

# Twutter

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Lamp



# Description

## Vision Statement:

For students, who seek precise help at the best possible time. Twuttur is a service that aids in precisely pairing students with tutors, finding the best possible match, while organizing tutoring times for tutors.



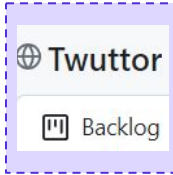
# Description

## Key Points of Twuttur:

- Users can register either as a student or a tutor
- Tutors enter information to help students find them.
- Students can then select tutors that are most suitable for them
- Following that Students can then rate their tutors to help other students.
- Tutors can keep their potential students updated through various posts to help students know them better.



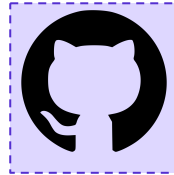
# Tools Used (basics)



## Github Project Backlog

Used as **Project Tracker**  
Rating: 3/5

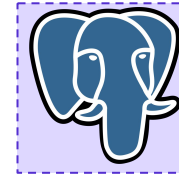
Notes: Helpful in listing all the tasks there were. Became slightly less useful over time as we were all familiar with each other's work/progress.



## Github

Used as **VCS repository**  
Rating: 4.5/5

Notes: Branch structure and Git reverts came in helpful.



## PostgreSQL

Used for **database** storage and querying  
Rating: 5/5

Notes: Basically essential for the project for storage and match purposes for both students and tutors.



# Tools Used (Visual: IDE/UI)



## VSCode

Used as our primary **IDE**  
Used to view merge conflicts  
Rating: 5/5



## Figma

Used for developing the  
**wireframes**  
Rating: 5/5



## HTML

Basic page display  
Rating: 3/5



## Handlebars HBS

Used for dynamic updating  
of pages  
Rating: 4.5/5



# Tools Used (Application/Deployment/Testing)



## NodeJS

Used for our **Application Server** (implementing logic)  
Rating: 4/5



## Localhost

Used as our **deployment environment**  
Rating: 4/5



## Chai

Used for our test cases  
Rating: 4/5



## Docker

Container for our project  
Rating 4.5/5



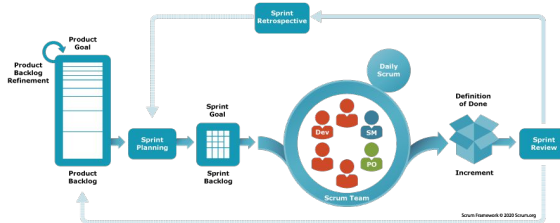
# Project Management/Methodologies

## AGILE SCRUM Practices

Useful in keeping up to date with everyone's progress.

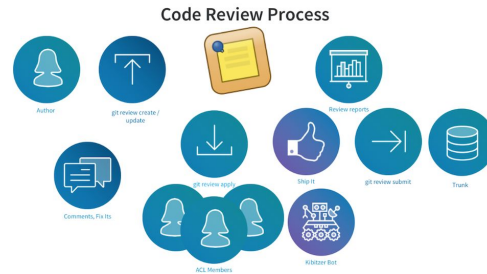
Brief conversations at the end of several weekdays.

Sprint meeting on Sundays



## Peer Code Reviewing

Useful with merge conflicts and making sure everything was functional before it got merged to main.

