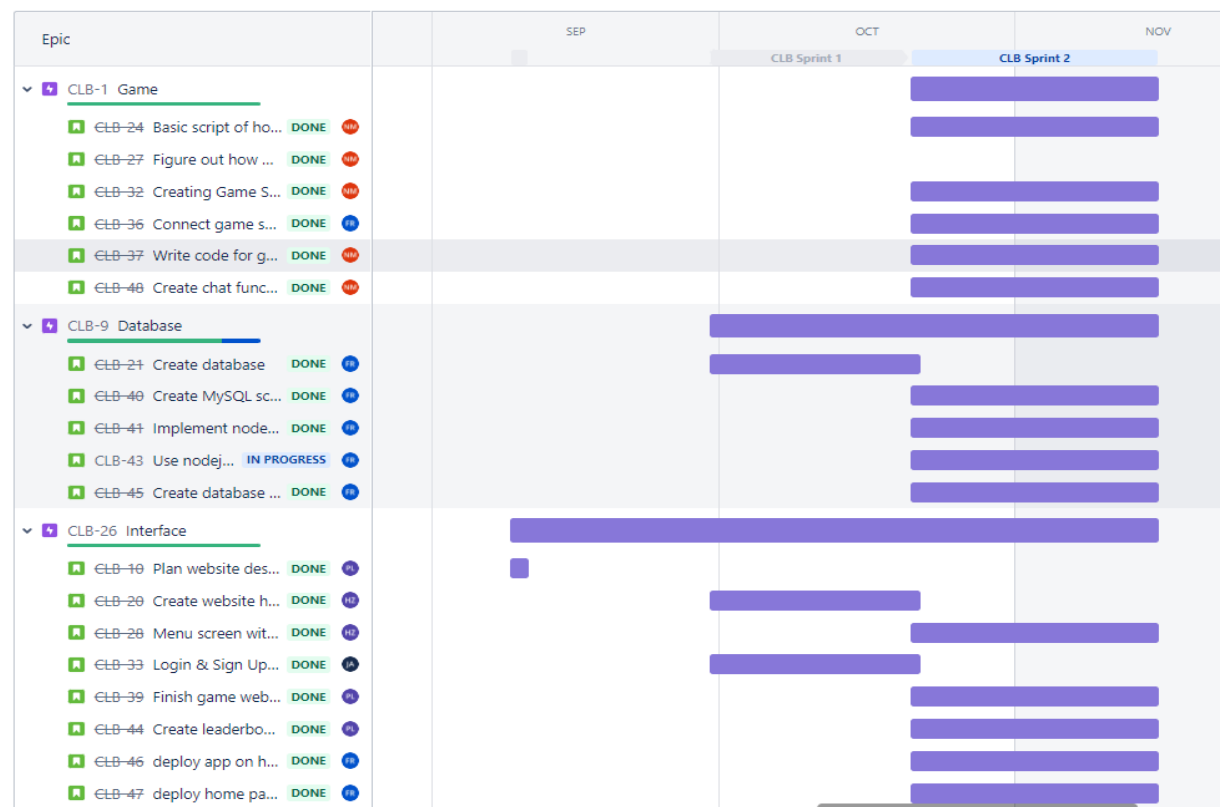


Project Description:

- For our project, we decided to create a TicTacToe game called, TicTacToe Max, a grid game with a bit of added features to make the original slightly more interesting. Our project contained a mix of HTML (website) and JavaScript files (server). Differences in our game compared to the original was the rule of 3 in a row which we changed to 5, in order to add a bit of difficulty and challenge to the game. Another added feature to our game was the ability for players to take spots on the grid which resulted in much longer and competitive games. We started the project by designing a website that gave a chance for users to learn the new rules of our game as well as hyperlinks to other functions of our project (leaderboard, rules, etc). We wanted users to interact with one another while playing and decided to create a chatbox embedded in the game which gave users a multiplayer experience. On top of that, we included a leaderboard to give again, a competitive platform amongst players. Ultimately, our project provides a different approach to a classic game but we felt that our added features gave users a unique experience in playing our project; TicTacToe Max.

