

Assignment Title: Design a Website to Promote a Sustainable Development Goal (SDG)

4.02 Be able to design, write and debug computer programs.

Instructions: **Day 1**

1. Research and Preparation:

- **Research Sources:**

Keep a log of all the resources you use for your research (websites, articles, videos, etc.).

- **Include:**

- The title of the resource.
- Author or organization.
- A brief note on how it contributes to your website.

- **Identify Impactful Websites:**

Find 2-3 examples of websites related to your chosen SDG. Write down:

- Why these websites are effective (e.g., clear messaging, visuals, navigation).
- What design or content ideas you can learn from them.

2. Choose an SDG and Theme:

Select one Sustainable Development Goal (e.g., Climate Action, Quality Education, Zero Hunger) and brainstorm the message or problem you want to address.

3. Create a Website Blueprint:

- **Decide on Website Pages:**

Write down the main pages you want to include (e.g., Home, About, Resources, Contact).

- **Paper sketch.**

- **Plan Content for Each Page:**

Write a brief outline of the content for each section. Example:

- **Home:** A brief introduction to the SDG and a call to action.
 - **About:** Details on the SDG, why it matters, and how people can help.
 - **Resources:** Links to articles, videos, and organizations.
 - **Contact:** A form or email for users to connect.
-

Day 2-4

4. Website Design Plan:

Create a visual layout for your website using one of these tools:

-
- Online wireframing tools (e.g., W3schools, repl.it).

Your layout should include:

- **Navigation Bar:** Include links to all your pages.
 - **Visuals and Graphics:** Plan where images, icons, or infographics will go.
 - **Colors and Fonts:** Choose colors and fonts that align with your SDG theme.
-

Day 5

5. Reflect and Improve:

Write down:

- Why your website design conveys the SDG message effectively.
 - Any challenges you faced and how you solved them.
-

Submission Requirements:

- Your research log.
- A list of impactful websites and why they're effective.
- The website blueprint, including planned pages, content, and visuals.
- A short reflection (100–150 words).

Bonus: Create a basic HTML/CSS version of your webpage (optional).

Evaluation Criteria:

- **Creativity (20%):** Original and engaging ideas.
- **Relevance (30%):** Clear focus on the chosen SDG.
- **Organization (20%):** Well-structured and easy-to-understand blueprint.
- **Research (20%):** Thorough research and use of examples.
- **Reflection (10%):** Thoughtful insights and improvements

Keep a log of research sources, important data, and ideas to include in the website.

- Write down examples of impactful websites related to the chosen SDG and note why they're effective.
2. Create a Website Blueprint
 - Write down what pages the website will include (e.g., Home, About, Resources).
 - Plan the content for each section, focusing on conveying the SDG message effectively.

Rubric: Website designing