

# Rate My Courses

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# Rate My Courses

*Rate My Courses* is a platform where students can review classes on various metrics such as difficulty, how well they're taught, and workload.

Along with viewing these metrics, the platform will also allow users to write reviews of the class, allowing for a more detailed and unrestricted assessment.

Students will then be able to view all reviews that have been inputted into the platform to better understand what to expect from various courses.

# Rate My Courses

*Rate My Courses* will fill the void left by FCQ's as it allows students to share their opinions and view those of others without being confined to the questions on the FCQ.

## Write a review for CSCI 1300

Year taken:

Term taken:

**Rate this course on a scale from 0 to 10:**

With a 0 being worst course ever do not take it to a 10 being it's perfect and a personal favorite, rate this course:

Overall class rating:



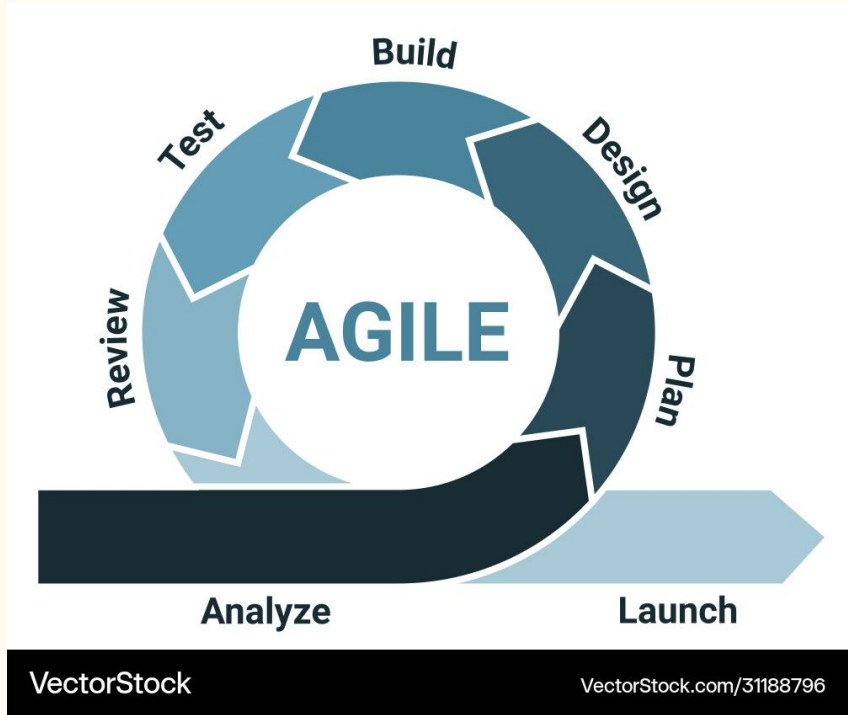
# Tools Used



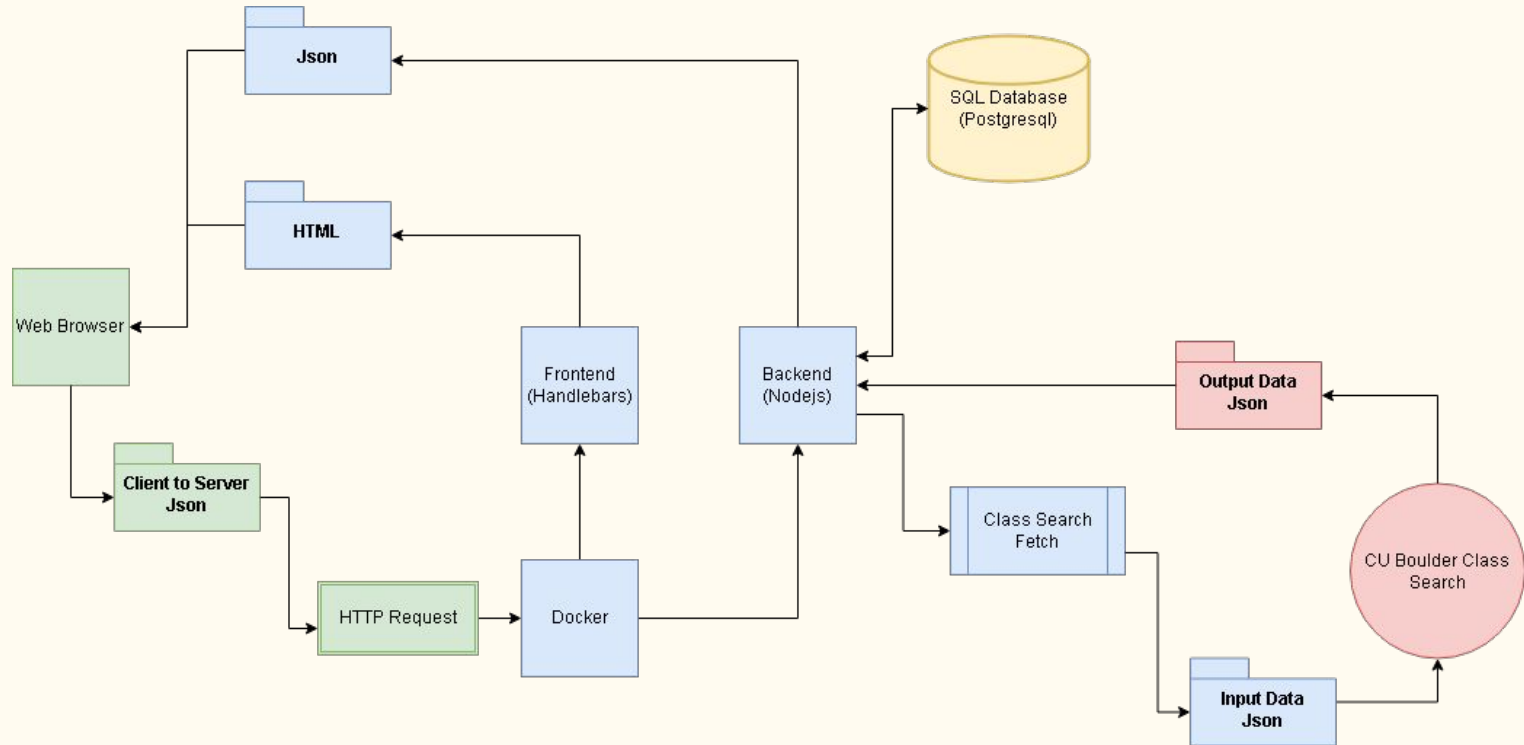
- GitHub (5) : remote repository
- PostgreSQL (5) : database storage
- VSCode (5) : remote branch editing
- Handlebars, HTML, CSS (3) : templating, styling and organization
- NodeJS (4) : server-side code
- Localhost (4) : server for testing
- CU Boulder Course List API (5) : used for class information
- Chai (1) : used for testing, annoying given project time frame
- Docker (3) : containerization and deployment were easy
- Discord (4) : team communication

# Methodologies

- Peer Code Reviews
- Agile
- Github Project Board



# Architecture Diagram



# Rate My Courses

Start typing to search...

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# Rate My Courses