Project Tracker:

- Jira
- <https://csci-3308-fall21-013-02.atlassian.net/jira/software/projects/CLB/boards/1/roadmap?selectedIssue=CLB-1>



Video

- https://www.youtube.com/watch?v=07ucXsubx14&ab_channel=Apten

VCS

- <https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-013-02>

Contributions:

- Freddy: Created postgres database server on Heroku, created leaderboard server (js, html, php) and deployed it on Heroku, deployed homepage and game on Heroku, connected leaderboard.js and server.js to database server (js, nodejs: pg, express), hyperlinked leaderboard and game to homepage (html), wrote function to check for unique usernames in server.js (js)

<p>Commits on Nov 29, 2021</p> <p>Update README.md alro9829 committed 18 minutes ago</p> <p>Update README.md alro9829 committed 20 minutes ago</p> <p>Update README.md alro9829 committed 20 minutes ago</p> <p>Update README.md alro9829 committed 22 minutes ago</p>	<p>trying to deploy home page alro9829 committed 12 days ago</p> <p>trying to deploy home page alro9829 committed 12 days ago</p> <p>trying to deploy home page alro9829 committed 12 days ago</p> <p>heroku stuff alro9829 committed 13 days ago</p> <p>heroku stuff alro9829 committed 13 days ago</p> <p>heroku stuff alro9829 committed 13 days ago</p> <p>a alro9829 committed 13 days ago</p> <p>working on connecting to heroku alro9829 committed 13 days ago</p> <p>trying to connect server.js to heroku alro9829 committed 13 days ago</p> <p>working on heroku alro9829 committed 13 days ago</p>	<p>Commits on Nov 15, 2021</p> <p>almost fully working leaderboard alro9829 committed 14 days ago</p> <p>setting up file for test cases alro9829 committed 15 days ago</p> <p>Commits on Nov 14, 2021</p> <p>working on merging databasepg and server.js alro9829 committed 15 days ago</p> <p>Commits on Nov 11, 2021</p> <p>setting up nodejs to read socket emit alro9829 committed 18 days ago</p> <p>updated nodejs for new database alro9829 committed 18 days ago</p> <p>yea alro9829 committed 18 days ago</p> <p>Commits on Nov 8, 2021</p> <p>milestone 5 fr alro9829 committed 21 days ago</p> <p>Merge branch 'main' of https://github.com/CU-CS alro9829 committed 21 days ago</p> <p>milestone 5 alro9829 committed 21 days ago</p> <p>lets go alro9829 committed 22 days ago</p> <p>Commits on Nov 7, 2021</p> <p>fully working database with remote access alro9829 committed 22 days ago</p> <p>Commits on Oct 29, 2021</p> <p>Milestone 4 PDF alro9829 committed on Oct 29</p> <p>updated database, working on scripts alro9829 committed on Oct 29</p> <p>Commits on Oct 19, 2021</p> <p>Milestone 3 alro9829 committed on Oct 19</p> <p>Merge branch 'main' of https://github.com/CU-CS alro9829 committed on Oct 19</p> <p>Milestone 3 alro9829 committed on Oct 19</p> <p>unzipped/added some files alro9829 committed on Oct 19</p> <p>Commits on Oct 11, 2021</p> <p>working on database alro9829 committed on Oct 11</p> <p>Commits on Sep 20, 2021</p> <p>Create meetinglogs.txt alro9829 committed on Sep 20</p>
<p>Commits on Nov 18, 2021</p> <p>milestone 6 alro9829 committed 11 days ago</p>		
<p>Commits on Nov 17, 2021</p> <p>test alro9829 committed 12 days ago</p> <p>milestone 6 alro9829 committed 12 days ago</p> <p>project finished alro9829 committed 12 days ago</p> <p>Merge branch 'main' of https://github.com/CU-CS alro9829 committed 12 days ago</p> <p>leaderboard alro9829 committed 12 days ago</p> <p>moving files alro9829 committed 12 days ago</p> <p>Merge branch 'main' of https://github.com/CU-CS alro9829 committed 12 days ago</p> <p>moving files alro9829 committed 12 days ago</p> <p>Update README.md alro9829 committed 12 days ago</p> <p>directory formatting alro9829 committed 12 days ago</p> <p>Merge branch 'main' of https://github.com/CU-CS alro9829 committed 12 days ago</p> <p>website deployed and connected to game alro9829 committed 12 days ago</p>	<p>Commits on Nov 16, 2021</p> <p>heroku alro9829 committed 13 days ago</p> <p>working on leaderboard still alro9829 committed 13 days ago</p> <p>working on leaderboard alro9829 committed 13 days ago</p> <p>working on leaderboard alro9829 committed 13 days ago</p> <p>unique username alro9829 committed 14 days ago</p> <p>check for unique usernames alro9829 committed 14 days ago</p> <p>database connected to game alro9829 committed 14 days ago</p> <p>Commits on Nov 15, 2021</p> <p>working on errors alro9829 committed 14 days ago</p>	

