Project Milestone 4

Individual Contributions

Grace Horton : Registration profile-selection Function, Team meetings, Jira page management, File System construction, Features list, Architecture Diagram

Mark Davis: Profile pages uniformity, Code/File cleanup, Team meetings, Meeting logs, Front-end screenshots

Sean Fitze : Team meetings, Database construction and design

Ethan Bauer : Team meetings, minor changes to user profile

Challenges/Risks

It took us longer to get the database started than we thought but we're quickly catching up

Misunderstandings about File systems slowed things down a bit. Office hours helped us resolve the issue

Currently our validation is done only client side which is not very secure, we will be needing to implement these checks and get our Node.js up.

Revised List of Features (*Listed by priority*)

1. Password/username login system

Provides the user with an encrypted password for privacy

This feature provides an easy-to-use system that allows the user to keep their information safe and secure, along with a secure method to retrieve a lost password.

2. Registration Page

Provides the user with a profile creation system

This feature allows users to easily create their own profile with the help of a tutorial.

3. Personal Information/Profile

Provides the user with a profile for security, storage, and easy identification

User profiles are stored in the same database as the documents. They are searchable, secure, and easy to use.

4. Accessible Database with Personal Repository

Provides the user with a database which they can use to store and retrieve documents

This feature uses PostgreSQL and Node.js to maintain a File System and Database that allows users to both share documents and store them locally on their host PC.