csci

CSCI 1000: Computer Science as a Field of Work and Study

CSCI 1200: Introduction to Computational Thinking

CSCI 1300: Computer Science 1: Starting Computing

CSCI 2270: Computer Science 2: Data Structures

CSCI 2275: Programming and Data Structures

## CSCI 1000

### Computer Science as a Field of Work and Study

1 credit hours



Introduces curriculum, learning techniques, time management and career opportunities in Computer Science. Includes presentations from alumni and others with relevant educational and professional experience. Same as CSFB 1000.

Average Rating: 7.0

[Write a review](#)

Sort by: Popular

Review from Fall 2022:

	Overall:	Homework:	Enjoyability:	Usefulness:	Difficulty:
 1  a ok	7/10	7/10	7/10	6/10	1/10
Posted by madison					

## Write a review for CSCI 1000

Year taken:

Term taken:

### Rate this course on a scale from 0 to 10:

With a 0 being worst course ever do not take it to a 10 being it's perfect and a personal favorite, rate this course:

Overall class rating:

How difficult was the class content?

How difficult was your homework/workload?

How useful was this class to you?

How enjoyable was this class to you?

### Write your review:

I really enjoyed the class. It gave me plenty of life skills to use throughout my undergraduate career and beyond.

Submit Review

## mady's Reviews

Sort by: Year

### CSCI 1000: Computer Science as a Field of Work and Study

Fall 2021

Overall: 6/10	Homework: 3/10	Enjoyability: 6/10	Usefulness: 8/10	Difficulty: 2/10
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I really enjoyed the class. It gave me plenty of life skills to use throughout my undergraduate career and beyond.

[Visit Course](#) [Delete Review](#) [Update Review](#)



