

GatorGoalMate

Team Name: Ctrl + Alt + Elite

Group: 7

Team Members:

Lauren Dulick

Sophia Dadla

Simar Khetpal

Roshan Ahmed



Introduction - Team Member Roles and Responsibilities

- Lauren Dulick - Project Manager
 - Backend / Express
 - Integrating the Frontend and the Backend
- Sophia Dadla - UX Designer
 - Frontend
 - JavaScript
 - UX research
- Simar Khetpal - Scrum Master
 - Frontend / React
 - HTML
- Roshan Ahmed - Quality Assurance Engineer
 - Backend / MongoDB
 - Node.JS

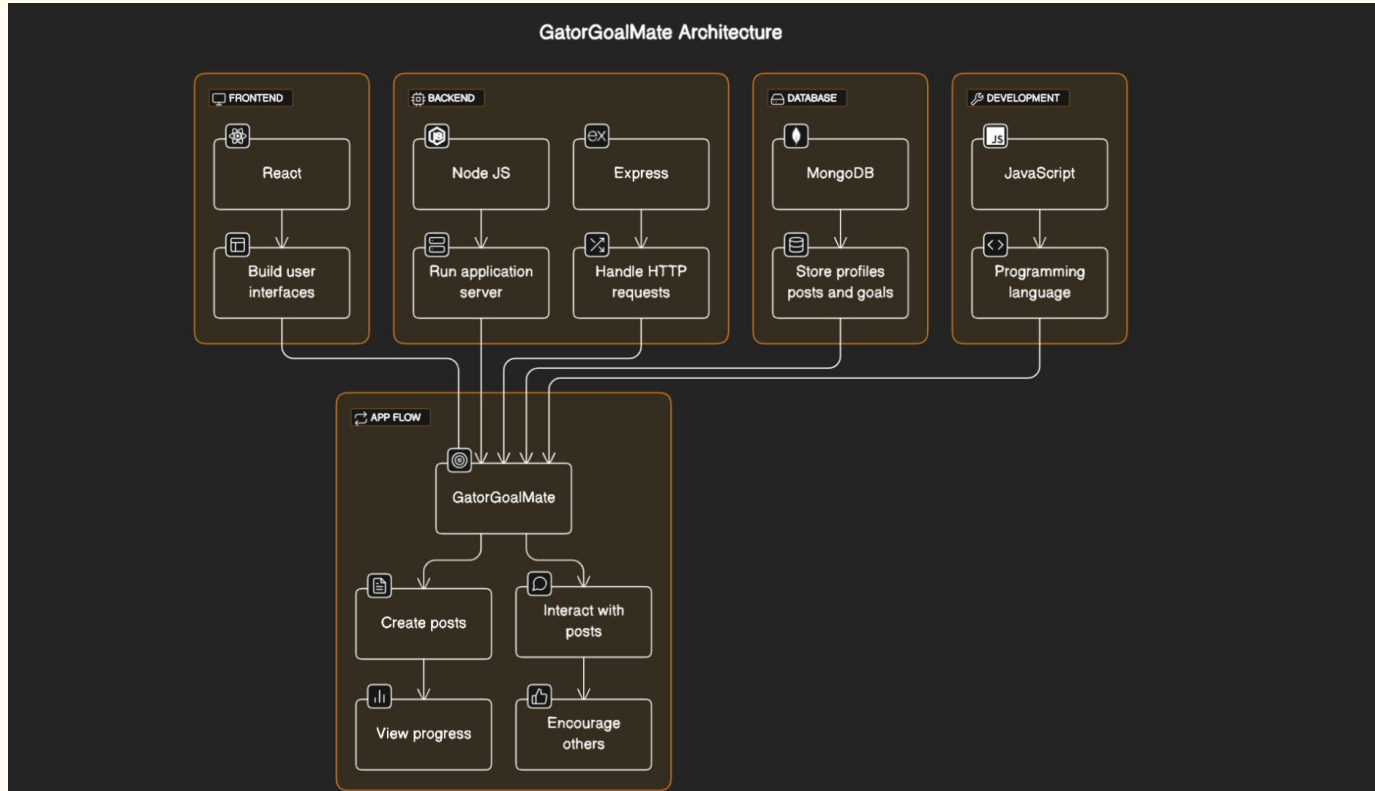


Repository: <https://github.com/lmdulick/GatorGoalMate>

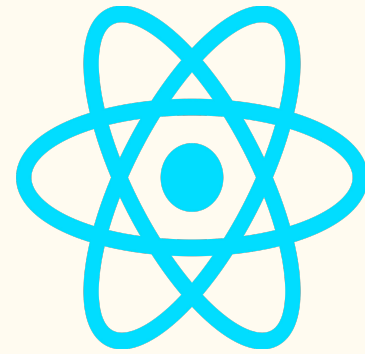
Project Idea

- Problem Statement: Many UF students struggle to stay accountable and motivated in achieving their academic, personal, and fitness goals each semester. Without a supportive community and effective tools to track progress, students often find themselves falling short of their aspirations.
- Proposed Solution: *GatorGoalMate*, a social media website designed specifically for UF students to tackle these challenges head-on, provides a platform where students can set, track, and achieve their goals while fostering rich community involvement that uplifts and motivates peers to reach their full potential.
- Stakeholders: UF Students
- Unique Approach:
 1. Tailored to UF Students
 2. Accountability through Social Engagement
 3. Tangible Evidence to Track Progress
 4. Dopamine-Rich Social Media Atmosphere

Architectural Design



Languages / Frameworks / Libraries / Tools



- Programming Languages
 - JavaScript
 - HTML
 - CSS
- Technologies/Frameworks
 - Frontend: React
 - Backend: Express
 - Backend: MongoDB
 - Node.JS
- Tools
 - Version Control System: GitHub
 - Git: push & pull



Risk Management

- Risk Identification: Identifies potential risks including Technology, People, Organizational, Tools, Requirements, and Estimation risks.
- Risk Assessment Process:
 - Conduct group meetings to identify and discuss risks.
 - Evaluate the probability and severity of each risk.
 - Consider both positive and negative effects of proceeding with risks.
- Contingency Planning:
 - Creation of specific plans for each identified risk based on its projected effects.
 - Strategies developed to avoid or minimize future risks.
- Strategy Implementation:
 - Continuous monitoring and adjustment of strategies as project progresses.
