

# Digital Diary Application

**Our Team:** Maya (Team Leader), Noor Khaled, Shehab Harby, Nada Elzorkany

## Introduction to idea:

*Imagine a space where your thoughts, dreams, and daily adventures come alive—a sanctuary that's always with you, secure and ready to listen. Welcome to the Digital Diary, where journaling meets technology to create a personal heaven for your mind and heart.*

*In today's whirlwind of responsibilities and distractions, finding a moment to reflect can feel impossible. This app is here to change that. With features like password protection, a smart search tool to revisit your favorite memories, and mood tracking to uncover patterns in your emotions, the Digital Diary is more than just a notebook. It's your companion for self-discovery, growth, and mindfulness.*

*This project is implemented in Python, it combines simplicity with creativity. Our team has worked collaboratively to ensure every feature feels intuitive and meaningful, making the app a joy to use. Whether you're jotting down quick notes, pouring out your deepest thoughts, or tracking how you feel over time, this diary is your digital canvas for reflection.*

*Step into your story—one entry at a time.*

## Key Features

- Secure Login System: Password-protected access to ensure diary privacy
- Journal Entry Management: Create, edit, and delete diary entries with date tracking
- Advanced Search: Search through entries by date, content, or mood
- Mood Tracking: Record and visualize mood patterns over time
- User-friendly GUI: Intuitive interface for easy navigation and use

## Team Members and Roles

1. Maya Othman
  - Role: Team Leader & Core Functionality Developer
  - Responsibilities:
    - Project coordination and submission handling
    - Implementation of main functions:
      - Save entry functionality
      - View entry functionality
      - Exit application functionality
    - GUI design and layout

- Visual styling and aesthetics
- 2. Shehab Harby
  - Role: Security & Search Specialist
  - Responsibilities:
    - Password protection system implementation
    - Login functionality
    - Search system development
    - Search results display
- 3. Nada El-Zorkany
  - Role: Mood Tracking Specialist
  - Responsibilities:
    - Mood tracking system implementation
    - Mood selection interface
    - Mood data storage
    - Mood visualization
    - User mood input validation
- 4. Nour Zafan
  - Role: Entry Management Specialist
  - Responsibilities:
    - Date and time functionality implementation
    - Delete entry functionality
    - Timestamp integration
    - Entry validation
    - Testing and quality assurance

## **How to Use the Software**

1. Starting the Application
  - Launch the application
  - Enter password (password)
2. Main Features
  - Password Protection:
    - Secure login system
    - Password validation
  - Creating Entries:
    - Write your entry
    - Select current mood
    - Date and time automatically recorded
    - Click "Save" to store your entry
  - Searching Entries:
    - Use search bar to find entries
    - Search by keywords or content
  - Mood Tracking:
    - Select mood for each entry
    - View mood history
    - Track mood patterns over time