

# Project Proposal

## 1 General information

• **Group ID:** 03

• **Project name:** Memoir

**Team members:**

No.	ID	Name	Note
1	23127409	Bùi Hải Long	Leader
2	23127100	Huỳnh Tuấn Phong	
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5	23127378	Nguyễn Gia Huy	

## 2 Introduction

a) **General Idea:**

- This application is designed to help users remember and manage personal relationships by centralizing important information in one place.
- Users can store names, birthdays, photos, contact details, meeting locations, personal notes (e.g., hobbies, impressions), and apply tags (e.g., #family, #workfriend) for easy organization.
- Key features include calendar views for important dates, map integration for meeting locations, and visualizations of relationship networks and statistics.

b) **Reason:**

- In the digital age, people often rely on apps to store information, but existing tools only support basic data and lack personalization.
- Meanwhile, personal connections—from friends to colleagues—are essential in life. Forgotten names or shared memories can create awkward moments or weaken bonds.
- This app meets the growing need for a flexible tool to save, organize, and reflect on relationships—enhancing communication and maintaining meaningful connections.
- It is also useful in fields like education, HR, and teamwork, where remembering and managing interpersonal details can improve collaboration.

## 3 User interviews

- To better understand user needs, we interviewed several university students and gathered their opinions about current problems and expectations.

1. **Challenges Faced by Users:**

- Easily forget names, birthdays, and personal information of acquaintances not seen for a long time.

- Frequently miss important events such as seminars and birthdays.
- Notes are often mixed with study or work notes, lacking clear categorization.
- No synchronization tools, leading to data loss when switching devices.
- Difficulty finding common topics to reconnect with old acquaintances.

## 2. Experience with Current Tools:

- Users currently rely on:
  - + Built-in note-taking apps (e.g., Samsung Notes, Apple Notes)
  - + Zalo Notes
  - + Google Contacts
  - + Facebook
  - + Excel spreadsheets
- Problems identified:
  - + Lack of automatic reminders
  - + Unfriendly user interfaces
  - + No tag-based categorization
  - + Poor data synchronization

## 3. User Needs and Expectations from the Application:

- Fully record personal information: name, birthday, photo, meeting location, emotions, and relationship type.
- Features for relationship analytics and interaction insights.
- Storage of photos, short videos, and notes to help recall memories.
- Data synchronization across multiple devices with backup and restore capabilities.

## 4. Desired Features and Priorities:

Feature	Priority
Birthday and important event reminders	High
Notes with photos, names, and relationships	High
Categorization by tags or groups	High
Personalized, user-friendly interface	High
Relationship statistics by season/quarter	Medium
Suggestions to reconnect with old contacts	Medium
Data synchronization and cloud backup	High

## 5. Conclusion & MVP Recommendations:

- Users need an application that effectively supports remembering and managing personal information to avoid forgetting important details.
- Existing apps do not sufficiently meet the need for personalized relationship management and data synchronization.
- The MVP should focus on these features:

- + Comprehensive note-taking with personal details (name, birthday, meeting place, photo).
- + Tagging and categorization of contacts.
- + Reminders for important dates.
- + User-friendly and intuitive interface.
- + Data synchronization across devices and secure backup.

## 4 Target Users and Environments

- The insights from the previous section help us clearly identify the target users and the appropriate environment for using the application.

a) **Target Users:**

- The application is designed for people who need help managing and organizing information about their personal relationships. This includes:

- People who often forget details about friends, family, or coworkers.
- Those who want to keep memories, meeting times, or special events related to their contacts.
- Professionals such as teachers, HR staff, or managers who need to manage information about many people.
- Users who want to maintain social connections like birthdays or anniversaries.
- People who want to add personal notes about their relationships, such as preferences or meeting places.

-> This application is suitable for anyone who has many relationships and wants an easy way to organize their information.

b) **Usage Environment:**

- The application is intended for use on mobile devices.

- We chose mobile because it best meets user needs, allowing them to use the app anywhere and anytime.
- Mobile apps can work offline, so users do not always need internet access.
- For syncing data between devices, we plan to offer an optional user account feature. This gives users flexibility and helps keep their data consistent across devices when needed.

## 5 Key features

- Store and display detailed information about each person, supporting rich text formatting such as Markdown.
- Automatic reminders to notify users of important dates like birthdays, anniversaries, and other special events, helping to maintain relationships.
- Calendar view to highlight important dates including anniversaries, birthdays, and special occasions.
- Visual map feature to help users track frequently visited meeting locations.

- Tagging system to categorize and manage groups of contacts, such as #colleagues, #class12A1, #family, and #childhood\_friends.
- Support for data synchronization and cloud backup to ensure data consistency across devices.
- **User-friendly interface:** A simple, personalized, and intuitive UI that enhances user experience and engagement.
- Graph visualization of relationships, providing users with an overview of their social groups.

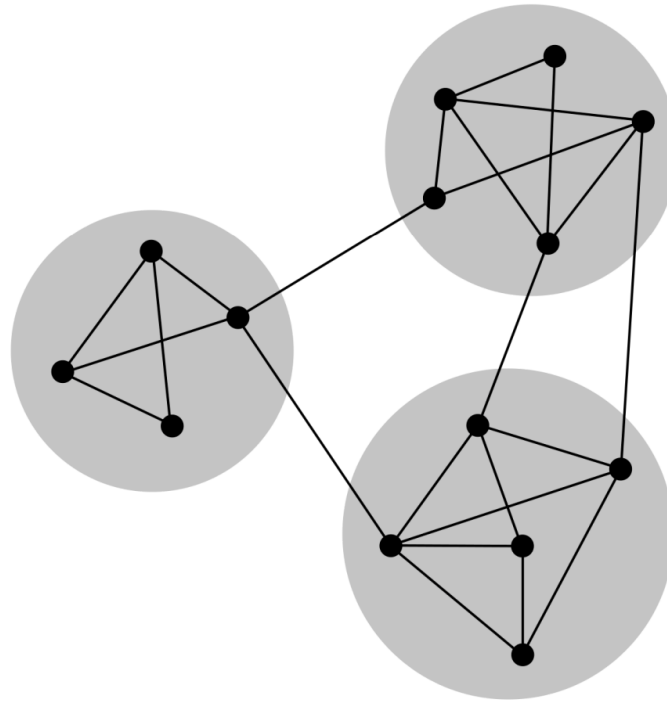


Figure 1: Graph visualization

## 6 Interview materials and results

- Link to the interview question list and results: [Click here](#)
- Link to the interview recordings and transcripts: [Click here](#)