Project Title: *Interactive Personal Daily Journal Website*

Submitted By:

Cyrus David

2460353

cyrus.david@btech.christuniversity.in

Course: UI/UX Design Fundamentals
Instructor Name: [Faculty Name]
Institution: Christ University
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Abstract

This project involves designing and developing an interactive, visually appealing daily journal website using HTML5, CSS3, and basic JavaScript for front-end interactivity. The goal was to allow users to create journal entries with a date and mood selection, which would be dynamically displayed in the archives section, sorted by date. The website features a clean and user-friendly interface, night mode for better accessibility, and mood-based color indicators. The project focuses on front-end development principles while simulating a functional journaling application.

Objectives

- Create a visually appealing and user-friendly journal interface.
- Implement date-wise dynamic archiving of journal entries.
- Enable mood tracking with visual color codes.
- Integrate night mode for improved accessibility.

Scope of the Project

- Focused purely on **front-end** implementation.
- Allows adding, displaying, and storing journal entries without a backend.
- Works on desktop and mobile viewports.
- Includes an interactive mood selector and theme toggling.
- Uses **localStorage** for persistence across browser sessions.

Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Content structure
CSS3	Styling and layout
VS Code	Code editing
Chrome DevTools	Testing and debugging

HTML Structure Overview

- Used <header>, <main>, <section>, and <footer> for semantic structure.
- Form for journal entry submission inside <section>.
- Dynamic archives section to display past entries.
- Footer includes developer credit and clickable Instagram link.

CSS Styling Strategy

- External stylesheet with clear comment sections.
- Responsive layout using Flexbox.
- Mood-based color coding with CSS attribute selectors.
- Night mode styling with .night-mode class toggle.
- Hover effects for buttons and links.

Key Features

Feature	Description
Night Mode	Switches theme to a dark background with light text for better visibility.
Mood Selector	Allows users to tag entries with moods like Joyful, Calm, Stressed, Creative, Energetic, Lonely, Hopeful.
Date Sorting	Automatically sorts entries with the latest first.
Instagram Link	Footer contains clickable Instagram handle that opens in a new tab.

Outcome

- Successfully developed a functional, interactive daily journal front-end.
- Achieved persistence of data using only front-end code.

Future Enhancements

- Add user authentication for secure access.
- Implement a search/filter feature for past entries.
- Export journal entries as PDF.
- Sync data to an online database for cross-device use.

Sample Code

Html:

```
<!-- Journal Entry Form -->

<section class="journal-form">
```

```
  <h2>New Entry</h2>
  <form>
    <label for="entry-date">Date:</label>
    <input type="date" id="entry-date" required>

    <label for="mood">Mood:</label>
    <select id="mood" data-mood>
      <option value="joyful">😄 Joyful</option>
      <option value="calm">😌 Calm</option>
      <option value="stressed">😖 Stressed</option>
      <option value="creative">🎨 Creative</option>
      <option value="energetic">⚡ Energetic</option>
      <option value="lonely">😔 Lonely</option>
      <option value="hopeful">🌈 Hopeful</option>
    </select>

    <label for="entry-text">Your Thoughts:</label>
    <textarea id="entry-text" placeholder="Write your day here..." required></textarea>

    <p id="writing-stats">Word Count: 0 | Streak: 0 days</p>

    <button type="submit">Add Entry</button>
  </form>
</section>
```

