Homework-1 Description: Personal Blog Website

Purpose:

In this homework, you will create a personal blog website that shares articles, thoughts, and multimedia content on topics of personal interest. The website will allow users to read blog posts, explore categories, and engage through comments.

Pages:

1. **Home Page**

   o   Provides an overview of the blog.

   o   Displays featured or recent blog posts.

   o   Includes a navigation menu or links that guide users to other pages (e.g., categories, about, contact).

2. **Blog Posts**

   o   Presents a list of recent or popular blog posts.

   o   Includes the date, author, category, and a brief description of each post.

   o   Allows users to click on a post to access full details.

3. **Post Details**

   o   Contains detailed information about the selected blog post.

   o   Includes the article content, author bio, and related tags or categories.

   o   Features a comment section where users can leave feedback or engage in discussions.

4. **Gallery**

   o   Contains photos, videos, and other media related to blog content or topics of interest.

   o   Offers visual content that adds depth to the articles and allows users to experience the blog's aesthetic.

5. **About**

   o   Includes information about the blog owner, their background, and the purpose of the blog.

   o   May contain a small personal bio, links to social media profiles, and any additional context about the blog's theme.

6. **Contact**

   - o   Contains a form for users to get in touch with the blog owner.

   - o   Lists contact information such as email and social media links.

   - o   Optionally, includes a map or visual of the blog's geographical context if relevant.

Technical Requirements:

1. **HTML:**
   To structure the layout and content of all pages.

2. **CSS:**
   For styling and maintaining a cohesive visual theme across the site.

3. **JavaScript:**
   To enhance interactivity, enabling dynamic elements like slideshows or form validation.

4. **Server-Side Programming (Optional):**
   For handling form data, managing comments, and generating dynamic content if a database is used.

5. **Responsive Design:**
   Implement responsive design techniques to ensure the website is adaptable to various screen sizes.

Additional Features:

- **Subscription Form:**
   Provides users with an option to subscribe to the blog for updates on new posts.

- **Comment System:**
   Stores user comments in a database and displays them dynamically on post detail pages.

- **Search Feature:**
   Allows users to search posts based on keywords, categories, or dates.

Report:

Prepare a report that describes the details of your project. The report should include the following sections:

1. **Cover Page**

2. **Contents**

3. **Introduction**

4. **Theoretical Information** (optional for your inspiration and topic focus)

5. **Technologies Used and Technical Requirements**

6. **Additional Features**

7. **Project Planning Process**

8. **Conclusion and Discussion**

9. **References**

10. **Program Codes** (for structure and features)

Submission:

- Place your project and report in your GitHub account or cloud storage (e.g., Google Drive) and share the link via Olearn.