 - Commitment to proactive risk management to ensure project success.



User Stories Overview

- Account Creation and Login (Critical)
 - User Story: As a UF student, I want to create an account using a username and password to securely access GatorGoalMate.
 - Objective: Enable secure access for students to set and track personal goals.
 - Assignee: Simar | Sprint: 1 | Story Points: 5
- Goal Setting (High Priority)
 - User Story: As a UF student, I want to personalize my profile with academic, personal, and fitness goals to share my journey.
 - Objective: Facilitate personalization and goal tracking to motivate and engage students.
 - Assignee: Sophia | Sprint: 1 | Story Points: 8
- Interaction and Engagement (High Priority)
 - User Story: As a UF student, I want to interact with posts by liking, commenting, and sharing to engage with my community.
 - Objective: Enhance community engagement and support among students.
 - Assignee: Roshan | Sprint: 1 | Story Points: 5
- Goal Progress Tracking and Visualization (High Priority)
 - User Story: As a UF student, I want to post updates on my goals with visual progress indicators to see and share my achievements.
 - Objective: Enable students to visually track and share progress towards their goals.
 - Assignee: Lauren | Sprint: 1 | Story Points: 8

Story Map

INITIATIVE	Account Management		Goal Management		Social Interaction Management		Project Management (TEAM)	
EPICS	Account Creation and Authentication	Custom Profile	Goal Creation	Goal Tracking	Interact With Posts	Notifications System	Risk Management	Quality Assurance
STORIES	Create an account using a username and password	Edit personal goal, community, and display settings.	Personalize academic, personal, and fitness goals.	Post updates on goals with visual progress	Users can interact with their friends and followers posts	Users can be notified when their friends post or have been interacted with	Ensure all vulnerabilities reviewed	Ensure all ideas and actions align with goals
FEATURES	Login form with security features	Settings Menu	"New Post" button on home page	"Edit Post" option on each post	Options to like, comment, or follow implemented	Toggle option to turn notifications on/off	Constant and consistent ethical review of all features implemented	Paste project goals and motivation in an "About Us" page