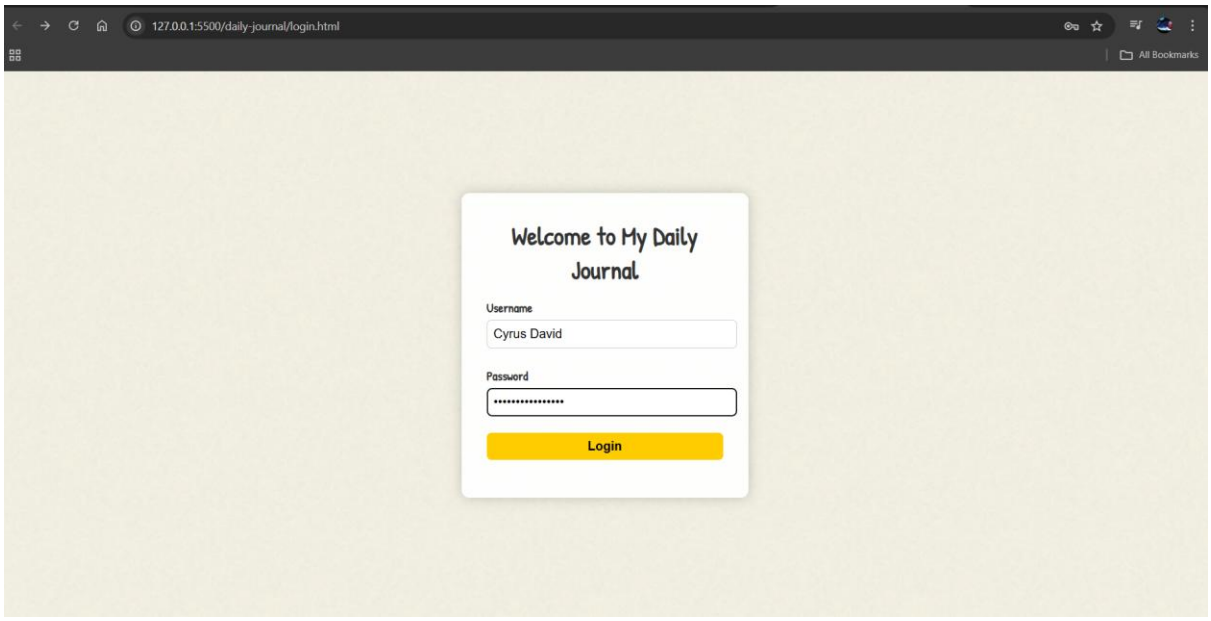
CSS:

