Impact Byte Batam beginner web programming syllabus

Participants will build the ideated simple application / in 6 weeks (8 hours per week), from zero to make simple application, guided by the mentors. Then will build the final project each student in 2 weeks (16 hours), advised by the mentors.The main basic beginner web programming idea is to build todo app, that features to: create, update, filter and delete.

Chapter 1

Introduction to code by learning, designing, and building website with mockup, HTML, and Git until hosting it on the Internet

- UI Design and MVP (Minimum Viable Product)
- HTML fundamentals
- Git, GitHub, GitLab
- Web Hosting and Deployment

Chapter 2

beginner CSS, beginner javascript, DOM

- on CSS we learn fundamentals, syntax, implementation, selectors, colors, size, box model, background, display, height & width, border, margin & padding, position.
- on javaScript we learn fundamentals, implementation, data types, variable, arithmetic, comparison, build in object & methods, date
- on DOM we learn common function we can use that already have on browser.

Chapter 3

intermediate CSS, beginner javascript, Basic REST API

- on CSS we learn pseudo classes, web safe fonts, responsive & media query, flexbox
- on javascript we learn style guide, block, conditional, loop
- on basic REST API we learn how to connect & use other web service on internet

Chapter 4

javascript built-in functions, REST API, Twitter Bootstrap CSS Framework

- on javascript we learn array, string, math, object and timing
- on REST API we learn how to use it more powerfull & deeply
- on Twitter Bootstrap we learn how to use & implement it in simple

Chapter 5

Twitter Bootstrap CSS Framework, javascript plugins

- on Twitter Bootstrap we learn more deeply and how to implement it
- implement javascript plugin with less code & good result

Chapter 6

javascript plugin, web performance, SEO and introduction Reactjs

- we learn other javascript plugin that might be useful.
- make website show quickly
- make become no 1 on google search
- create simple website using Reactjs

Chapter 7

learn more Reactjs and start to build final project

Chapter 8

Finish the final project, presentation and graduation