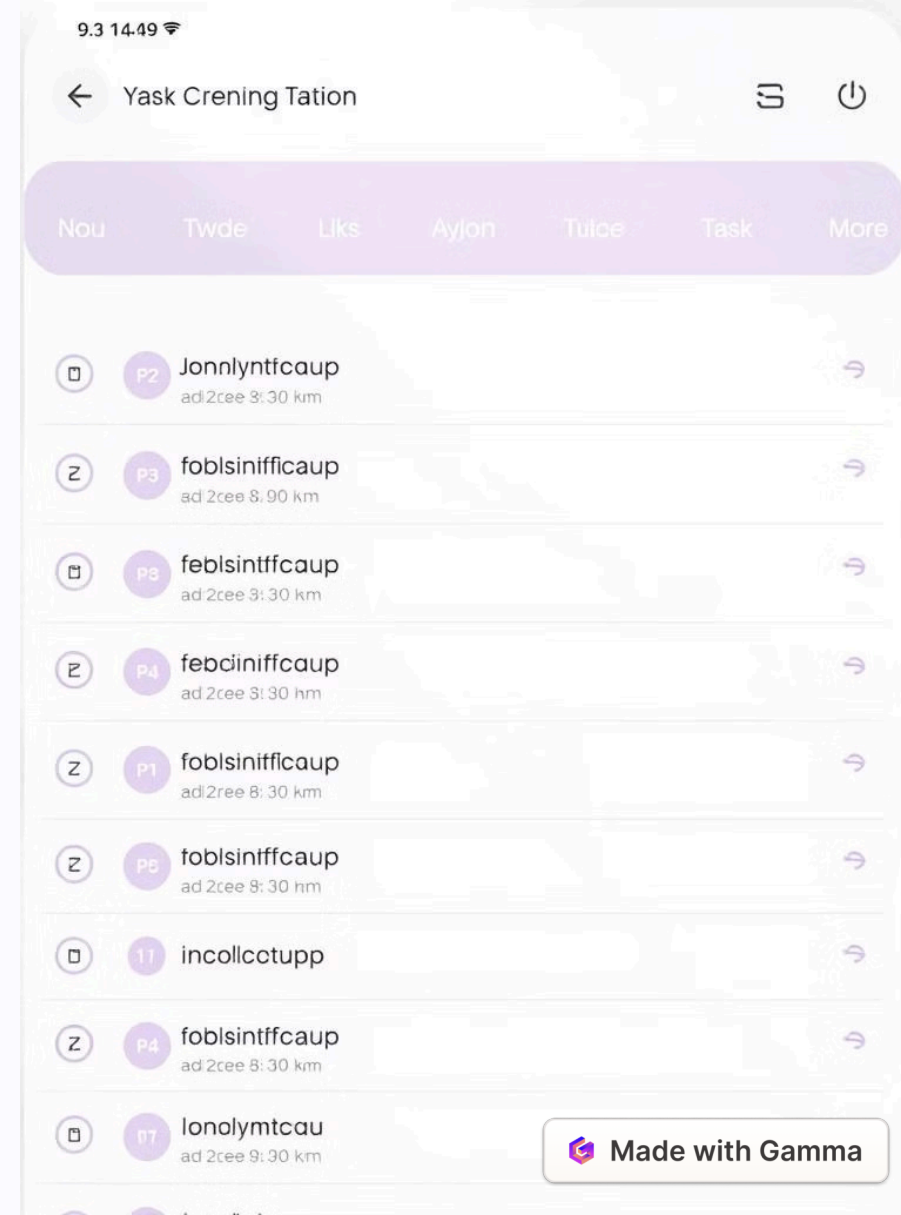# Task Management Application
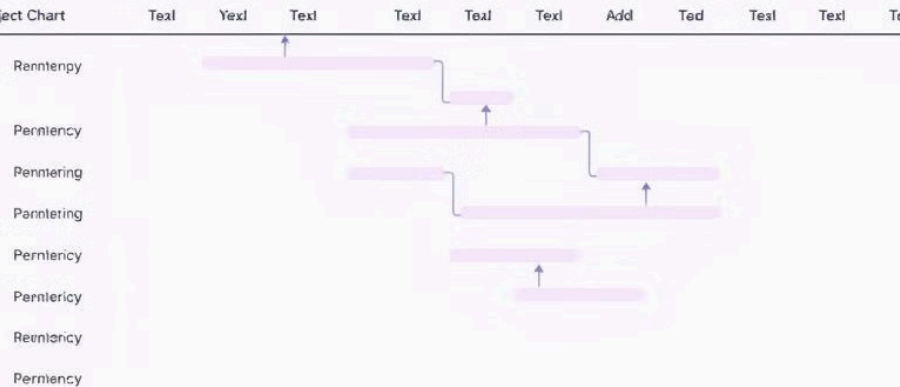
- **This project will develop a Task Management System. Users can Create, Update and Delete Tasks. It will include task categorization, priority levels, and due dates.**

