

Title
TicTacToe

Charter
Explore: TicTacToe Game

Preconditions
For a 2 player game, two instances of different browsers must be running. Each logged in with a separate user.

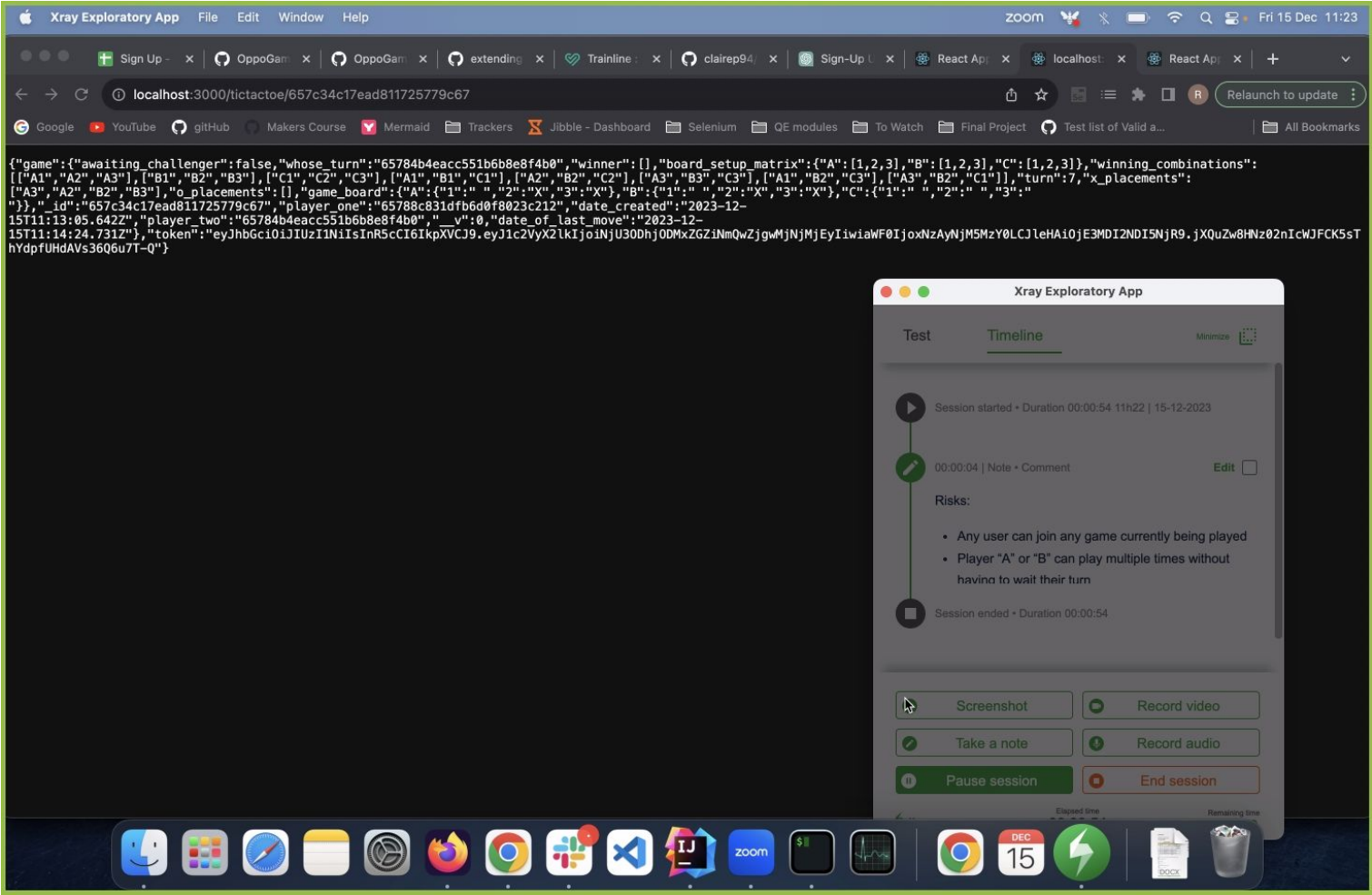
Session started • Duration 00:46:12 11h22 | 15-12-2023

00:00:04 | Note • Comment

Risks:

