Team Contract

Team Name

MemoManiacs
App Name: MemoSphere

Team Members

Joey Gawler, joepgawler@gmail.com
Zach Marino, zachmarino234@gmail.com
Alexzander Sansiveri, sasha.sansiveri@gmail.com
Katelin Tharp, katelin.c.tharp@gmail.com
Andrew Zhang, andrew.s.zhang@gmail.com

Designated Roles

Project Manager: Katelin Tharp
- Arrange team meetings, set meeting agendas, take and post meeting notes
- Submit team assignments

Lead Developer: Alexzander Sansiveri
- Set up and maintain code repo
- Oversee code integration and make final decisions on technical architecture

UI/UX Designers: Zach Marino, Andrew Zhang
- Create design illustrations and mockups
- Oversee frontend design and consistency
- Conduct user testing/gather feedback

Quality Assurance: Joey Gawler
- Develop and execute test suite
- Manage issue tracker
- Ensure thorough testing of the application

Communication Methods

Primary Communication Platform: Discord

- https://discord.gg/6qNRZ94G

Document Sharing: Google Drive

- https://drive.google.com/drive/folders/1_fnGDS-9ZIyC_qtvyf6PivYsfwe6axSU?usp=sharing

Code Repository: GitHub

- https://github.com/Sansiveri-Alexzander/hci-project-digital-journal/blob/main/TeamContract.md

Contact Information and Availability

https://www.when2meet.com/?26742744-BtWSG

Name	Email/Phone	Availability
Joey Gawler	**Email:** joepgawler@gmail.com **Phone:** 862-283-8416	Tues 6-8pm Thurs 6-8pm Sat All Day Sun All Day
Zach Marino	**Email:** zachmarino234@gmail.com **Phone:** 847-651-6151	All day monday until 6pm, all day tuesday after 3:30pm wednesday until 6pm, weekends,
Alexzander Sanisveri	**Email:** sasha.sansiveri@gmail.com **Phone:** 203-963-9301	All day: Fri, Sat, Sun Tuesday opens up at times
Katelin Tharp	**Email:** katelin.c.tharp@gmail.com **Phone:** 408-704-0993	MWF 5:30-10pm Tuesday 2-10pm Thursday 5-10pm Sat All Day Sun All Day
Andrew Zhang	**Email:** andrew.s.zhang@gmail.com **Phone:** 484-624-7158	Fri, Sat, Sun all day Tues, Wed 2-10pm Mon, Thurs 5-10pm

Coding

We will code our interface using TypeScript and React for the frontend, Java for the backend, and MySQL for the database. All team members have sufficient programming expertise in these languages and technologies so that if the team is forced to split, they will be able to continue the project using this tech stack. We are going to containerize each tier in docker.

We are selecting this language because:

1. Our team has collective experience with JavaScript/TypeScript and React.
2. MySQL is a widely-used relational database management system that can effectively store users, entries, etc. Our data needs are sufficiently met with a simple relational database system.
3. We're all experienced in Java and it offers strong reliability/libraries for backend development.
4. To run the database, we need to use docker anyways so we are going to extend our docker usage further to make it easier to install dependencies and run our tech stack.

Meeting Logistics

We agree to meet every **Sunday** at **1:00pm**. If team members agree, we will record the meeting. Regardless, we will provide a Zoom or Teams link and make it possible for the teaching team to pop in.

Our team documents will be stored in Google Drive and organized in folders by project phase (e.g., Planning, Design, Development, Testing).

Beyond our weekly meeting above, other good backup times to meet will be:

- Any other time on Sunday after 1pm and before 7pm
- Saturday between 11am-6pm

Desirable Behaviors

As a team, we have discussed what makes a good team member, and we all agree a good team member will have these characteristics/do these things:

- Communicate proactively and respond to messages within 24 hours
- Meet deadlines and inform the team early if there are any obstacles
- Be open to constructive feedback and willing to compromise
- Contribute ideas and solutions during team discussions
- Stay up-to-date with project progress and complete assigned tasks

- Actively participate in code reviews and provide helpful comments

Undesirable Behaviors

As a team, we have discussed what makes it challenging to team up with someone. We have identified these undesirable behaviors that we will avoid:

- Missing meetings without prior notice
- Failing to complete assigned tasks without communication
- Dismissing others' ideas without consideration
- Making major project decisions without consulting the team
- Refusing to adapt or learn new skills necessary for the project
- Engaging in unprofessional conduct or disrespectful communication
- If a team member is MIA for more than 48 hours without a valid reason then we will reach out to a TA to sort out the situation.

Signatures

Joseph Gawler	*Joseph Gawler*	9/28/24
Zachary Marino	*Zachary Marino*	9/28/24
Katelin Tharp	*Katelin Tharp*	9/28/24
Alexzander Sansiveri	*Alexzander Sansiveri*	9/28/24
Andrew Zhang	*Andrew Zhang*	9/28/24

Team Proposal

Problem

Traditional journaling is often limited to text-only solutions, is time-consuming, and often lacks the guidance needed to maximize the benefits of reflection. Many people do not have time to sit down and journal, especially in today's fast-paced world. Day-to-day journaling loses sight of larger goals and dreams that influence user actions and motivations. There is a need for a guided, accessible, and varied journaling platform to support people's well-being.

Target Users

The core goal of our solution is targeting individuals who would benefit from journalistic reflection, especially those who may feel hindered by text-based entries and avoid traditional journaling. Additional target user groups include people who want to gain actionable insights from their previous experiences and related thought and emotional patterns. These users may want to track their emotional well-being over time and would like to incorporate mindfulness practices into their daily routines.

We are considering students, staff members, and recent college graduates who are navigating the transition from academic to professional life. These individuals are often pressed for time and would benefit from a flexible way to manage their stress. Many of our users may be hesitant to seek out mental health support, and existing apps on the market lack a direct pipeline to reflection based on journal entry contents. We would be interested in interviewing students from different majors, years, and graduation status to test our application.

Solution

A mobile-first web application that allows for multi-format input journal entries with the main goal of connecting with past memories and ideating actionable goals to improve their habits one simple step at a time. When a user wants to add a new entry, they can go into Memosphere and press a single button to start recording or writing an entry. On installation, the user will be prompted for their default entry method and can be changed later on. One of the key features of MemoSphere is its user-friendly method for accessing past memories without the need for tedious scrolling and searching. This retrieval process utilizes a chat interface, enabling users to access memories based on various attributes, such as sentiment and other related characteristics. Our app's varied entry options afford accessibility for individuals originally dissuaded from traditional journaling.