CSS326 Project Proposal

Project name

Digital Diary

Group Members

Student Name – Student ID – Contribution/Roles
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Project Description

Our project is a web application designed to provide users with a modern and secure way to maintain a digital diary. A diary, in its simplest form, is a record of each day that captures both the significant and everyday moments, along with the thoughts and emotions associated with them. This digital diary offers an efficient and functional alternative to traditional paper diaries. With a strong focus on privacy and user experience, it employs appropriate functions to safeguard users' data, ensuring their thoughts and memories remain private and secure.

Users:

The users of our digital diary web application are individuals from various walks of life. This includes:

- Personal Journalists: People who wish to document their daily experiences, thoughts, and emotions in a secure and organized manner.
- Students: Students who want to maintain a diary for personal reflection, creative writing, or academic purposes.
- Professionals: Professionals who want to keep a record of their work-related achievements, challenges, and personal growth.
- Therapy and Mental Health Clients: Individuals in therapy or those seeking mental well-being, as diary-keeping has been shown to have therapeutic benefits.
- Creative Writers: Aspiring or experienced writers who use diaries for inspiration and idea generation.
- Memory Preservation Enthusiasts: People who aim to capture significant life events and memorable moments for future recollection.

Why Users Want to Use It:

Users are drawn to our digital diary web application for several compelling reasons:

- Privacy and Security: The application offers robust security features, ensuring that users can maintain their diaries with confidence, knowing their personal thoughts and experiences are safe from prying eyes.
- Efficiency: Unlike traditional paper diaries, the digital format allows users to easily search, organize, and retrieve past entries, making it more efficient for tracking and reflecting on personal history.
- Accessibility: The diary can be accessed from anywhere with an internet connection, eliminating the need to carry a physical journal and ensuring users can write and reflect on their experiences at any time.
- Mental Health Benefits: Research has shown that keeping a diary can be therapeutic, helping users manage stress, anxiety, and depression. It promotes self-reflection and emotional release.
- Writing Improvement: Regular diary-keeping can enhance one's writing skills, encouraging users to express their thoughts more eloquently and coherently over time.
- Event and Memory Retention: A digital diary can serve as a reliable memory aid, enabling users to remember important events, activities, and details that might have otherwise faded from memory.

In summary, our digital diary web application not only keeps users' personal experiences and thoughts safe but also offers a more efficient and effective way to maintain diaries compared to traditional paper diaries. By incorporating elements of privacy, accessibility, and therapeutic value, it encourages users to create a valuable and lasting record of their lives while improving their overall well-being.

User Journey

Page 1 Welcome page: user have two options, 1.1 Sign In (if already is a user) or 1.2 Sign up (if not already a user)

Page 1.1 Sign In (if already is a user): fill in the username and password and click login.

or

Page 1.2 Sign up (if not already a user): fill in the first name, last name, username, email, and password then click create account.

Page 3-5 Welcome -> Customize the diary -> Completing message: after user see the welcome page, click the right arrow to go to the customization page, once reached the customization page, user can set the font, background color, and pad style, then click the right arrow to go to completing message page.

Page 6 New entry: click the plus button to create the new entry.

Page 7 Diary and Goal tracking: user can choose between 7.1 writing a diary or 7.2 set the goal

Page 7.1 Diary: fill in the entry title, fill in the diary content, and set the move, then save.

Page 7.2 Goal tracking: user can set the new goal, see the ongoing goal, and view the completed goal.

Page 8 Comment: user can see their previous entries can comment on each entry, user can also edit or delete their comments.