- Any user can join any game currently being played
- Player “A” or “B” can play multiple times without having to wait their turn
- Win/Loss conditions not working as expected
- A user not in the game session can have access to the game currently being played and interact with the board and/or the buttons. ie no session management

00:01:38 | Screenshot • Comment



Steps:

Player “A” = player who plays first (“X”)
Player “B” = second player (“O”) - not visible in this instance

- Run a game
- As player “B”, click “Back” in the browser
- As player “B”, Click “Forward” in the browser
- Observe the issue

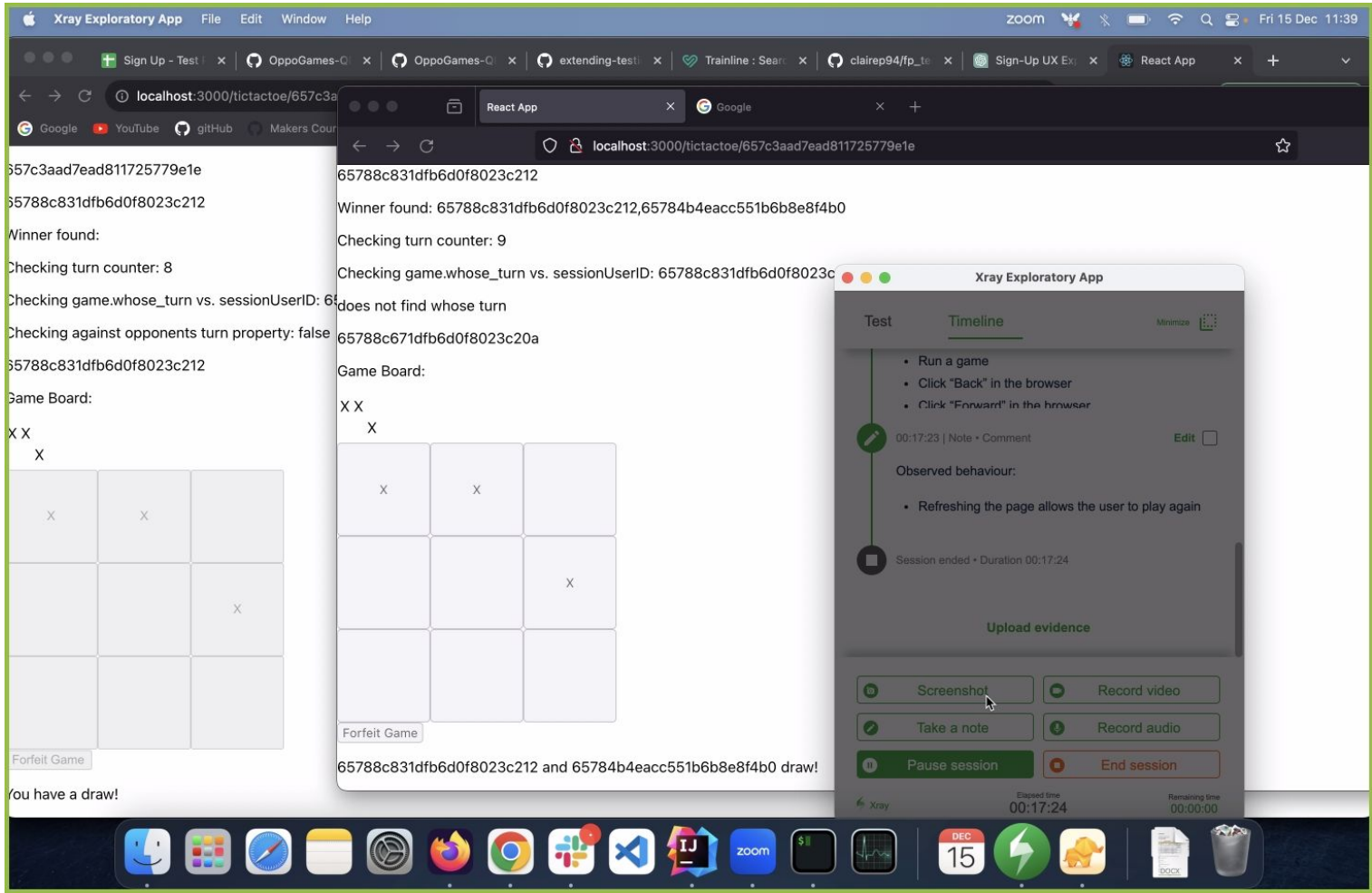
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Observed behaviour:

- Refreshing the page allows the user to play again



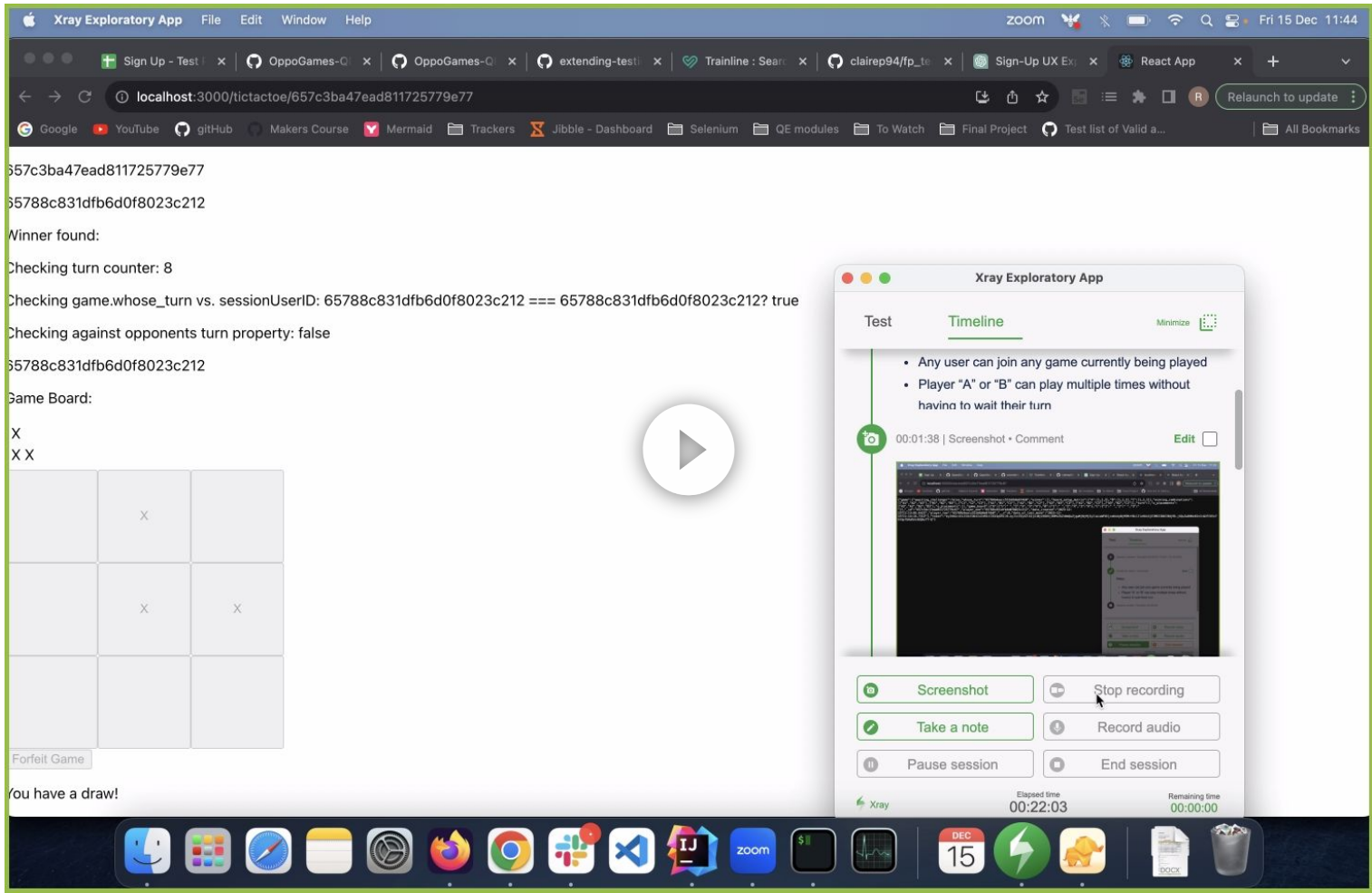
00:19:39 | Screenshot • Comment



- Circle symbols not showing on the board.
- When user “B” (circle) chooses a location on the board, the symbol does not appear and player “A” is still able to select the same location and mark it (“X”). This results with weird win/loss conditions and Player “A” is instructed the game is a Draw. SEE VIDEO BELOW