Product Backlog

Account Creation and Login

- Implement account registration backend with username and password. - Estimation: 3
- Design and implement frontend login and account creation forms. - Estimation: 2
- Set up a secure password storage and authentication system. - Estimation: 3
- Implement session management and secure access controls. - Estimation: 2

Goal Setting

- Develop user profile customization features for goal setting. - Estimation: 4
- Implement database support for storing and updating goals. - Estimation: 3
- Create UI for goal milestones and achievements update. - Estimation: 4

Interaction and Engagement

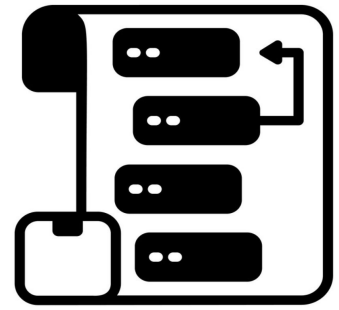
- Develop features for liking, commenting, and sharing posts. - Estimation: 3
- Implement real-time notification system for post interactions. - Estimation: 4
- Create an engagement analytics dashboard for users. - Estimation: 3

Risk Management for Project

- Develop a risk management tool for identifying and categorizing risks. - Estimation: 2
- Implement functionality for creating and managing contingency plans. - Estimation: 3

Goal Progress Tracking and Visualization

- Implement goal progress update functionality with visual indicators. - Estimation: 4
- Design and implement a user-friendly progress visualization interface. - Estimation: 3
- Develop reminder feature for goal tracking and deadlines. - Estimation: 3



Product Backlog

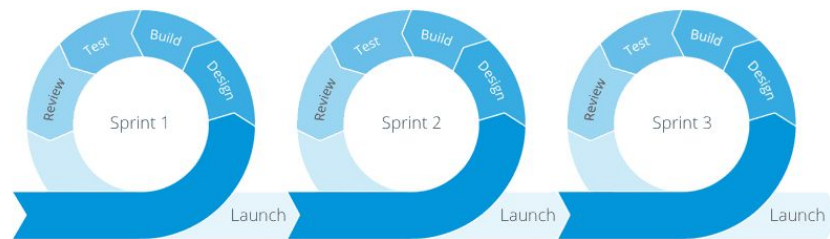
Sprint 1 Backlog

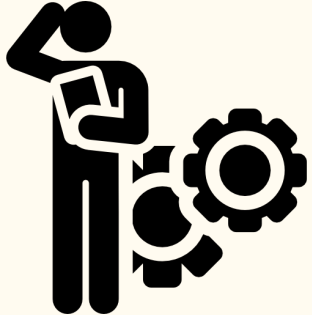
Velocity = 9.2

Capacity = 130

Account Creation and Login

- Task 1.1: Implement account registration backend with username and password.
 - Estimate: 3
 - Responsible: Simar
- Task 1.2: Design and implement frontend login and account creation forms.
 - Estimate: 2
 - Responsible: Sophia
- Task 1.3: Set up a secure password storage and authentication system.
 - Estimate: 3
 - Responsible: Roshan
- Task 1.4: Implement session management and secure access controls.
 - Estimate: 2
 - Responsible: Lauren





Issues and Next Steps Slide

ISSUES

- Becoming comfortable with the tools used
- Team members will gain more in-depth knowledge of the tools being used (React, node.js, MongoDB, etc.)
- Improve back-end development skills
- Review certain security protocols and ensure that we implement the proper measures needed

NEXT STEPS:

- Design wireframes for the user interface
- Build React components for the interface, like navigation bars, profiles, etc.
- Implement tests for the components built
- Implement user authentication and authorization

Closing Slide

Thank you for listening!

Please reach out with any future questions.