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CS 4800
9/26/24

Assignment 1

<u>Estimated hours (8 hours):</u>

- 15 min analysis / design
- 2 ¾ hours frontend
- 5 hours backend

<u>Actual Hours (5 hours):</u>

- Monday 1 hour Frontend dev
- Tuesday 1 hour 10 min analysis / design 50 Frontend dev
- Wednesday 1 hour API setup
- Thursday 2 hours: API debugging + 10 min testing

<u>Record number of bugs/defects found during testing:</u>

1. At first I tried just calling the OpenAI API directly from my frontend, but the documentation didn't support it, so I had to set up a express.js backend to call the API which would serve it to the frontend.
2. During my OpenAI API call it was expecting a JSON object, but I wasn't sending one because the documentation was wrong. This bug took the most time because I trusted the documentation, so I didn't think that it was the issue
3. When the frontend called my backend node js server, I had a syntax error with the fetch request causing the sent string to be undefined

Calculator 1 — Display: sin(30)*2

sin	cos	←	C
(	)	^	/
7	8	9	*
4	5	6	-
1	2	3	+
log	0	.	=

Calculator 2 — Display: 1.0

sin	cos	←	C
(	)	^	/
7	8	9	*
4	5	6	-
1	2	3	+
log	0	.	=

Calculator 3 — Display: 8^2

sin	cos	←	C
(	)	^	/
7	8	9	*
4	5	6	-
1	2	3	+
log	0	.	=

Calculator 4 — Display: 64

sin	cos	←	C
(	)	^	/
7	8	9	*
4	5	6	-
1	2	3	+
log	0	.	=