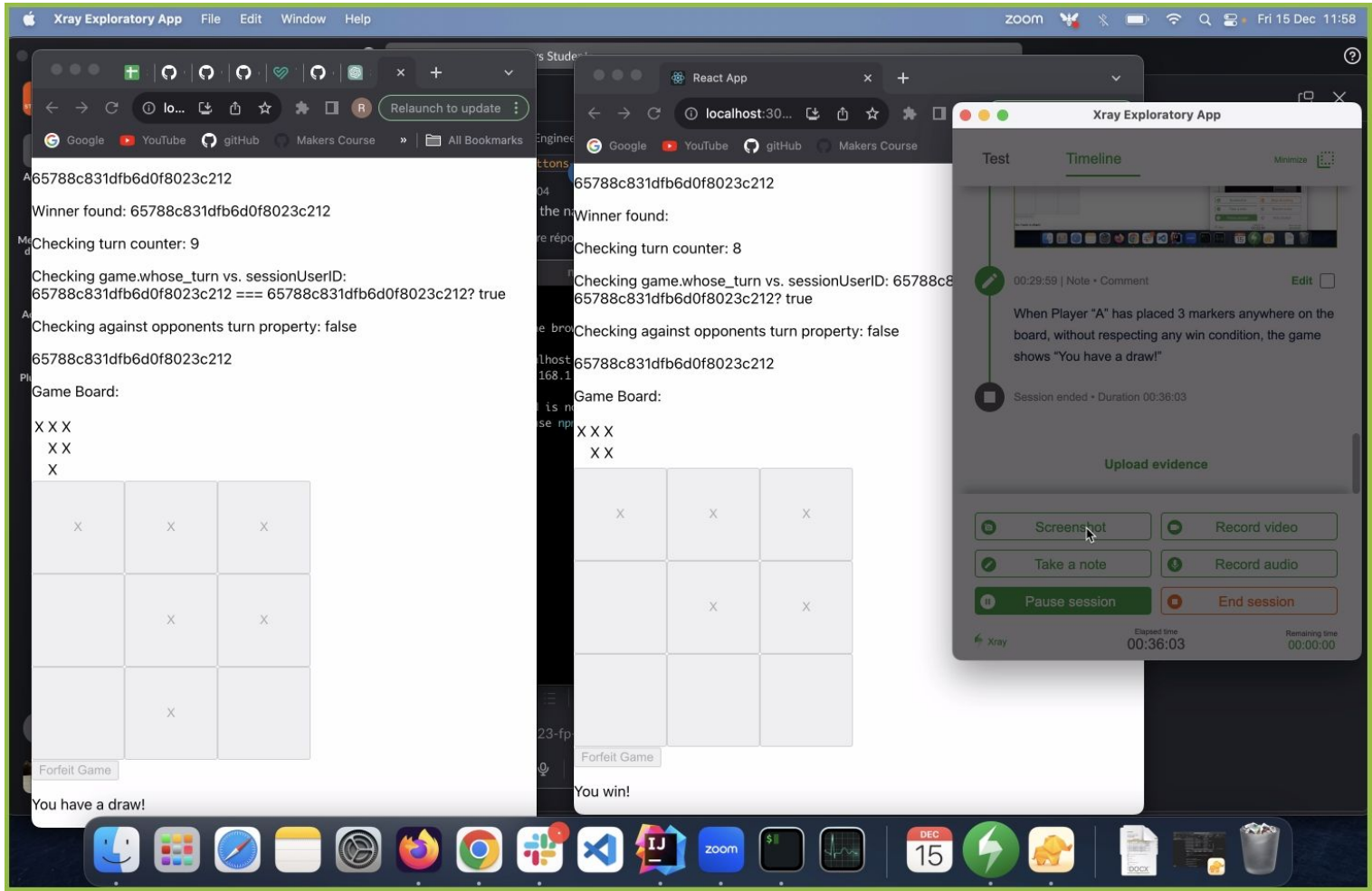
00:23:44 | Video • Comment



00:29:59 | Note • Comment

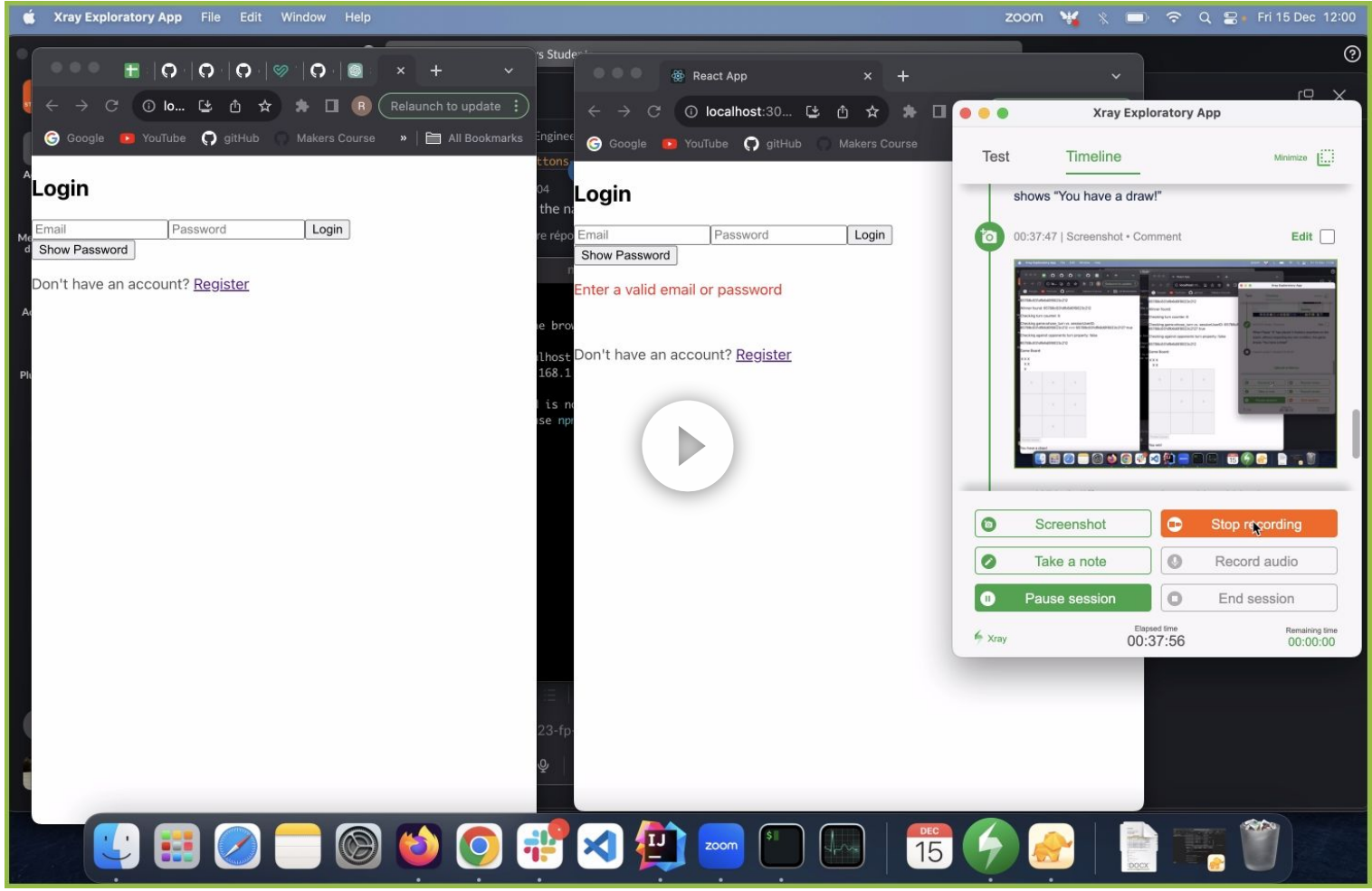
When Player “A” has placed 3 markers anywhere on the board, without respecting any win condition, the game shows “You have a draw!”

00:37:47 | Screenshot • Comment



- With 2 different users logged in within the same browser, playing a game results in both players using the “X” symbol on the board.
- First player to align three “X”s wins, but the second player is allowed one more move, which results in a draw.