Page 9 User profile: user can see their user profile, change password, and delete their account.
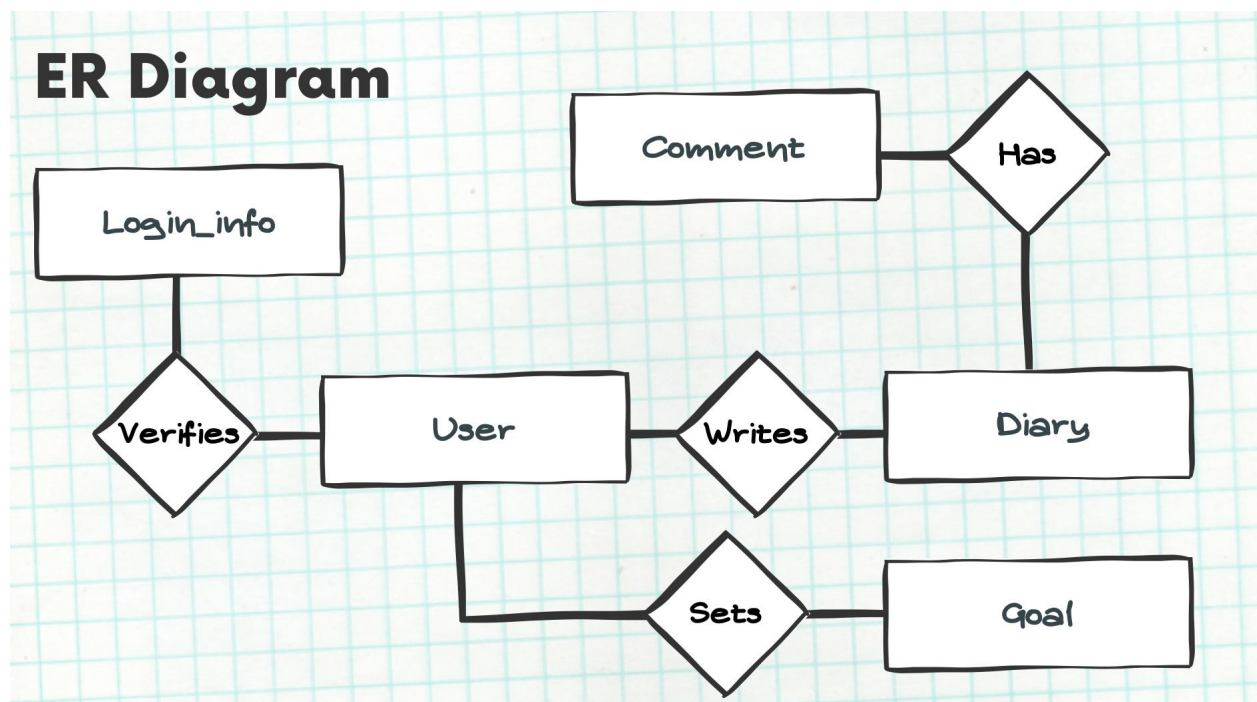
User Interface

https://www.figma.com/file/yhi6Uf4XJBQO8pi9wb5hf2/Diary?type=design&node-id=0%3A1&mode=design&t=W93DuthJfVXyztnq-1

Database Design

Entities list

- log_in
- user
- diary
- comment
- goal

ER Diagram

Physical Design for MySQL

log_in:
- user_id {PK}, varchar (30)
- username {PK}, varchar (30)
- Email, varchar (30)
- password, varchar (30)

user:
- username {PK}, varchar (30)
- fname, varchar (30)
- lname, varchar (30)
- PhoneNumber, varchar (30)
- Email, varchar (30)
- Font, varchar (30)
- Theme, varchar (30)
- Pad_style, varchar (30)

diary:
- diary_id {PK}, INT (11)
- username {FK}, varchar (30)
- date_modify, datetime
- diary_content, varchar (10000)
- mood, TINYINT (3)

comment:
- comment_id {PK}, INT (11)
- diary_id {FK}, INT (11)
- datetime, date
- comment_content, varchar (100)

goal:
- goal_id{PK}, INT (11)
- username{FK}, varchar (30)
- Deadline, date
- Goal_content, varchar (10000)
- complete, TINYINT (1)

Timeline

Weeks	Month	Date	Plan
Week 11	Oct	24	Proposal Presentation
Week 12		31	Implement Backend (MySQL) ● Create Database ● Link Entities ● Query Test Implement Front-end (HTML) ● Create Backbone of HTML Structure
Week 13	Nov	7	Implement Front-end (CSS) ● Beautify using CSS ● Implement static version of the website
Week 14		14	Combine Back-end and Front-end (PHP) ● Implement PHP logic ● Link database to website ● Testing & Debugging
Week 15		21	Project Submission & Presentation

Canva Link:
https://www.canva.com/design/DAFx3xv-k0c/WHCHGvdrC-HtCLps4S069w/edit?utm_content=DAFx3xv-k0c&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

Figma Link:
https://www.figma.com/proto/yhi6Uf4XJBQO8pi9wb5hf2/Diary?type=design&node-id=61-3&t=svSbADUf1USpsazr-0&scaling=min-zoom&page-id=0%3A1&starting-point-node-id=61%3A3