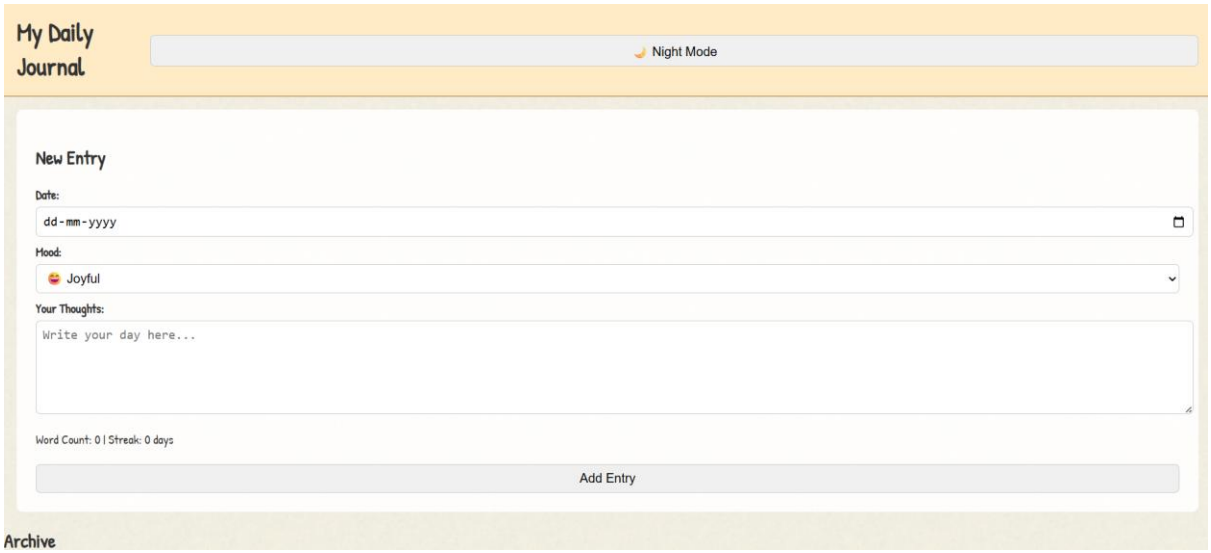
```
/* Journal Form */
```

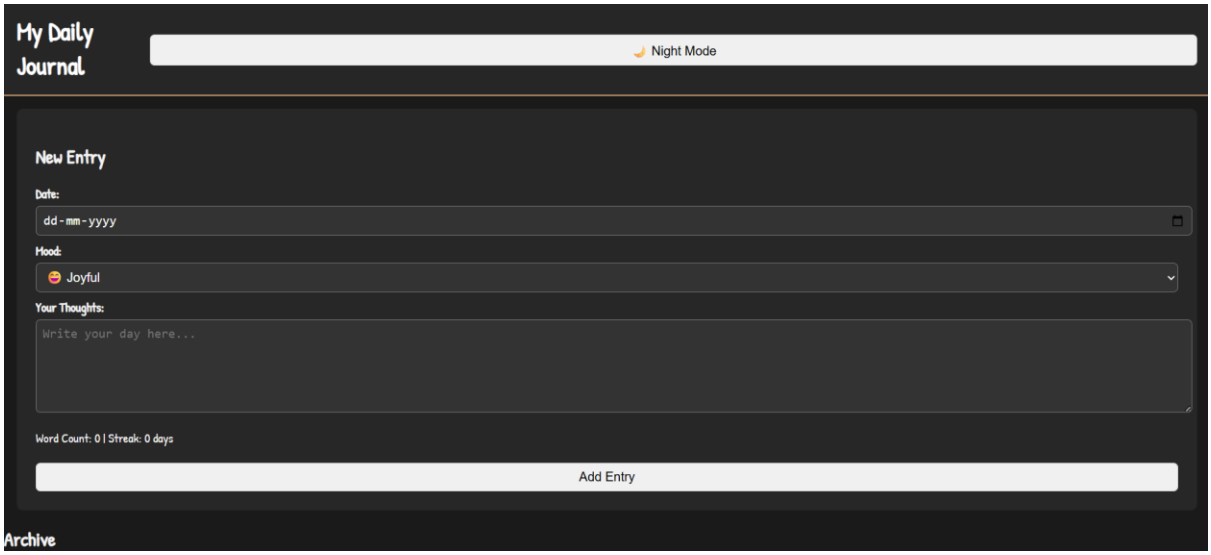
```
.journal-form {
  padding: 1.5rem;
  background: rgba(255, 255, 255, 0.9);
  margin: 1rem;
  border-radius: 8px;
}

label {
  display: block;
  margin-top: 0.5rem;
  font-weight: bold;
}

input, select, textarea, button {
  width: 100%;
  margin-top: 0.3rem;
  padding: 0.5rem;
  font-size: 1rem;
  border-radius: 6px;
  border: 1px solid #ccc;
}

textarea {
  min-height: 100px;
}

/* Mood Colors */
.journal-entry[data-mood="joyful"] { border-left: 5px solid #ffcc00; }
```

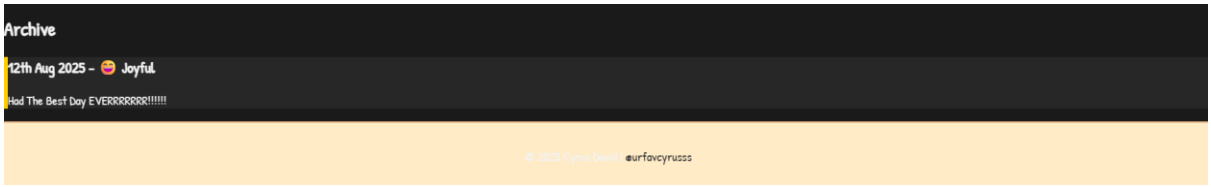
```
.journal-entry[data-mood="calm"] { border-left: 5px solid #66ccff; }
.journal-entry[data-mood="stressed"] { border-left: 5px solid #ff4d4d; }
.journal-entry[data-mood="creative"] { border-left: 5px solid #ff99cc; }
.journal-entry[data-mood="energetic"] { border-left: 5px solid #ff6600; }
.journal-entry[data-mood="lonely"] { border-left: 5px solid #999999; }
.journal-entry[data-mood="hopeful"] { border-left: 5px solid #33cc33; }
```

Screenshots of Final Output









Conclusion

This project provided hands-on experience in front-end development using HTML, CSS, and JavaScript. I learned how to structure content semantically, style it responsively, and add interactivity without server-side technologies. The addition of night mode, mood tracking, and localStorage persistence made the application more engaging and practical.