

Presented by The Buff Buffs

IREPQUEST

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Description of the Project (Elevator Pitch)

- Most beginners quit in under 6 months
 - It's confusing
 - Unstructured
 - Slow rewards
- Catered towards beginners
- Gamify Lifting
- Removes the burden and adds fun

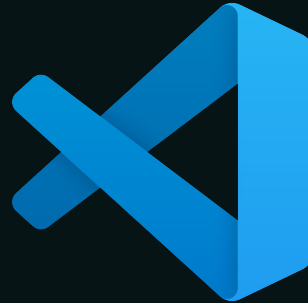
Tools Used

GitHub ★★★★★



- Allows us to host our changes in code, work as a team, and view previous versions

VS Code ★★★★★



- Allows us to write code in our files and connect them

Tools Used

Handlebars ★★★★★



- Keeps our HTML and Javascript separate but organized
- Makes it easy to create dynamic, reusable, and safe HTML using data

Node JS ★★★★★



- Runs our backend server
- Processes API requests for saving progress and updating user data
- Connects the frontend to PostgreSQL and sends/receives data

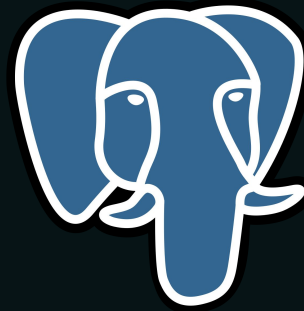
Tools Used

Render ★★★★★



- Hosts our application
- Allows anyone to access RepQuest on any device from anywhere

PostgreSQL ★★★★★



- Hosts our database
- Tables: users ← workouts ← achievements
- Used trigger to get achievements

Tools Used

Mocha ★★★★★



- Test runner (runs and organizes tests)
- Allows to define test cases
- Supports async testing
- Unit testing and TDD

Chai ★★★★★



- Assertion library
- Testing code to work as expected
- Compares results

Tools Used

ExpressJS ★★★★★



- Define routes for the main pages
- Handle middleware
- Session management/auth
- Json data

