been added to the URL bar. For more information, see https://goo.gl/zmWq3m.
```