Title: Math Whiz-ard

Who:

- Logan Park
- Zach Wrubel
- Alex Oiemann
- Tim Wilson
- Jon Noranbrock

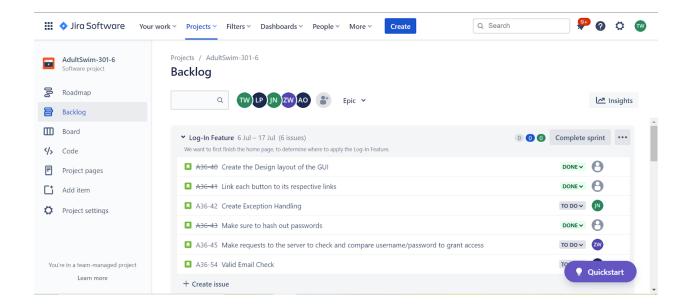
Project Description: A 200 word summary of the project.

At first, when we were brainstorming our ideas for the project, we were thinking about a couple things: We wanted to create something that was free, simple, effective and accessible. We brainstormed a few ideas about what web app could perhaps fit into this category while being the most useful. That's when we encountered our idea for *Math* Whiz-ard. Many websites for math practice required payment, and were rather difficult to use for kids. Many of these sites required the guidance of parents and had a paywall, and we wanted to break some of those barriers and make it more accessible.

Math Whiz-ard is a web app that allows users to practice basic math problems. Intended mainly for kids in elementary or middle school, *Math Whiz-ard* is a web app that can help improve grades and test scores. Unlike Pearson practice tests, our product allows the user to practice as much or as little as they need to feel comfortable with the subject. Users can choose from an array of problem types, including: addition, subtraction, multiplication, division, fractions, algebra, and decimal operations. Users will be shown the correct answer if they are wrong and once they are done will be shown their score and a short list of problems they got wrong. Lastly, like we have mentioned before, the UI is clean and simple; it is easily understandable and accessible for all, and the best part of the entire package is that there is no paywall!

Project Tracker: (Trello, Asana, or similar tool.)

https://csci-3308-summer1-6.atlassian.net/jira/software/projects/A36/boards/1



VCS: Link to your git Repository

https://github.com/CSCI-3308-CU-Boulder/3308Summer21_300_6

Contributions:

Team Member Name & Description of Contributions	Screenshots of GitHub Commits
Alex: Most of my work was on the problems html pages and the corresponding javascript. Zach and I developed the addition page for which we used as a template for the subtraction, multiplication, and division pages. I also developed all of the features of the fractions and decimals pages that differed from the addition page and the feature of the algebra page that allows for different operators. In addition to working on the problems pages I developed an option for the user to view their score and quit their current problem set which takes them to a screen that shows them their score as correct/attempted and as a percentage and displays a few problems that they	Deleting decimals, is (was in the wrong place) ### Addition of the comment of th

missed with their incorrect answer and the correct answer. Apart from that I created the *Math Whiz-ard* logo and home logo, cleaned up some aspects of the design, and made a version of the postgres user name feature that we didn't end up using in the final version of the project (this was never committed to our GitHub repo).

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Jonathan: Added the show password button. Also added Regex catch for email and password on registration to prevent bad (poorly written) passwords and emails from being inserted into DB. The catch displays a green checkmark when user's inputs are valid.

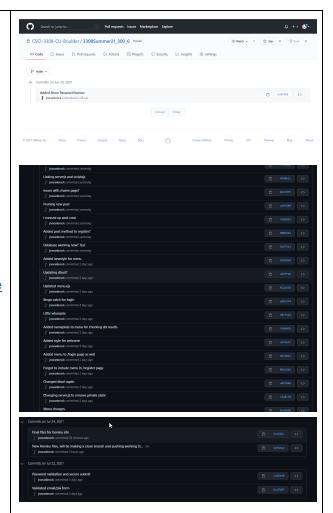
Worked on PGSQL and getting connected via pg-promise and db.queries. Functional login, registration pages are available at the below links. https://mathwizard.herokuapp.com/login

https://mathwizard.herokuapp.com/register

The app is a different version that has minor changes to database connection settings and quality of life adjustments for queries.

The Github branch for this app is located below for convenience.

https://github.com/CSCI-3308-CU-Boulde r/3308Summer21 300 6/tree/jon/Heroku

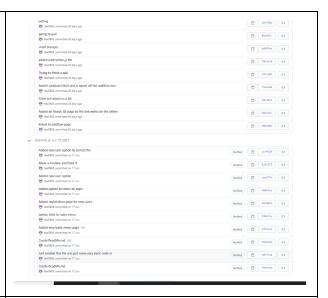


Logan: Worked on front end and back end, and additionally filled in whichever role/feature was needed. Worked Front End: (Javascript, HTML, CSS) Back End: (JS, Node js, PostgreSQL, EJS, AJAX)

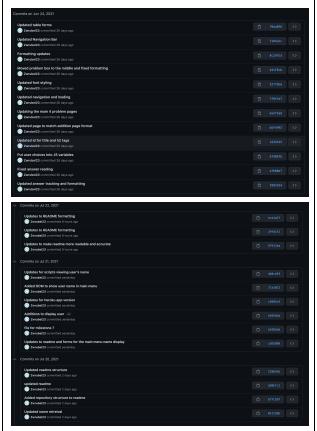
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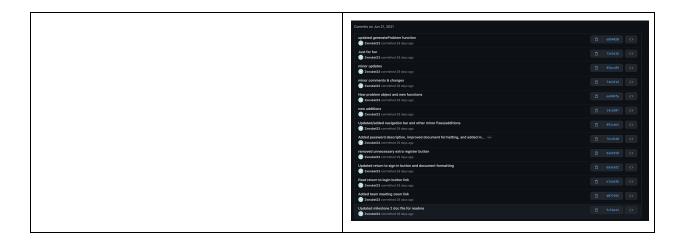
Tim: Worked on front end stuff with html and javascript. I set up basic templates and cleaned up and added functionality. Set up the website to function on docker and then heroku. Helped a little on the database.

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Zach: Developed front and back end features. Such as initial templates for the problem pages, and javascript work with functions that generate the problems and record all relevant information for the problems attempted, including the user's input.





Deployment: link to deployment environment and a written description of how the app is deployed and how one might access/run the app.

We used Heroku to deploy our app. Heroku is a Platform as a Service (PaaS) that allows developers to easily deploy their apps online. Anyone with access to the internet can access the *Math Whiz-ard* app by clicking the link below.

https://mathwhiz-ard.herokuapp.com/

Database (functional connection, not much visually to confirm it for user as of right now)

https://mathwizard.herokuapp.com/

Setting up an account on the site and then logging in will show the name that the user registered with, as seen below.

