Series: Web Application Dev in 5 days

September, 2022

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Introduction

Program introduction

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Audience

- No IT background
- Introduction to IT
- Interested in supervision or leading web dev projects
- IT Project Manager
- Technical Recruiter

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Objective

In the next 5 days, we will carry out a 15 hours tutorial on full stack web development with a frontend in BootStrap (HTML, CSS & JavaScript), a Python (Fast API) + MySQL Backend. We will further use Git for version control in the process. Hence we will learn just enough of git to be able to do basic version control.

Bonus: We might get to see how to deploy the application to a live server online.

Copyright - Plagiarism

- You are expected to come up with solutions for the tasks by yourself to meet with the learning objectives.
- You will not be able to meet the objectives of this or any following project by copying and pasting someone else's work.
- You are not allowed to publish any content of this project.
- Any form of plagiarism is strictly forbidden and will result in removal from the program.

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Materials

- GitHub Account
- Ubuntu Server 20.XX and above
- Visual Studio Code or PyCharm
- Python (Anaconda)
- MySQL Server (XAMPP)

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Procedure

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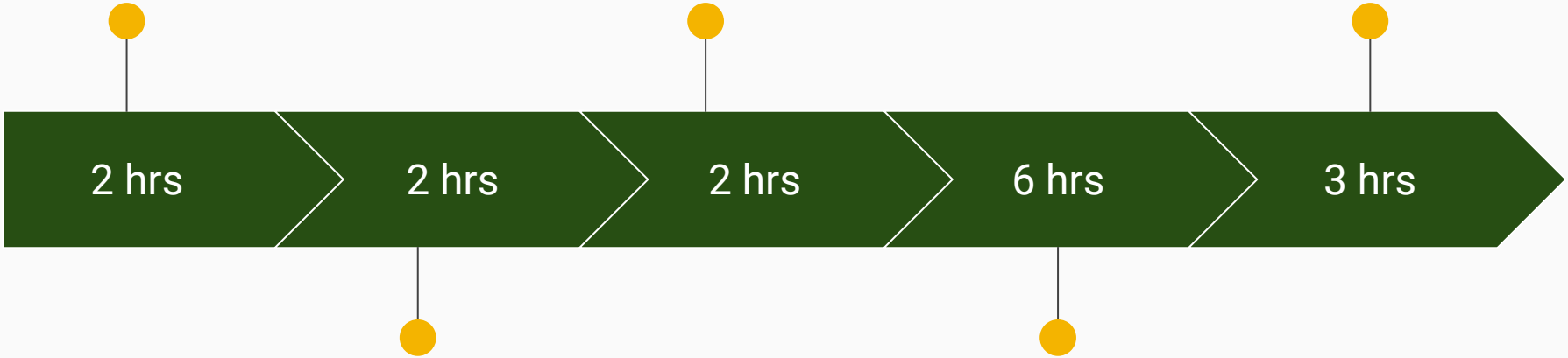
Writing HTML Documents

Client Side Processing using JavaScript

MySQL Databases and SQLAlchemy, ORM



Styling HTML Documents using CSS

Python Backend Basics(OOP, Scripts) to APIs using FastAPI

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Homework

Our first task is to create github accounts and create our first repositories

1. Go to github.com and signup for an account.
2. Follow the commands at the end of our first class instruction sheet to create your first repository and push your hello world code to it.

Once done, share in the telegram group a link to your first repository.

NOTE: All repositories created by your during the program should be public.

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