

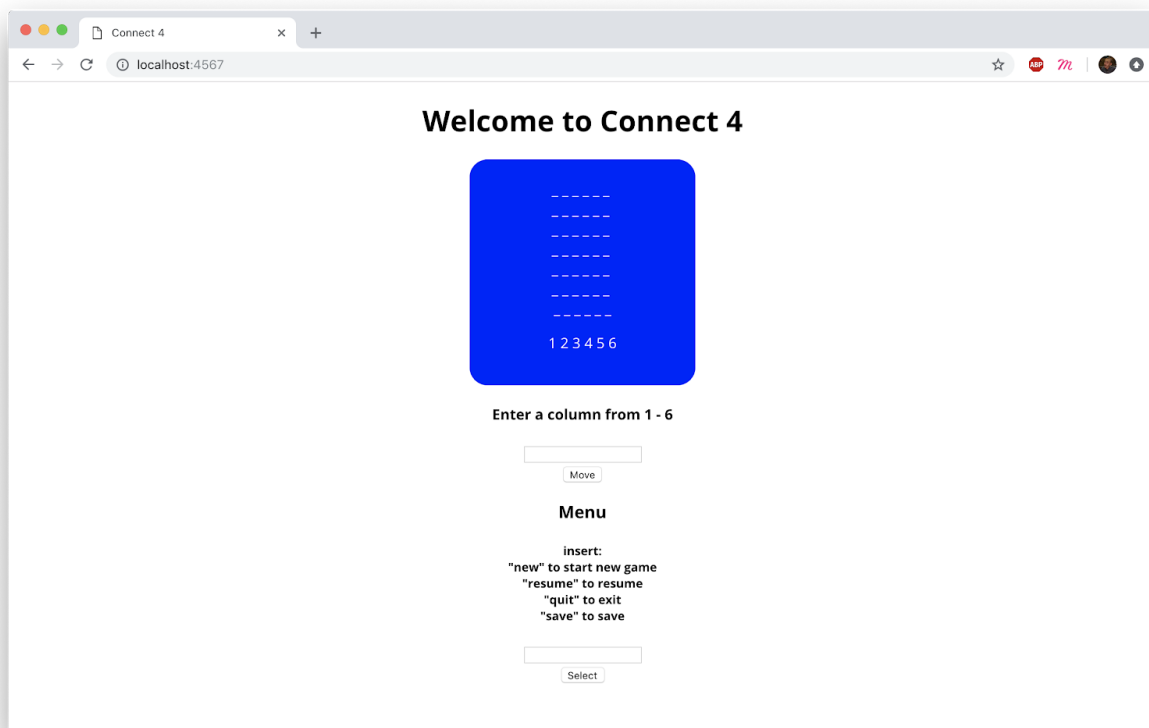
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CS 1022
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Assessment 3

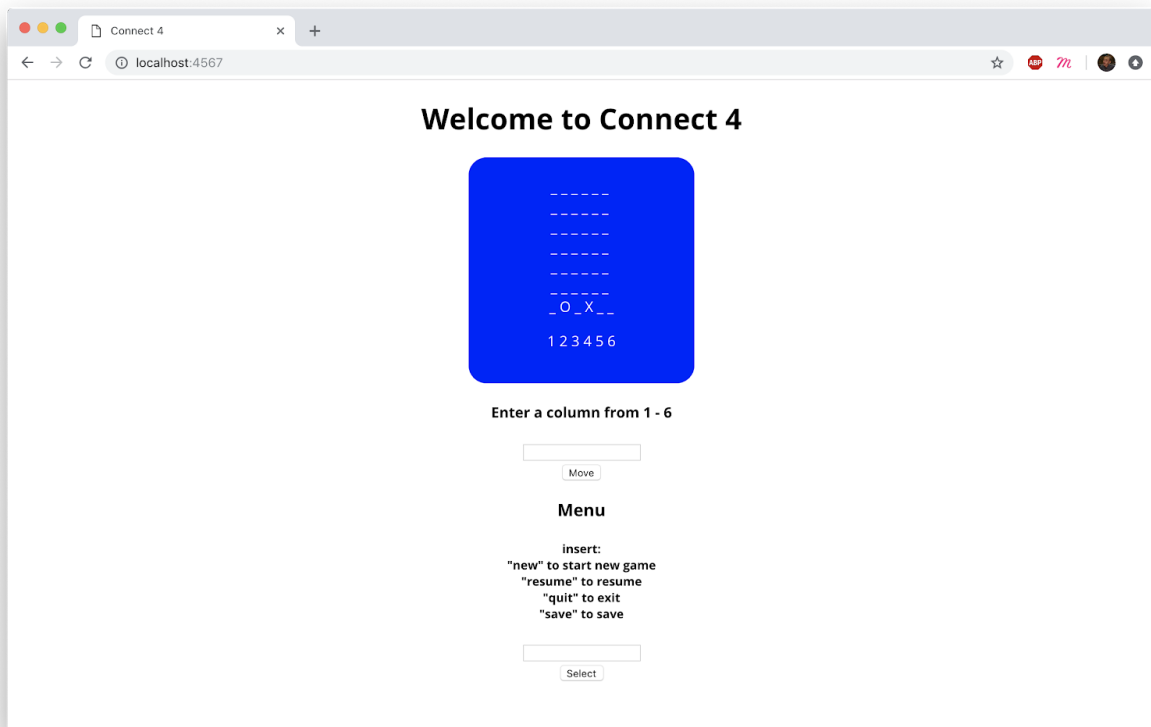
System requirements and installation instructions (i.e. software required to run and maintain the game).