- Nicholas: Created game and socket.io for multiplayer functionality for both the frontend and backend. For the game, created the conditions that worked in tandem with socket.io in order to have live updates to clients to create a multiplayer experience. Also, made the chat function as well with socket.io for users to communicate with each other as well as showing information pertaining to the game for users to see in the chat box. Used html, socket.io, node.js, js to create the game for users to play online.

The screenshot displays a GitHub commit history for the 'main' branch. The interface is dark-themed. At the top, a tab labeled 'main' is visible. The commit history is organized by date, with sections for 'Commits on Nov 15, 2021', 'Commits on Nov 14, 2021', 'Commits on Nov 11, 2021', 'Commits on Nov 8, 2021', 'Commits on Oct 19, 2021', 'Commits on Oct 12, 2021', 'Commits on Oct 11, 2021', 'Commits on Sep 30, 2021', and 'Commits on Sep 20, 2021'. Each commit entry includes a title, the user's name (Aptenz), the time since the commit, a commit hash, and a button to view the commit details. The commits are as follows:

- Nov 15, 2021:** 'pg install' (99db39a), committed 14 days ago.
- Nov 14, 2021:** 'usernames added' (1891bc3), committed 15 days ago.
- Nov 11, 2021:** 'finished game win conditions and cooldown functionality' (a074e53), committed 18 days ago; 'updated board' (aaf11a7), committed 18 days ago.
- Nov 8, 2021:** 'update game grid' (189474f), committed 21 days ago.
- Oct 19, 2021:** 'updated chat box that makes sense' (390d8d2), committed on Oct 19.
- Oct 12, 2021:** 'block painting function' (3d23c00), committed on Oct 12; 'chat func added for server to client side' (60ea23d), committed on Oct 12.
- Oct 11, 2021:** 'socket.io added with server functionality to local host only' (17125f5), committed on Oct 11; ''initial'' (ed28a5a), committed on Oct 11.
- Sep 30, 2021:** 'project milestone 2' (3e6cf01), committed on Sep 30.
- Sep 20, 2021:** 'Project Milestone 1' (ab58261), committed on Sep 20.

