PROJECT

This project is divided into two sections. Section 1 is an individual task, while for Section 2, please form a group of 3 to 5 people.

Section 1 (25 Marks):

Individual Task

Please pick one of the following titles.

1. "A Comparative Analysis of Front-end Frameworks in Web Development: A Literature Review"
2. "Security Measures in Web Applications: A Survey of Techniques and Best Practices"
3. "User Experience Design Trends in Modern Web Development: A Comprehensive Review"
4. "Accessibility in Web Design: A Literature Review of Guidelines and Implementation Strategies"
5. "Scalability Challenges in Web Services: A Survey of Solutions and Technologies"
6. "The Impact of Progressive Web Apps on Mobile Web Development: A Review of Literature"
7. "Web Performance Optimization Techniques: A Comprehensive Literature Survey"
8. "Cross-platform Development Frameworks for Web Applications: A Comparative Review"
9. "Recent Advances in WebRTC Technology: A Survey of Applications and Challenges"
10. "Emerging Trends in Web Development: A Review of Machine Learning Integration"

Once you have chosen a title, you need to write a report about it, consisting of a minimum of 13 pages and a maximum of 22 pages. The report should include the following content:

1. Abstract
2. Introduction
3. Literature Review
4. Conclusions
5. References (Please make sure the citations and references are in Harvard (name and date) format!)

The full reference should include:

- all authors' names and initials,
- date of publication,
- title of article,
- title of publication (italics),
- volume and issue number (of a journal),
- publisher and form (for books and conference proceedings),
- page numbers,
- DOI (Digital Object Identifier), if available.

Please refer to the sample report provided as a guideline for formatting your report. Pay attention to how references are cited, and ensure your table and figure captions follow the same style.

For the literature review chapter, gather relevant articles from Google Scholar related to your chosen project title. Organize the reviews based on relevance, and aim for a well-structured and organized presentation. Utilize tables and figures to support your literature review where appropriate.

Use the provided template to structure your report. You can first draft your content in a separate Microsoft Word file and then transfer it to the template once finalized. The key is to ensure your report resembles the sample report in terms of formatting and presentation.

After completing your report, upload it to Turnitin for plagiarism checking using the provided class ID and enrollment key:

Class ID: 42846536
Enrollment Key: webtech123

Ensure the similarity index is below 20%, excluding references. If necessary, rephrase any detected plagiarized sentences to reduce similarity.

Submit your report via Google Classroom by the deadline of April 14, 2024, in Microsoft Word format. Avoid submitting in PDF format.

Section 2 (25 Marks):

Group Task (3 to 5 persons)

This will be Section 2 of the project. In Section 2, you will not be required to write a report. Instead, your task will be to code a website. Here is the task you need to complete:

Develop a feedback form utilizing Flask, HTML, and CSS. The form should incorporate fields for gathering feedback from users, including their name, email, and comments. Ensure that the form is visually appealing and user-friendly. Implement functionality so that upon submission, the details are stored in a file. Additionally, ensure that the owner can access the file to review who submitted the form and the corresponding details.

Once you have finished coding the Flask, HTML, and CSS components, place them in a zip file and submit the zip file to the Google Classroom. The deadline for Section 2 of the project is May 19, 2024.