MG-Monkeys Team Project

Team Name & Members

MG-Monkeys

Team Members:

- **Team Lead** - Nate Brewer
- **Frontend Developer** - Jack Dixon
- **Backend Developer** - Danny Poff
- **Database Engineer** - Philip Bierley

Problem Domain

Web-Based To-Do List Application

Problem Statement:
Users struggle to effectively manage and organize their daily tasks in an entertaining way. There is a need for a simple, intuitive, and accessible solution that allows users to:

- Create and manage tasks efficiently
- Organize tasks by categories or priority
- Access their tasks from anywhere
- Collaborate with team members

Features & Requirements

Key Features (8 Total)

1. **To-Do Tags** - Categorize To-Do's
    - DB tag collection
    - Searching/filter for tag's
    - link between tag and post in the DB
    - Tag-validation
2. **Front-End User Customization** - Make your list your own
    - Change fonts/font colors
    - Add primary, secondary, trutiary colors
    - Look for text editor packages to add

Features & Requirements (Cont.)

3. **AI-Genertated Tags** - Utilize External GenAI to create tags automatically for posts
    - External genAI api to create tags
    - Tag validation (Non-expletive)
4. **Browser Notifications** - Reminder!
    - Determine user browser of choice
    - Hit the specific browsers API to send notifs
    - User-set notification time

Features & Requirements (Cont.)

5. **Chatbot with Mascot** - Monkey-See, Monkey-Do
   - GenAI API for the chatbot.
   - Interact with to-dos (Celebrations/negative reactions to completion status)
   - Create per-page popup that the user can interact with
   - Interface with the to-do's to create reactions.
6. **Recurring To-Dos** - Schedule repeating tasks
   - Create Weekly/Monthly reminders
7. **Email-SMS Notifications** - Know at a glance
   - utilize external package Email service to send user reminders
   - (if using sms - find an pacakge for that)

Features & Requirements (Cont.)

1. **Group to-do list** - Team projects
    - Non-authed p2p invitiation
    - Database collection of the group
    - Accept/Decline invitation page/popup
    - Group Page (re-skin of individual page)
    - Group to-do assignment: 2 approaches
        - Who ever created the page will assign to-dos and create them
        - Non-hierarchical approach, users will create to-dos and have a "liking" system that will similar to assignment

Features & Requirements (Fin)

Total Features 8

Total Requirements 26

Development Roadmap

Sprint 1 Deliverables

1. Adding **tags** to the to-do list items
2. Front-End **user customization**
3. Using **AI** to automatically **generate tags**
4. Adding **notifications** to the browser
5. (Start) Create a **mascot** that also acts like a **chatbot** (Monkey-see Monkey-do)

Development Roadmap (Cont.)

Sprint 2 Deliverables

6. (Start) **Group to-do list** for team projects
7. **Recurring to-dos**
8. (Finish) Create a **mascot** that also acts like a **chatbot** (Monkey-see Monkey-do)
9. (Finish) **Group to-do list** for team projects
10. **Email notifications** (SMS - Maybe)

Team-Rules

1. **Communication** is key
2. **Leader will update team page weekly**, while team members will update their **individual progress page weekly**.
3. Weekly meetings - in-person **Tuesdays** at **1pm**. - **Discord** will be the **backup** and **primary online communication** pipeline.
4. **Team members** will use **their own branch** to complete their work. When **feature is completed, create a pull-request**, and the **leader will test and review** it.

Questions?

Thank you for your attention!

Project Repository: GitHub Link