

Water Hydration Tracker: AquaSync

TEAM DATA WIZARDS

- Yaswanth Naga Babu Kommineni
- Likhithasree Kommineni
- Srinija Reddy Kotla



Team Introduction

- Yaswanth Naga Babu Kommineni: Frontend Development, Project Lifecycle Management
- Likhithasree Kommineni: Backend Development, Git Management
- Srinija Reddy Kotla: System Design, Documentation

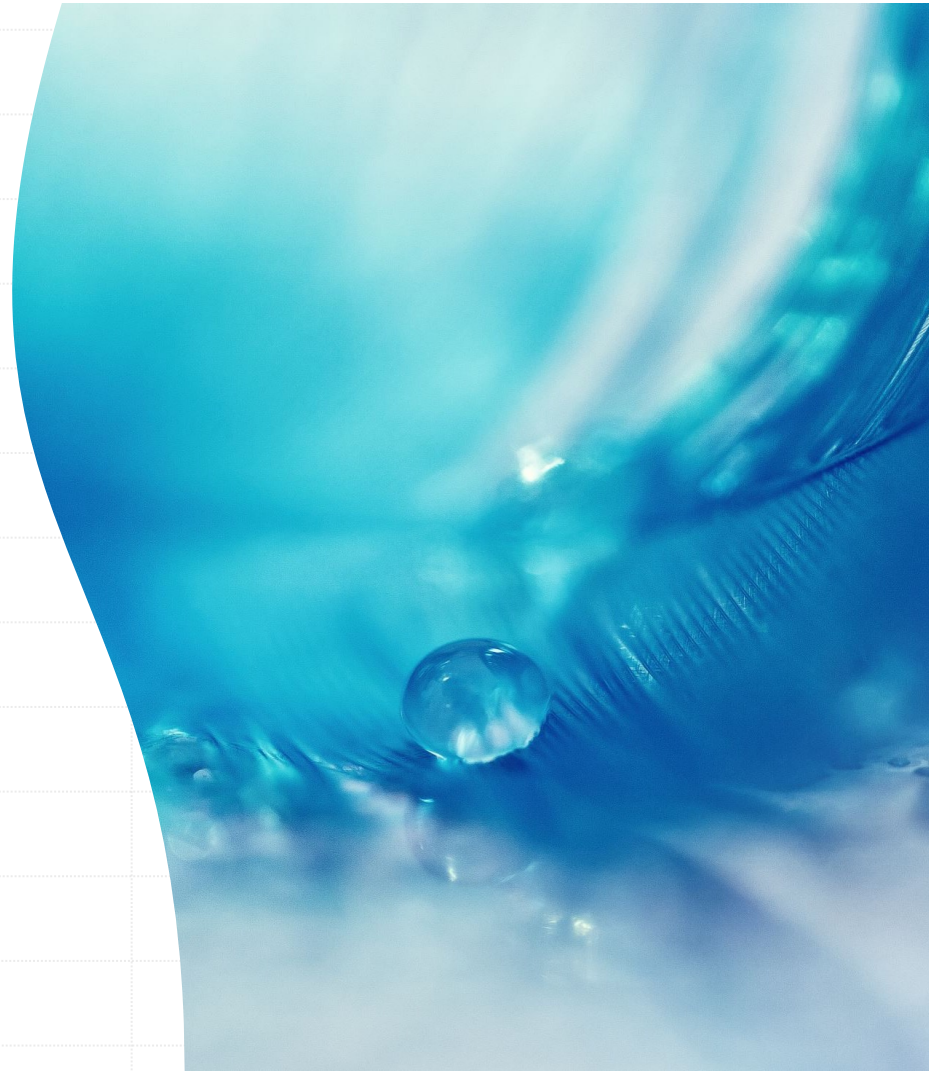
Project Overview

Hydration Reminder Web Application

A modern Web app to motivate users to stay hydrated.

