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**Assignment 1**

**Setting Up Git Repository and Designing Website Prototype**

**Task-1: Setting Up Git Repository**

Setting up your Git repository is the first step towards organizing your project and facilitating collaboration. Follow these steps to create and configure your repository:

**1.** **Create a New Repository:** Using your preferred Git hosting platform (such as GitHub, GitLab, or Bitbucket), initiate the creation of a new repository. Name the repository with your enrollment number to ensure easy identification.

**Example:** We created a new repository on GitHub named "2202030400043".

**2. Folder Structure:** Within your newly created repository, establish the folder structure by creating two main folders: "Assignment\_1" and "Assignment\_2". This structured approach will help to organize your files and assignments effectively.

**Example:** In our "2202030400043" repository, we created two folders named "Assignment\_1" and "Assignment\_2".

**3. Documentation:** Document each step of the repository setup process thoroughly. Include detailed instructions, accompanied by screenshots if necessary, to ensure clarity and ease of understanding for yourself and others who may collaborate on the project.

**Example:** We maintained a detailed Word document named "Repository\_Setup\_Guide.docx" outlining the steps taken to create the repository and establish the folder structure.

**4. Upload Documentation:** Once the documentation is complete, upload the Word document to the "Assignment\_1" folder within your Git repository. This ensures that all project-related information is centralized and easily accessible.

**Example:** We uploaded the "Repository\_Setup\_Guide.docx" file to the "Assignment\_1" folder in our Git repository.

**Task-2: Designing Website Prototype in Figma**

Designing a website prototype in Figma involves conceptualizing the visual and interactive elements of your website. Here's how you can create an effective prototype:

**1. Screen Design:** Begin by creating individual screens for each section or functionality of your website. For example, start with the homepage, followed by screens for login, signup, dashboard, etc.

**Example:** In Figma, we designed the login screen by first creating a wireframe to outline the layout and then refining it with specific UI elements such as input fields, buttons, and labels.

**2. User Flow:** Pay attention to the user flow within your prototype. Ensure that transitions between screens are smooth and intuitive, guiding users through the expected interactions.

**Example:** We ensured a seamless transition from the login screen to the dashboard by incorporating clear navigation elements and logical user prompts.

**3. Responsiveness:** Consider the responsiveness of your design to accommodate various screen sizes and devices. Test your prototype on different devices or use Figma's built-in preview functionality to simulate responsiveness.

**Example:** We tested the responsiveness of our prototype by adjusting the viewport size within Figma and making necessary design adjustments to ensure optimal display on mobile devices.

**4. Export Screens:** Once the prototype is complete, export each screen as individual image files (PNG or JPG format). These images will serve as visual references for the development phase.

**Example:** We exported each screen of our prototype as PNG files and saved them with descriptive filenames such as "login\_screen.png" and "dashboard\_screen.png".

**5. Upload to Repository:** Organize and upload the exported screen images to the "Assignment\_1" folder within your Git repository. This makes it easy to access and reference the prototype during the development phase.

**Example:** We uploaded all exported screen images to the "Assignment\_1" folder in our Git repository, ensuring that they are neatly organized and readily available for review.