5. Search bar with Filter
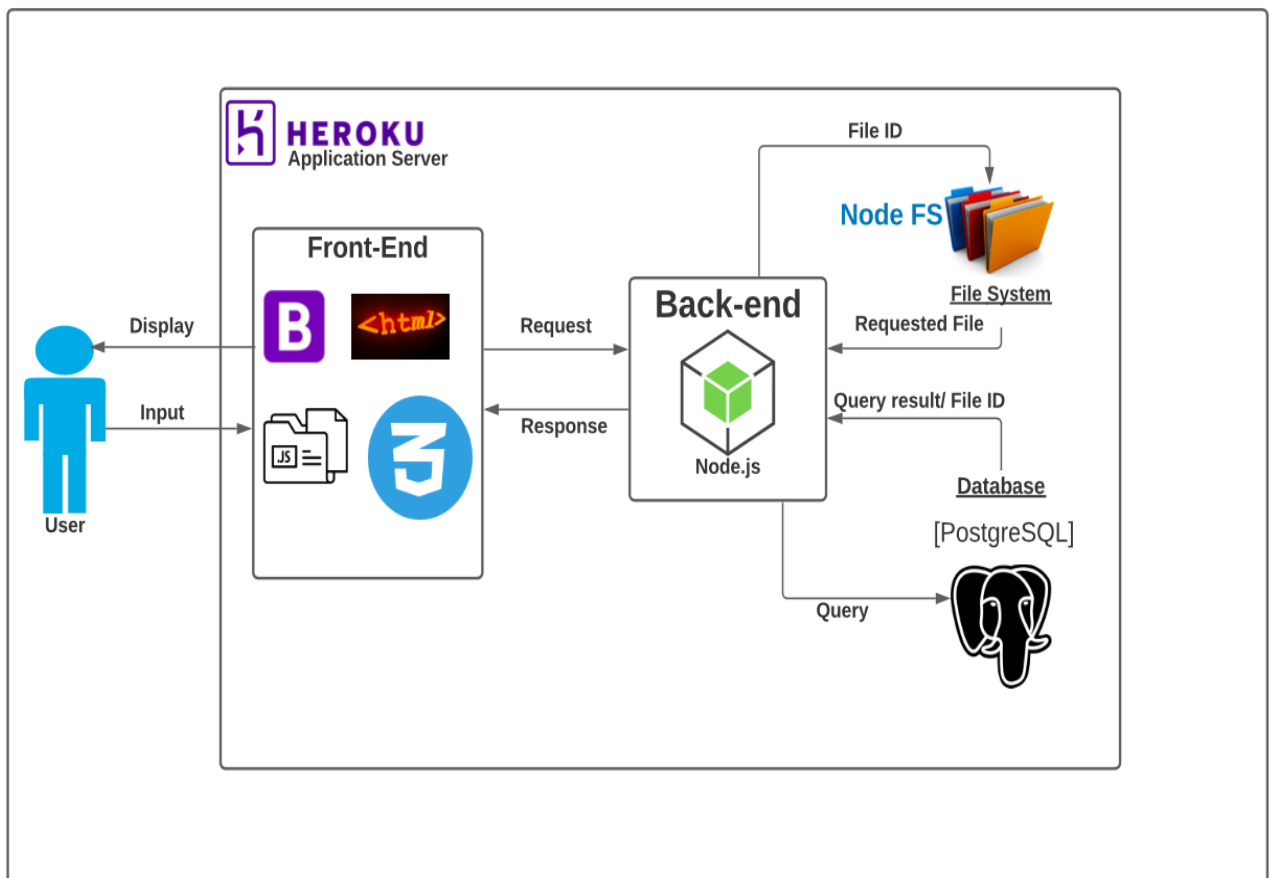
Provides a filterable search bar

This feature allows the user to search for other users depending on their preference, and also for documents. The user can filter their search for convenience.
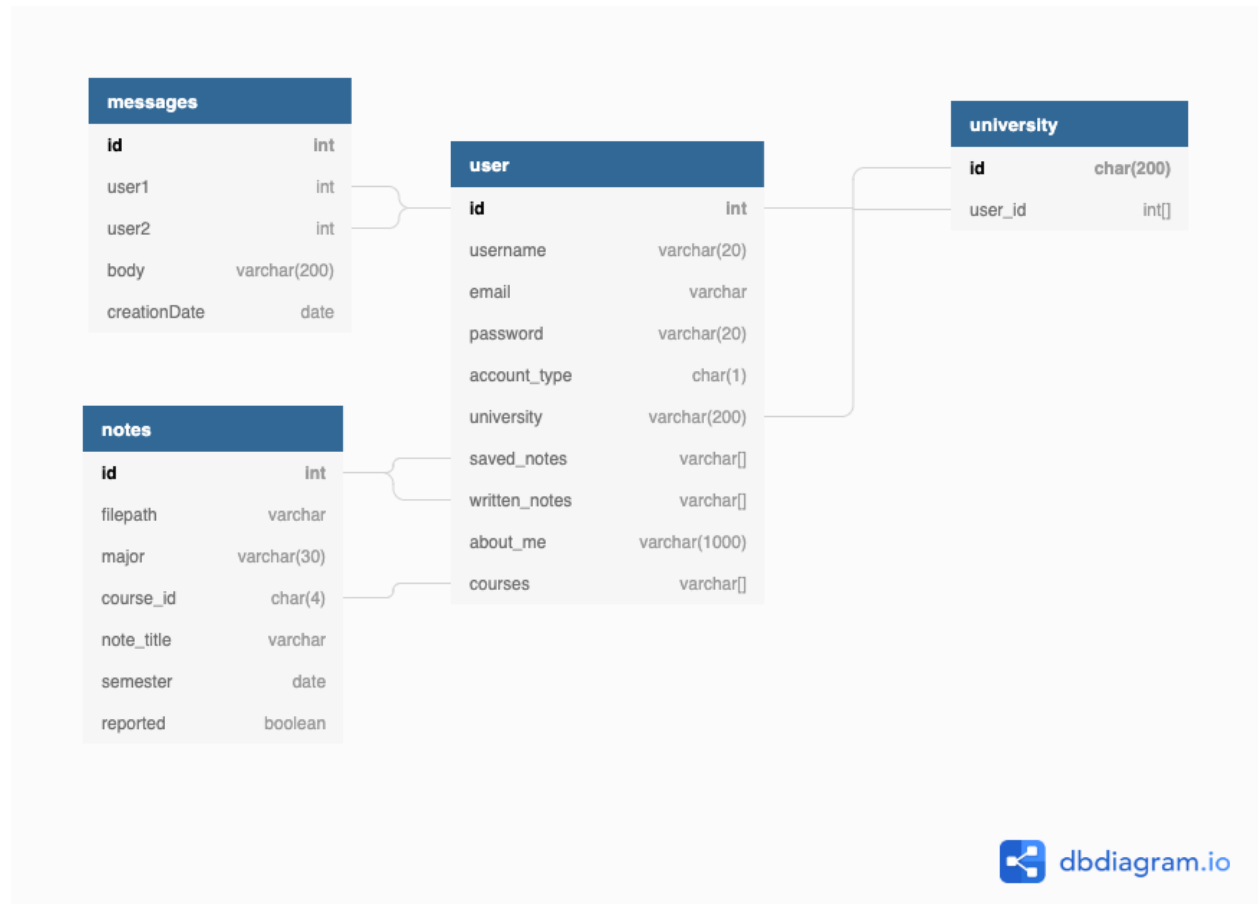
6. Website UI

Provides the user with an interface for easy visual navigation

Our application provides a homepage via Javascript/CSS/HTML/Bootstrap that allows users to easily identify their profile and search for note takers, clients, and resources with easily identifiable icons.

Architecture Diagram

Database Design (PostgreSql)

messages

id	int
user1	int
user2	int
body	varchar(200)
creationDate	date

notes

id	int
filepath	varchar
major	varchar(30)
course_id	char(4)
note_title	varchar
semester	date
reported	boolean

user

id	int
username	varchar(20)
email	varchar
password	varchar(20)
account_type	char(1)
university	varchar(200)
saved_notes	varchar[]
written_notes	varchar[]
about_me	varchar(1000)
courses	varchar[]

university

id	char(200)
user_id	int[]

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Front-End Diagram