WEB DEVELO PMENT

SYLLABUS

Full time – 10 weeks

OVERVIEW

This training will give you all the basic knowledges of web development and mobile app development. This is a Javascript Full-Stack program. This language is used by the startups as much as it is used by big companies and is getting more and more popular. This training will cover all the basics but also all the most used libraries on GitHub.

After these 10 weeks, you will be able to create your own websites and mobile applications. You will be able to work as junior web developer, digital project manager or growth hacker. Or, if you feel like being an entrepreneur, you will be given the autonomy to start your own project.

Along this training you will reproduce website such as Booking, Airbnb, Deliveroo, Uber, etc.

TIMELINE

12 weeks of which 10 weeks on-site including 15 days of projects

Timeline	Key concepts	Project	Location
2 weeks	**Prework** *Complete online classes* General knowledge of the Internet, Front-end, Back-end Basics HTML, CSS, JavaScript		☑ Home ☐ Weecode campus
4 weeks	**Module 1** *Front-End* Git & GitHub, HTML, CSS , Flexbox, Grid layout, Bootstrap, Design introduction, object-oriented programming, Introduction to Javascript, Jquery, Advanced Javascript, Dynamic user interface interactions, Advanced CSS, Responsive Design Advanced, CSS Framework Bootstrap, Animations	*Project* 4 days	☐ Home ☑ Weecode campus
4 weeks	**Module 2** *Back-End* Database Design introduction,, HTTP (status and request methods), Node.js & npm, Express.js, Axios + PostMan, CRUD, MySQL, NoSQL (MongoDB), API (end-points), Heroku set-up	*Project* 2 days	☐ Home ☑ Weecode campus
2 weeks	**Module 3** *Final project* Working full time on a final team project which will reuse parts of every Mini Projets.	*Team project* 9 days	☐ Home ☑ Weecode campus

WHAT YOU WILL LEARN

PREWORK
Prepare your bootcamp

During your Web Development bootcamp you will learn HTML, CSS and Javascript. During the prework session you will setup your environment on your computer. Don't worry, you will have access to our assistants and professors who will help you if needed. During this session, you will learn the basics of coding in order to perform better and faster during the bootcamp. You will also discover the other members of Weecode and start your immersion into your new environment so you can fully enjoy your bootcamp.

1st MODULE
Start your immersion into CSS, HTML and Javascript

During this first part, you will dive into coding and start learning fundamentals of HTML, CSS and Javascript, your main target. You will learn responsive web design using Bootstrap, Flexbox and Jquery. The goal is to make you a professional Full Stack JavaScript developer therefore you will need to focus on this language and understand it as your mother tongue. You will be learning the most popular coding language for days.