- Henock: I created the homepage website that connected to both the actual game and the leaderboard. The game was connected through the start button which was highlighted in the middle of the page. The leaderboard could be accessed from the navbar which was at the top right of the page. The navbar also contained hyperlinks to the rules of the game for the user. The HTML code would behave so the user could click on rules and would navigate to that part of the homepage.

main

Commits on Nov 17, 2021

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...
henryzC committed 12 days ago
e27ec3d

Website
henryzC committed 12 days ago
5dd2ec7

Website
henryzC committed 12 days ago
9ffa5cc

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...
henryzC committed 12 days ago
022435a

Website
henryzC committed 12 days ago
3b8a12e

Commits on Nov 16, 2021

website
henryzC committed 13 days ago
04f7df7

Website
henryzC committed 13 days ago
e8ae203

WebsiteChanges
henryzC committed 13 days ago
f518c52

Commits on Nov 11, 2021

Changes
henryzC committed 18 days ago
8393891

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...
henryzC committed 18 days ago
693b85c

TTTM
henryzC committed 18 days ago
60bae69

Commits on Nov 8, 2021

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...
henryzC committed 21 days ago
1bc3f6c

TTTM
henryzC committed 21 days ago
ca68ee9

TTTM
henryzC committed 21 days ago
46d4178

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...
henryzC committed 21 days ago
ea4fc46

TTTM
henryzC committed 21 days ago
e5e58f3

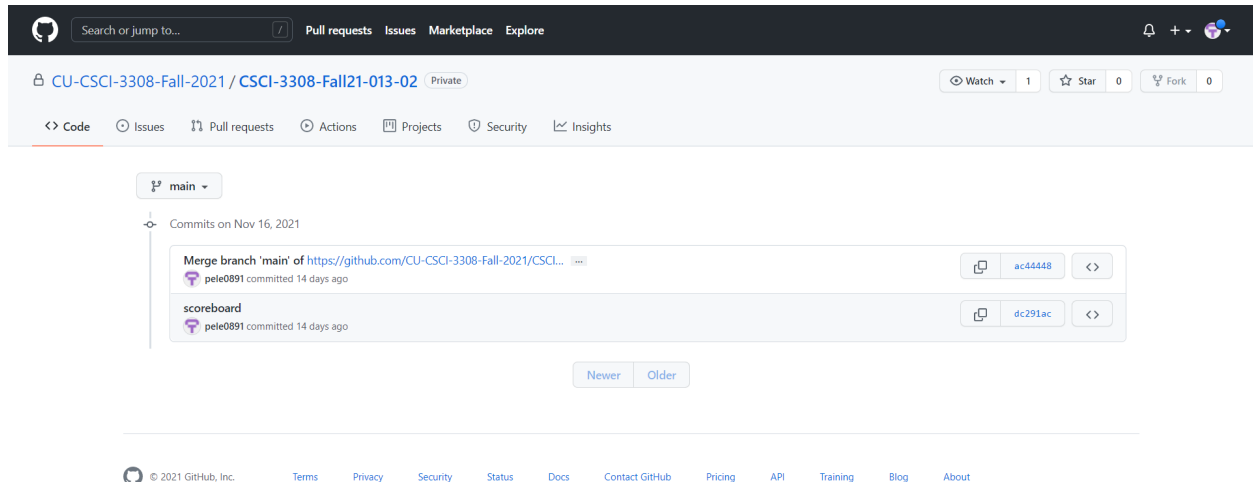
Commits on Oct 29, 2021

Updated
henryzC committed on Oct 29
05592c9

Milestone4
henryzC committed on Oct 29
016cf2b

Homepage
henryzC committed on Oct 29
05ae414

- Peter: During the project my main task was to develop the homepage and the leaderboard for the application. For the homepage, I used bits of HTML to create the foundation for the homepage. Also using CSS to style the homepage and improve the UI. The main feature in the homepage was to incorporate a moving nav bar that would stay at the top of the screen while the client would scroll around. For the leaderboard I incorporated HTML to create the format and javascript to dynamically connect the wins from the database to the leaderboard.



Deployment

- Home page: <https://clb-home.herokuapp.com/>
- Other pages (accessible through home page):
 - Leaderboard: <https://clb-leaderboard.herokuapp.com/>
 - Game: <https://fierce-basin-18108.herokuapp.com/>