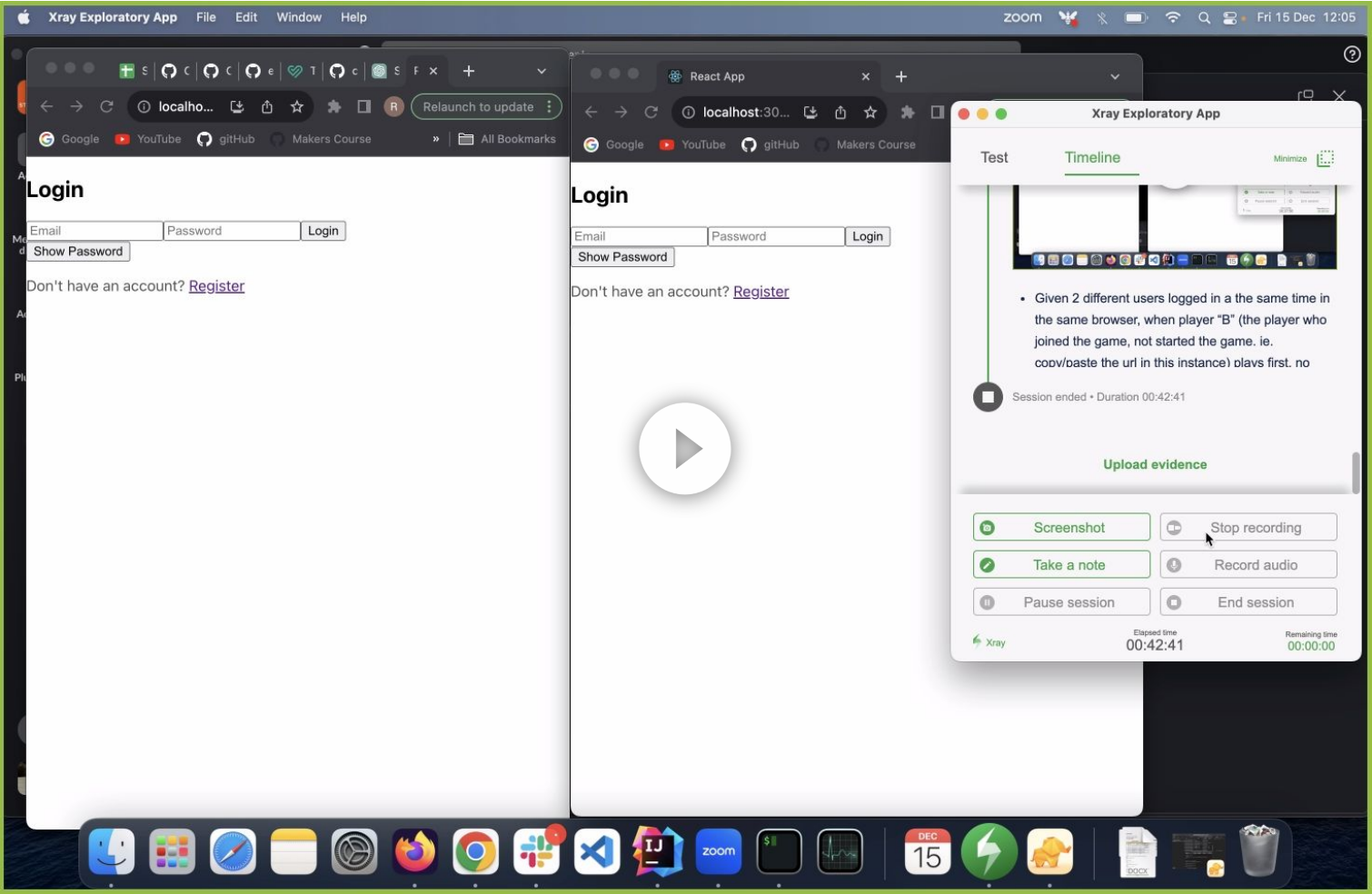
00:39:34 | Video • Comment



- Given 2 different users logged in at the same time in the same browser, when player “B” (the player who joined the game, not started the game. ie. copy/paste the url in this instance) plays first, no symbol is displayed on the board when playing.



00:46:05 | Video • Comment



- Inconsistent and random behaviour when playing a game with 2 different logged in users in the same browser.
 1. No “X” or “O” symbol is displayed
 2. Players can select the same location on the board for every turn
 3. Win/Loss conditions not working as expected. Results in a draw.



Session ended • Duration 00:46:12 12h08 | 15-12-2023