- Mac OS or Windows or Linux
 - Gems:
 - Sinatra
 - Sinatra/reloader
- From the terminal, type `gem install sinatra-contrib` to install the gem

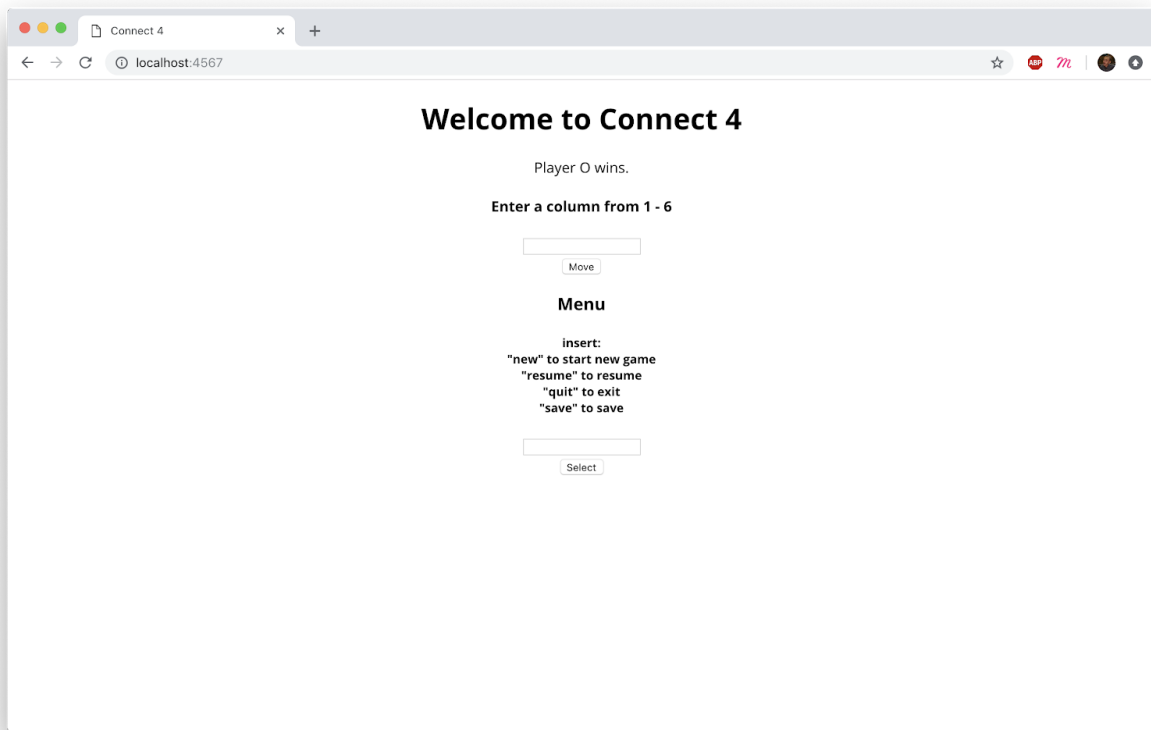
A description of how to use the features implemented in our application.