You will have to run your first projects : startup your own webpage, make your resume available online, create a game... You will put into practice everything you learnt during your first module to reproduce the games that sweetened your childhood or even create your own game. It's time to be creative and work hard to develop your Javascript skills.
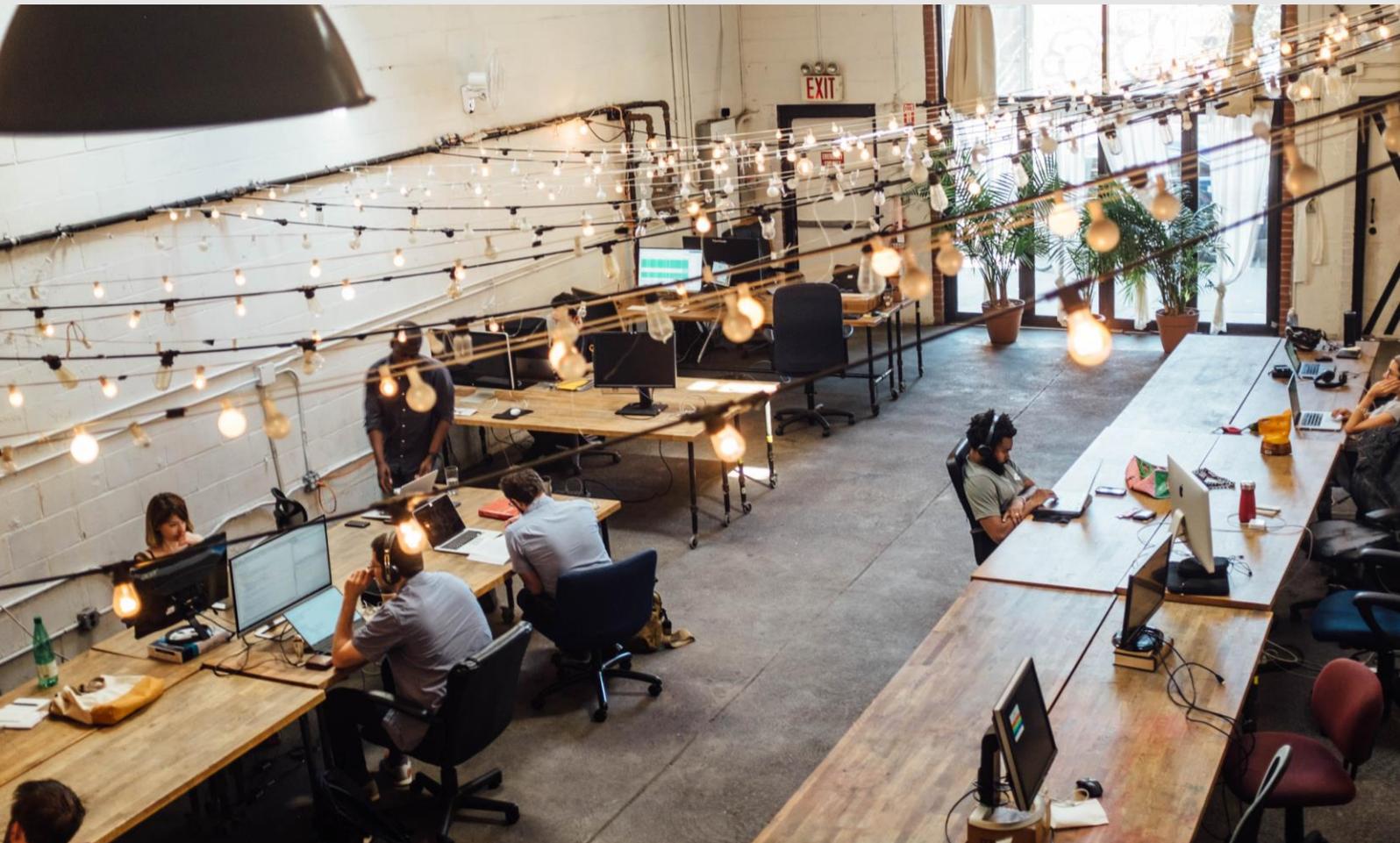
You will also think about your end project as this will be your guiding thread throughout your training. At the end of each theme you will have time to start working in group on your project. This will allow you to put into practice what you learnt during the week. You will then make progress step by step on your project until the last week.

2nd MODULE
Manage the back end

The easy part is done ! it's now time to focus on the back-end. You will learn the model-view-controller pattern and to create a server. You will be able to manage NodeJS, ExpressJS, and leanrn MongoDB. You will learn how to make http request, develop and integrate APIs and deploy them to production. You may feel that this is shrouded in mistery, but you will soon be fully autonom, don't worry.

At the end of the module, after several projects, you will team up and start working on the backend of your project for developping a full-stack web application. This will be a lot more fun with your partners and also you'll learn to work in groups as this is common practice in tech companies.

3rd MODULE
Wrap up this bootcamp with a final team project

It's time to close your training in the last project. You will mobilize all your skills and knowledge to finish, in team, your own web development project. This is time for you to put everything you learnt together, front end, back end, and build a strong user experience full stack web application. You will go through your project in order to finalize your project, and present it to the others. This will be part of your Portfolio when looking for jobs !

YOU ARE CLOSE TO CHANGE YOUR LIFE AND ENTERING A NEW WORLD OF POSSIBILITIES...

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