

Study Notes: Full Stack Development for Kids

Python, Flask, HTML, and CSS

1. Introduction to Full Stack Development

- Full stack means working with both the front-end (what users see) and back-end (the server).
- In this course, we'll use Python, Flask (a web framework), HTML, and CSS.

2. Python (Back-End Programming)

- Python is a powerful programming language used to write the logic of applications.
- Example: Handling logins, saving data, or making calculations.

3. Flask (Back-End Framework)

- Flask helps us build websites and web apps using Python.
- It is lightweight, easy to use, and great for beginners.
- Example: Creating a simple website with multiple pages.

4. HTML (Front-End Structure)

- HTML is used to create the structure of a web page.
- Example: Adding text, images, headings, and links.

5. CSS (Front-End Design)

- CSS makes web pages look nice with colors, fonts, and layouts.
- Example: Changing background colors or making buttons look cool.

6. How Everything Works Together

- Flask handles the back-end logic.
- HTML builds the structure of the web page.
- CSS makes it look attractive.
- Together, they create a complete website!

7. Example Project Idea

- Build a Personal Portfolio Website:
 - * Python + Flask: Handle contact form and serve pages.
 - * HTML: Structure the website with About Me, Projects, and Contact sections.
 - * CSS: Add styling to make it look fun and professional.

Tip: Start small, then add more features as you learn!