Main Features:

- Customizable water intake goals
- Logging water Intake
- Email notifications for reminders
- Data analytics for personalized hydration recommendations





Project Timeline

- **Initial goals vs. actual timeline**

At the start we thought documentation would take less time, but by the end of the project. We realized it was just as important and time-consuming as development. We initially planned to spend more time on testing but managed to complete it in just a couple of days by testing as a team.

- **Challenges encountered**

We found it challenging to manage documentation, coding and testing all at the same time.

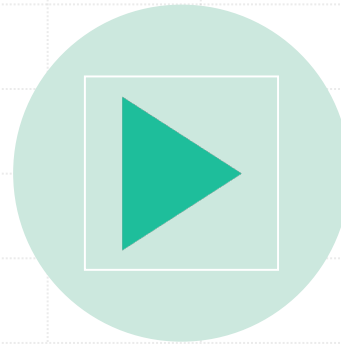
- **Adjustments made**

We planned to create visualizations to track goals by months and weeks but due to time constraints we couldn't implement that feature.

Demonstration

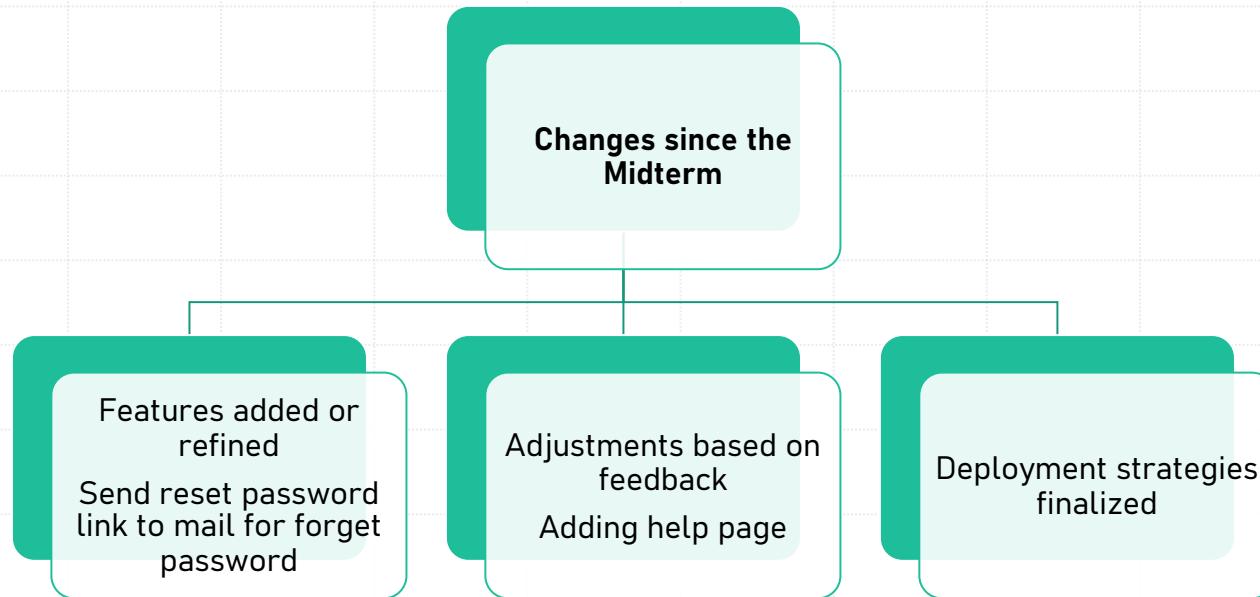


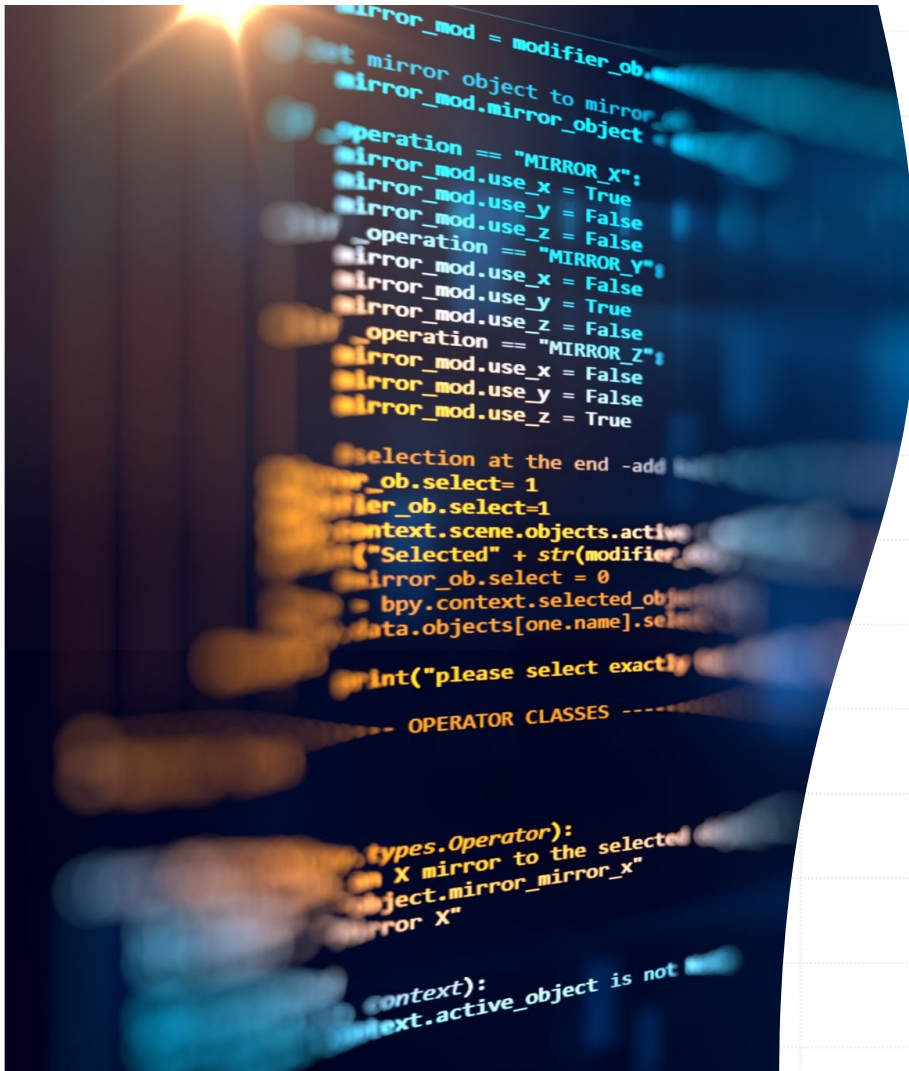
**NOW, WE WILL DEMONSTRATE
THE PROJECT LIVE.**



“LIVE DEMO”

Midterm vs. Final





Deployment Instructions

- **How to Install/Deploy:**
- **Code Repository:** GitHub URL
- **Tools Used:**
 - Frontend:
 - HTML, CSS, JavaScript
 - Backend:
 - **Web application development** (Flask)
 - **Database operations** (pymongo, bson)
 - **Security** (werkzeug.security, secrets)
 - **Email sending** (smtplib, email.mime)
 - **Scheduling tasks** (schedule, time, threading)
 - **Date and time manipulation** (datetime)
 - **Operating system interactions** (os)
- **Steps:**
 - Clone the repository: git clone <https://github.com/likhitha333/GVSU-CIS641-Data-Wizards>
 - Install dependencies: pip install -r requirements.txt
 - Run the backend server: python app.py
 - Open the frontend in a browser: [Login](#)



Conclusion



Key Takeaways:



Successfully developed a
hydration tracking Web
Application



Improved skills in backend
development and java
script



Ready for user feedback
and future enhancements

Thank You 😊