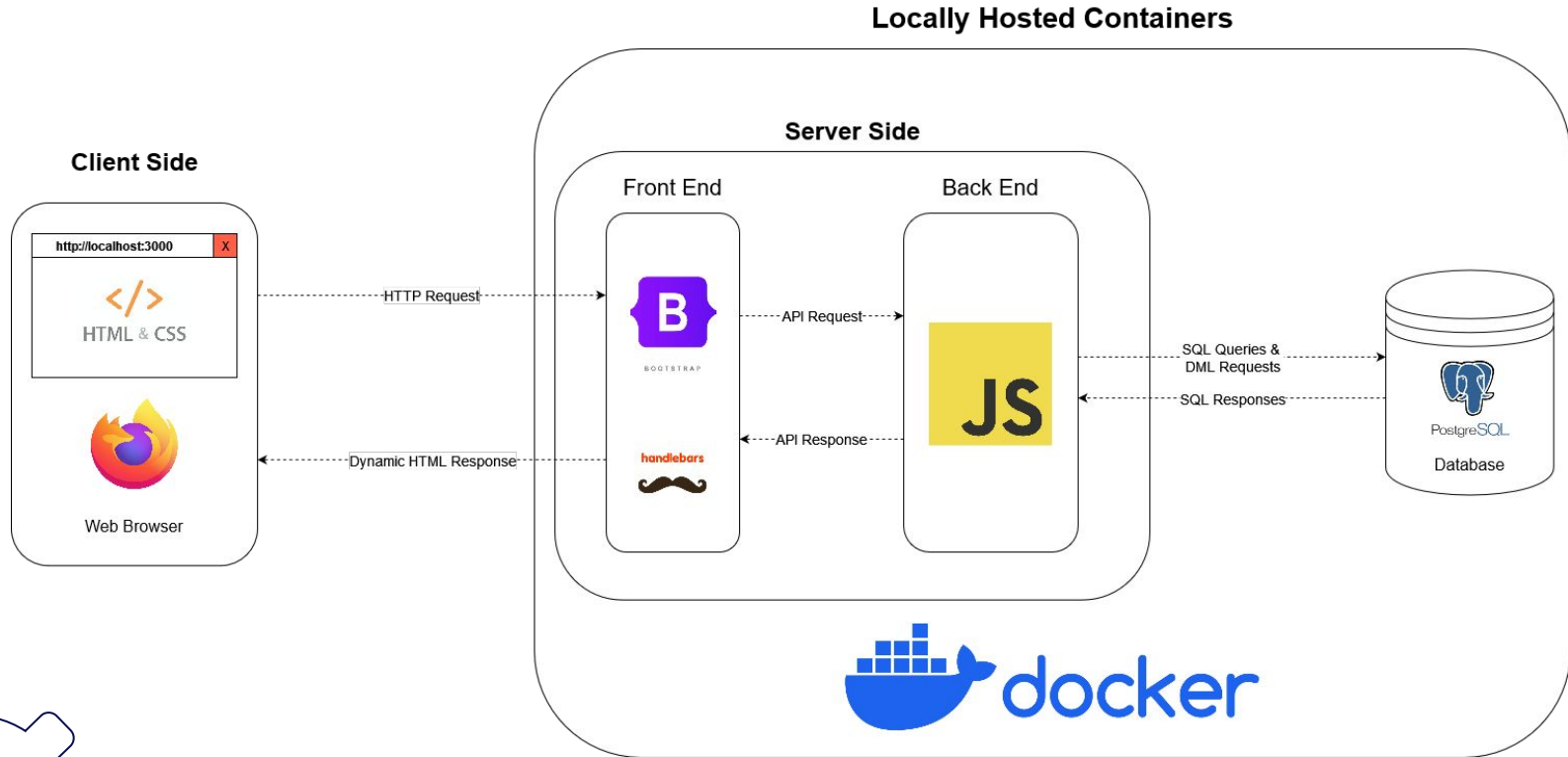


## Pair Programming/ Collaborative Problem Solving

Used for difficult implementations and troubling bugs.