# Challenges Faced

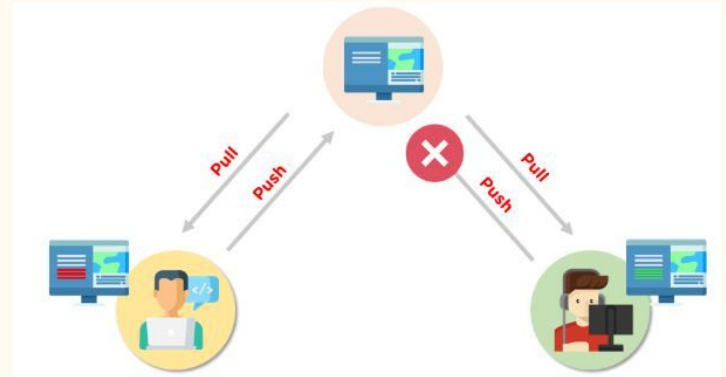
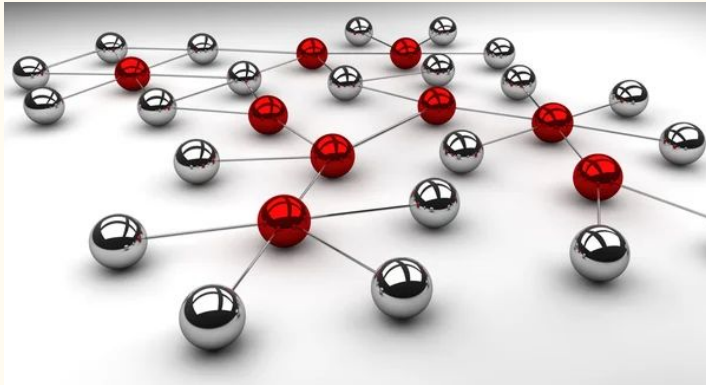
- Finding an appropriate scope
  - We started with just writing reviews for CSCI classes at CU, and then we realized that we could use an API to get all of the courses offered at CU in our page
  - Implementing the API seamlessly into our database was a challenge since there is so much data; how do we scrape it all?
  - We worked around this issue by only adding a course to our database on demand (when a user searches for it)



# Challenges Faced

- Communication

- Working through blocking issues, a lot of our issues depended on others completing their part
- Integrating our local code with others was a challenge at first, especially when we were all working on similar features and making pull requests at the same time.
- We fixed the first issue by informing each other of what needed to be done. We fixed the other issue by trying to avoid working on similar files at the same time.



# Challenges Faced

- Debugging our issues

We had issues with Docker, where some of our containers were failing. We were able to screenshot the errors and help each other out on Discord.

GitHub was not properly updating our package.json

```
2024-04-09 12:20:31 web-1 | Error: Cannot find module 'bcrypt'
2024-04-09 12:20:31 web-1 | Require stack:
2024-04-09 12:20:31 web-1 |   - /home/node/app/src/index.js
2024-04-09 12:20:31 web-1 |     at Module._resolveFilename (node:internal/module
2024-04-09 12:20:31 web-1 |       s/cjs/loader:1144:15)
2024-04-09 12:20:31 web-1 |     at Module._load (node:internal/modules/cjs/loade
2024-04-09 12:20:31 web-1 |       r:985:27)
2024-04-09 12:20:31 web-1 |     at Module.require (node:internal/modules/cjs/loa
2024-04-09 12:20:31 web-1 |       der:1235:19)
2024-04-09 12:20:31 web-1 |     at require (node:internal/modules/helpers:176:18
2024-04-09 12:20:31 web-1 |   )
2024-04-09 12:20:31 web-1 |     at Object.<anonymous> (/home/node/app/src/index.
2024-04-09 12:20:31 web-1 |       js:11:16)
2024-04-09 12:20:31 web-1 |     at Module._compile (node:internal/modules/cjs/lo
2024-04-09 12:20:31 web-1 |       ader:1376:14)
2024-04-09 12:20:31 web-1 |     at Module._extensions..js (node:internal/modules
2024-04-09 12:20:31 web-1 |       /cjs/loader:1435:10)
2024-04-09 12:20:31 web-1 |     at Module.load (node:internal/modules/cjs/loader
2024-04-09 12:20:31 web-1 |       :1207:32)
2024-04-09 12:20:31 web-1 |     at Module._load (node:internal/modules/cjs/loade
2024-04-09 12:20:31 web-1 |       r:1023:12)
2024-04-09 12:20:31 web-1 |     at Function.executeUserEntryPoint [as runMain] (
2024-04-09 12:20:31 web-1 |       node:internal/modules/run_main:135:12) {
2024-04-09 12:20:31 web-1 |       code: 'MODULE_NOT_FOUND',
2024-04-09 12:20:31 web-1 |       requireStack: [ '/home/node/app/src/index.js' ]
2024-04-09 12:20:31 web-1 |     }
2024-04-09 12:20:31 web-1 |   }
2024-04-09 12:20:31 web-1 | Node.js v20.11.0
2024-04-09 12:20:31 web-1 | [nodemon] app crashed - waiting for file changes bef
ore starting...
```

# Future Scope/Enhancements

- Expand to more schools than just CU
- Add rate my professors functionality in addition to course ratings
  - User can rate professors and courses at the same time
- Allow users to reply to reviews to address misconceptions in the original review or to help inform users if the complaints in the review have been addressed.
- Add admin level users to help with managing
- Optimize SQL to mitigate latency as database grows

DEMO~



Q&A