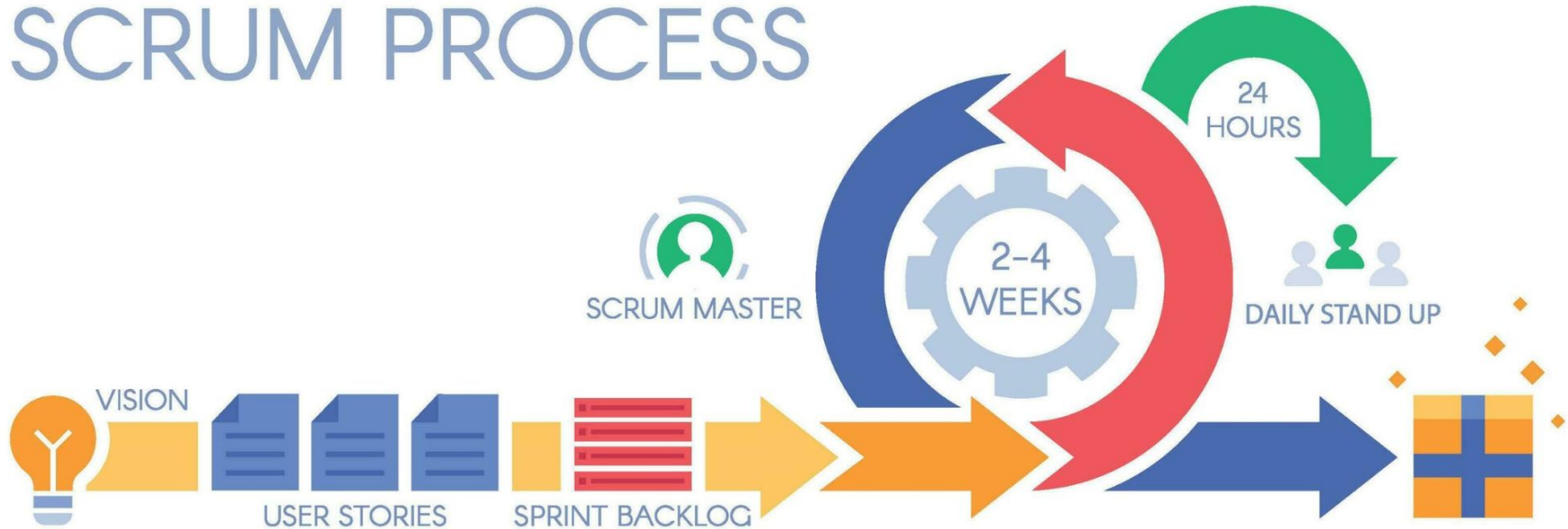
GitHub Projects ★



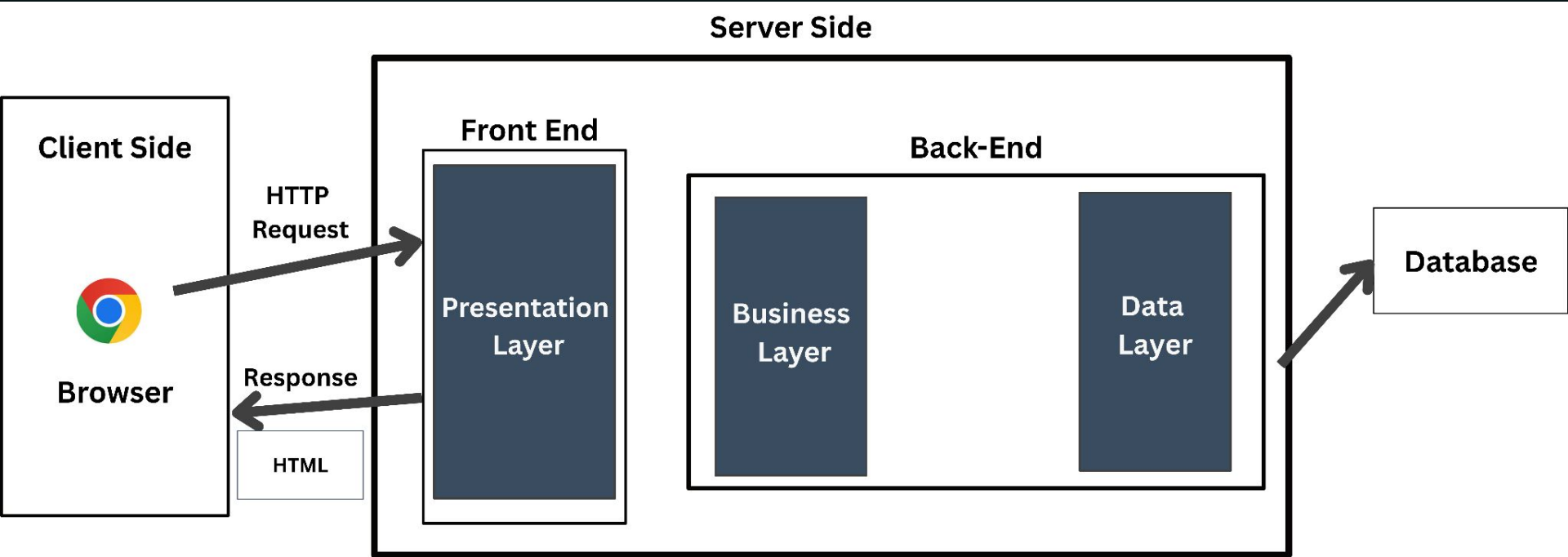
- Tracking our progress and assigning tasks
- Dislike because it felt like overkill sometimes, and yet we still had planning issues

Methodologies (Agile)

SCRUM PROCESS



Architecture Diagram



Challenges

Problem	Solution
Planning dependence	Setting earlier due dates for necessary work
Encountering and tracking bugs	Discord thread
Database not saving progress and trouble linking to pages	Fixing minor mistakes in SQL and making sure we use the right docker commands
Render not implementing our changes as it did on docker	Changes in index.js in addition to SQL

Future Scope/Enhancements

- More potential workout splits
- Improvements on the workout log modal
- Ability to choose workouts
- More compatibility with mobile devices (app version)

Demo

<https://group-project-buffbuffs-repquest.onrender.com>

Ask Us Questions!

BuffBuffs