- **The frontend will use React with Redux. The backend will use Node.js/Express with MongoDB.**

# Project Team Members:

- **Mahmoud Mohamed Ibrahim**

- **Abdelrahman Sheriff**

- **Mohamed Reda**

- **Mostafa Mahmoud Mohamed**

# Project Plan



**1** — Planning

Days 1-3

**2** — Frontend/Backend Setup

Days 4-12

**3** — API Integration

Days 16-20

**4** — Deployment

Days 36-38

# Task Assignment & Roles

## Frontend Developer

Abdelrahman Mohamed: Develop React components and design UI.

## Backend Developer

Mahmoud Mohamed: Build Node.js/Express API and integrate MongoDB.

## QA Tester

The Team: Test the application for bugs and usability.

# Risk Assessment & Mitigation

### Frontend Delays

Assign resources or extend hours to meet deadlines.

### API Issues

Thorough testing and mock APIs for initial testing.

### Database Issues

Optimize queries and use indexing for faster retrieval.

# Key Performance Indicators

## 500
### Response Time
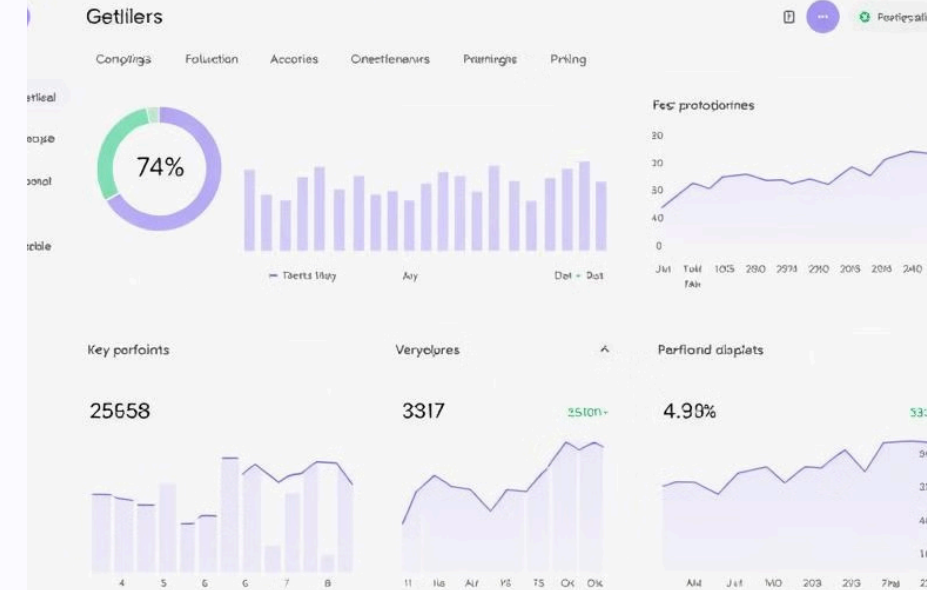API response time under 500ms.

## 99.9
### System Uptime
Application uptime post-deployment.

## 80
### User Adoption
Target user adoption within the first month.

# Technologies to Use

## Frontend

React, Redux, HTML, CSS, JavaScript.

## Backend

Node.js, Express.

## Database

MongoDB.