**IST103 – Web Development**

Group Project (60pt)

**PROJECT Outline**

**PROJECT SUMMARY – GROUP 2**

This project is worth **60pt**.

This is a comprehensive group project aimed at covering the topics taught in the course IST103. It involves creating a small web project.

You should develop the website independently with your group mates and avoid copying HTML, CSS, JavaScript codes, or any content from external sources. This project should be a demonstration of your skills and understanding of the course material.

The deadline is Thursday, April 18, at 11:59 pm.  
 **PROJECT DESCRIPTION**

WHERE TO START Download your group zipped folder from Canvas.

PART 1

1. Choose a group leader. Group leader needs to create an organization on GitHub, invite his/her teammates and initialize public repository on GitHub. This repository will be used for work.
2. Your remote repository must have at least 2 branches.

PART 2

1. During part 2 team members have to decide who will be responsible for what part of the site. For example, one teammate can do JS, the other teammate can do responsive version. It’s up to you guys how to organize the work.
2. **Group 2 topic** **is Age calculator landing page and app.**
3. Open downloaded zipped folder from Canvas. In the folder “design” you will see mockups of the Age calculator landing page and app. Your challenge is to build the website that will look as close to the design as possible.
4. Your website interface needs to be responsive depending on various devices screen size.
5. In the project folder go through the README.md file. This will provide further details about the project and help you get set up.

PART 3

1. Submit the link to your repository and zipped folder with your project to Canvas.

**DEADLINE**

The deadline is Thursday, April 18, at 11:59 pm.

**PROJECT REQUIREMENTS**

1. **General Requirements**

To maintain the separation of concerns, it is essential not to include CSS or JS code directly in the HTML files.

* CSS code must be written in external CSS file(s) and stored in a separate folder.
* JavaScript code should be stored in JavaScript file(s) and kept in a separate folder.

1. **HTML Requirements**

You must use semantic HTML elements and follow best HTML practices.

1. **CSS Requirements**

The CSS code should be organized following best practices, using selectors and classes judiciously to ensure clarity. Careful attention should be paid to color schemes, typography, spacing, and other design aspects to ensure visual harmony and accessibility.

1. **JavaScript Requirements**

Your project should incorporate JavaScript code that adds dynamic content to certain pages. If you require any JavaScript library to develop your code, be sure to specify the library's link in the documentation.

**PROJECT ASSESSMENT**

**HTML (20 PTS):** The proper use of HTML elements, semantic markup, and well-structured layout will be rewarded with higher scores. Points will be given for the correct implementation of essential HTML tags, ensuring accessibility, and maintaining a clean and organized code structure. Additionally, creative, and innovative use of HTML features, such as forms, tables, and multimedia elements, will be appreciated.

**CSS (20 PTS):** The project's CSS implementation will play a crucial role in scoring. The effective use of CSS to create a visually appealing and consistent design throughout the website will be highly rewarded. Points will be given for using modern CSS features like Flexbox and CSS Grid to build responsive layouts. Additionally, proper styling of typography, colors, and images, as well as attention to detail in the overall presentation, will contribute to a higher score.

**JavaScript (10PTS):** Essential JavaScript functionalities, such as form validation and interactive elements, will be considered. However, the emphasis will be on the quality of implementation rather than the complexity of the code. Clean, well-organized, and efficient JavaScript code will be favored over overly complex or unnecessary scripts.

**GitHub, Project Structure and Organization (10PTS):** The overall structure of the project, including file organization, naming conventions, and adherence to the provided guidelines, will be assessed.