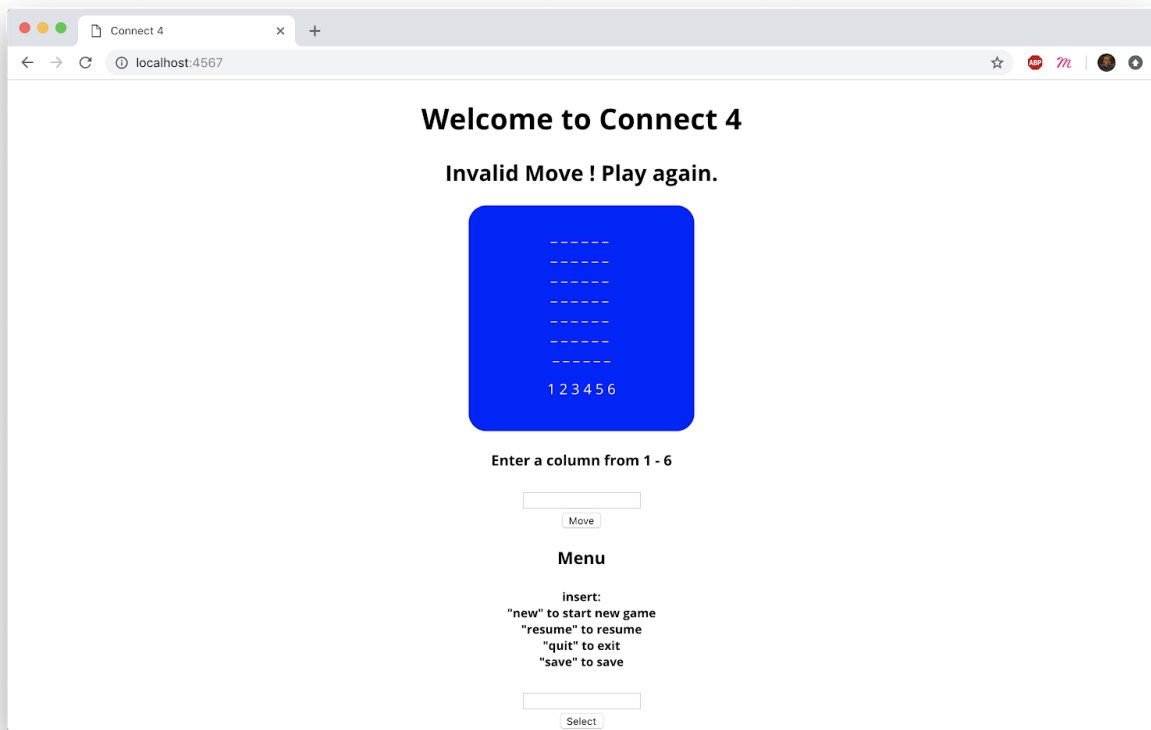
- From the home page, the user enters a value ranging from 1 to 6, and the piece for that player gets placed in that column of the board.



- Upon pressing the “move” button, the player’s turn ends and the second player plays their move (X). This back and forth continues until one player wins



- When a player wins, the board disappears and is replaced with the finish statement
- Options underneath the board allows the user to either: start a new game, resume a previously started game, or exit the game



- When a character other than a number in the range of 1 to 6 is entered, an error message is displayed above the board

Terminal Views

- All features of the connect four game are also accessible via the terminal

```
Command line game
Menu: type 'new' to start a new game, 'resume' to resume, or 'quit' to exit
new
Welcome to Connect 4!
Created by:Aidan, George, and Kieran
Game started.
Player 1: O and Player 2: X
Enter column number to place token.

- - - - -
- - - - -
- - - - -
- - - - -
- - - - -
- - - - -
- - - - -
1 2 3 4 5 6
pick a column from 1-6 to drop your piece
█
```

- Terminal interface

```
Enter column number to place token.

- - - - -
- - - - -
- - - - -
- - - - -
- - - - -
- - - - -
- - - - -
1 2 3 4 5 6
pick a column from 1-6 to drop your piece
e
Invalid move, try again
pick a column from 1-6 to drop your piece
█
```

- Error message for invalid character

```
Assessment3_Connect4 — -bash — 92x31
-- -- -- --
-- -- -- --
-- -- -- --
0 -- -- --
0 X -- --
0 X -- --
1 2 3 4 5 6
Player 2's Turn
pick a column from 1-6 to drop your piece
2
-- -- -- --
-- -- -- --
-- -- -- --
0 X -- --
0 X -- --
0 X -- --
1 2 3 4 5 6
Player 1's Turn
pick a column from 1-6 to drop your piece
1
-- -- -- --
-- -- -- --
-- -- -- --
0 -- -- --
0 X -- --
0 X -- --
0 X -- --
1 2 3 4 5 6
Game is done 0 wins
oa-vedu-217-119:Assessment3_Connect4 aidantoole$
```

- Winning and terminating interface