

HCMC UNIVERSITY OF SCIENCE – VNUHCM
FACULTY OF INFORMATION TECHNOLOGY



INTRODUCTION TO SOFTWARE ENGINEERING – 23CLC06
PROJECT ASSIGNMENT 0 (PA0)

Application Project:

MULTIMEDIA JOURNALING WEBSITE

Group: 05

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1. Introduction

It is not always easy to remember the special moments in life. Photos are scattered across different devices, memories fade with time, and the full story of a moment is often spread across multiple apps — one for pictures, another for notes, maybe even a separate one for voice messages.

That is why we created **SoulNote** — a simple, web-based app that helps you capture and relive your most meaningful memories, all in one place. With SoulNote, you can write notes, add photos, record your voice, tag your feelings, and organize everything with custom tags like #travel, #family, or #firstlove. You can also filter and view your memories by emotion, date, theme, or location.

SoulNote helps you not just remember — but truly reconnect with the moments that made you who you are.

2. Target User and Environments

Target User:

SoulNote is designed for anyone who wants to hold on to the moments that matter. Whether you are a student documenting your personal growth, a traveler capturing adventures, a new parent saving family milestones, or simply someone who wants to reflect on life's ups and downs — SoulNote is for you.

It is perfect for people who value memories, emotions, and self-reflection. If you have ever scrolled through your photo gallery trying to remember how you felt in a certain moment — or wished all your thoughts, photos, and feelings were in one place — SoulNote is made for you.

Environments:

SoulNote is a web-based application that can be accessed across multiple platforms and devices:

- + Devices: Desktop computers, laptops, tablets, and smartphones
- + Operating Systems: Compatible with major OS including Windows, macOS, Android, and iOS
- + Platform: Modern web browsers (Google Chrome, Mozilla Firefox, Safari, Microsoft Edge)
- + Network Requirements: Internet connection is required for full functionality; future updates may include offline access via Progressive Web App (PWA)
- + Accessibility: Responsive design ensures a consistent user experience across all screen sizes

3. Key Features

- Authentication
 - Sign up and log in with email/password or Google account
 - Forgot password and password reset
- Dashboard (Main Page)
 - Timeline view of saved memories
 - Filter by tags, dates, or content types (photo, journal, audio, etc.)
- Memory Detail View
 - View full memory details: title, content, images, voice recordings, date
 - Add tags, emotions, and location
- Add / Edit / Delete Memory
 - Add new memories with text and media upload
 - Edit existing memories
 - Delete memories with confirmation
- Statistics and Insights
 - Total number of memories
 - Main emotions summary of month, years,... (happy, sad, neutral, etc.)
 - Mood trends visualization (optional)
- Search and Filter
 - Search by keyword, tag, emotion, or date
 - Filter by custom time ranges

- User Account Management
 - Personal profile management
 - Change password
 - Delete account

- Settings and Personalization
 - Enable or disable journaling reminders (daily/weekly)
 - Choose light or dark theme
 - Select background soundtrack matching mood

4. Interview Result

Here is the result we save after making a survey: [Link](#)

Brief summary of user feedback on SoulNote:

- Users: Mostly aged 18-25, students and office workers, with some older professionals (up to 60 years old).
- Usage habits: Many use note-taking apps, social media, or photo/video capture to record memories and emotions, especially after important events, during strong emotions, or when traveling. Some use it daily as a habit.
- Preferred memory forms: Combining notes with images and audio is popular; tagging emotions (happy, sad, grateful, etc.) and viewing memories in a timeline by date, year, or event are highly desired.
- Attractive features: Emotion filters, keyword/topic/emotion search, private memory “boxes,” and sharing with close ones. Automatic reminders to journal are appreciated.
- Interface preferences: Users favor either a vibrant, image-rich interface or a simple, minimalistic design depending on personal taste.
- Security concerns: Many users worry about privacy, data leaks, and unauthorized use of personal information.
- Expectations: Smooth, user-friendly experience, strong privacy and data security, ability to store large amounts of data, and offline access.
- Common dislikes: Fear of data leaks, overwhelming information, and overly complicated features that reduce motivation to use.
- Suggestions: Customizable emotional expression options (e.g., stickers, shapes), easy-to-use interfaces with minimal ads, and diverse ways to express feelings in posts.

Based on the findings, the app's future direction becomes clear:

SoulNote should focus on a simple, personalized, and highly secure emotional journaling experience. Priority should be given to an easy-to-use interface that allows users to save memories with text, images, audio, emotions, and tags. User engagement can be strengthened through journaling reminders, mood analysis, and private memory boxes. Security and privacy are top priorities.