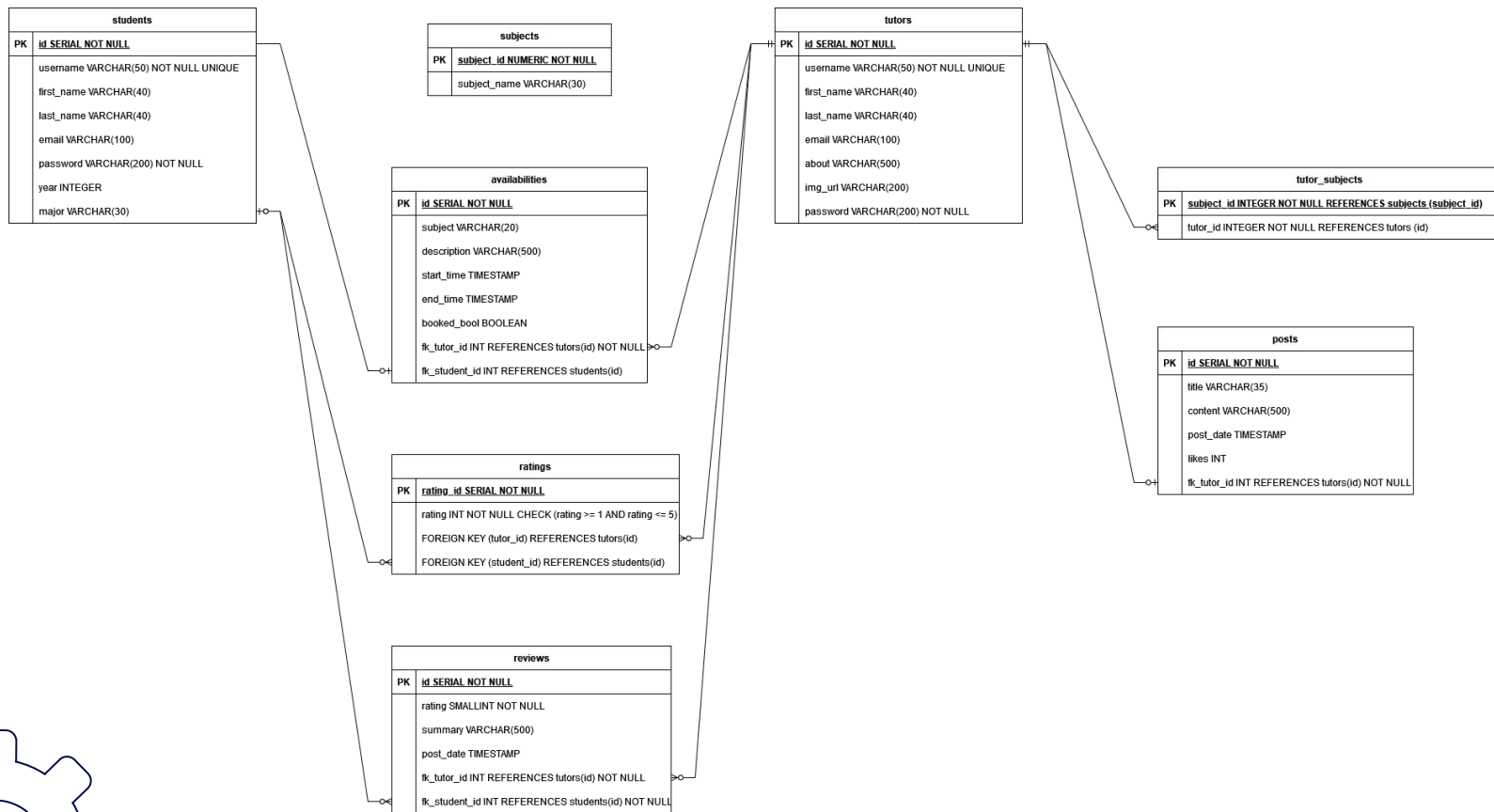


# Architecture Diagram - Overview

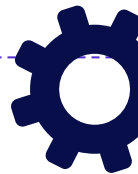




# Architecture Diagram - Detailed



# Challenges



**01**

**Implementing  
Dynamic Calendar**

**02**

**Architecting DB  
from Scratch**

**03**

**Git Version Control**

**04**

**User Auth/  
Differentiation**

**05**

**Handlebars Logic  
Handling**

**06**

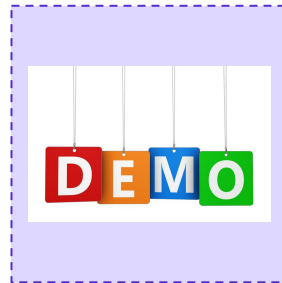
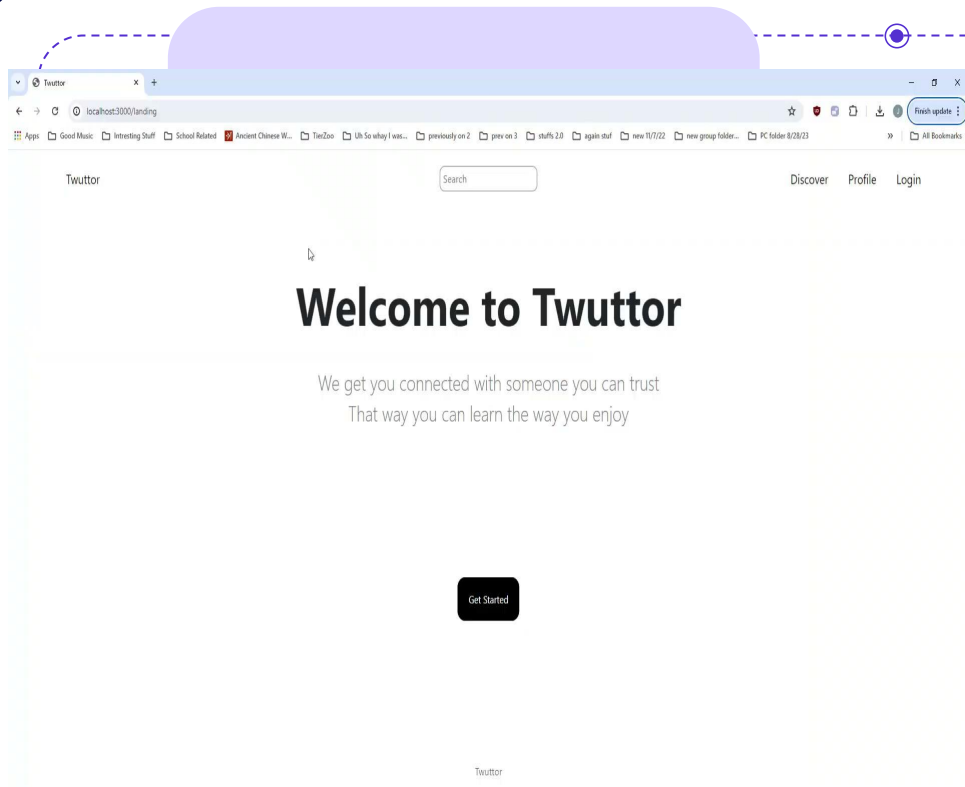
**CSS Formatting**



# Future Scope/Enhancements

- More robust calendar
  - Edge guards
  - Better interface
  - Exclusive calendar to each student / tutor
- Create posts
  - Allow Students to review their experience with a tutor
  - Display most popular posts on Discover Page to give more exposure to tutors with good information.
- External APIs???
  - Google Calendar
  - Email notifications





# Demonstration





**Questions?**

