Pink Summer of Code

Course Content

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Overview

This course is meant to cover the fundamentals of web development. This consists of and introduction to HTML5, CSS & JavaScript. The course is designed to last for 4 weeks

Week 1

HTML & CSS Basics

AUG 03 - AUG 04

This lesson will cover the basics of HTML & CSS. By building an animal trading card, you will get familiar with common html and css concepts.

What you will learn

- HTML Structure
- HTML5 Structural elements such as, <header>, <nav>, <section> etc.
- Text based Elements e.g headings, paragraphs.
- CSS Terms such selectors, properties and values.
- Combining Selectors, Layering styles with multiple classes.

What to do

Build a simple animal trading card that show details of your favourite animal

Week 2

Advanced HTML & Some More CSS

AUG 10 - AUG 11

In this lesson, we cover even more html elements and css styles in a bid to get a deeper understanding of both languages and how they work

What you will learn

- Html Forms
- Html Media such as video, audio etc.
- Html List and Tables.
- CSS Website layout

What to do

Create a simple User form to collect different sets of data, for the different students.

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Week 3

Responsive Web Design

AUG 17 - AUG 18

In this lesson, we will learn how to make web pages responsive. We will create pages that can be viewed optimally on both computers and mobile devices

What you will learn

- CSS Transitions
- CSS Animations
- Media Queries
- Responsive Web Design Media Queries
- Media Queries for menus

What to do

Create a simple portfolio site for yourself.

Week 4

Introduction to JavaScript

AUG 24 - AUG 25

In this lesson, we will learn the fundamentals of programming with JavaScript and also learn how to manipulate web pages using JavaScript

What you will learn

- Introduction to Programming
- JS Statements
- JS Syntax
- JS Variables
- JS Operators
- Adding JavaScript to Html Page
- JavaScript Events

What to do

We will add some amazing functionalities to our portfolio websites from week 3

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