

CITINDIA.IN

**: Syllabus, Theory & Practical :**

**“FSWD Foundation”**

Full Stack Web Development

CITINDIA.IN

# -: Syllabus :-

## ➤ Chapter 1: System Basics

- Introduction to SWE
- OS-Application Layer
- Platforms (Device w/ OS)
- Project Setup (Template)
- File, Folder, Explorer, Properties
- Browser & Search Engine
- IDE (VS Code) Download, Install & Configuration
- VS Code Check-up and Clean-up (Revo)

## ➤ Chapter 2: HCB Foundation

- Introduction to HTML5, CSS3 and Bootstrap 5
- HTML5 Semantic, Non-Semantic tags & Attributes
- CSS3 Classes, Properties and Values
- HTML5, CSS3 & BS5 Working Walkthrough
- HCB Project Template Setup and Use

## ➤ Chapter 3: HCB Demonstration

- Font/Text (Elements, Color, Size, Style, Alignment)
- Background (Color, Gradient, Image, Overlay)
- Layout (Flex, Grid, Row, Column)
- Media (Image, Audio, Video)
- Input (Type, Attributes, Style)
- Link & Button (Type, Attributes, Style)

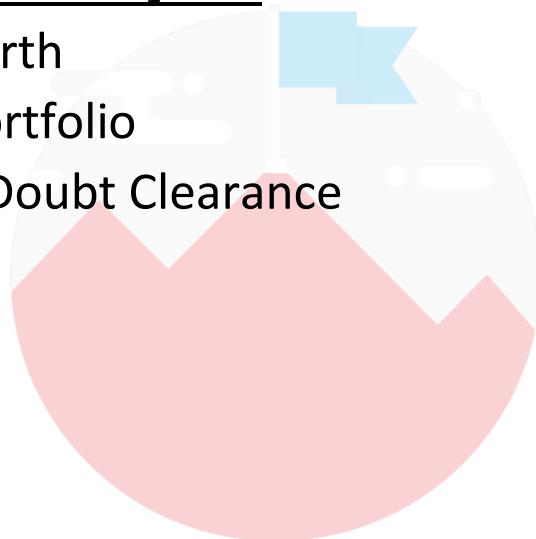
- SVG Icons (OSS)

➤ **Chapter 4: HCB Practicals**

- 8+ Practicals
- Practical's Doubt Clearance

➤ **Chapter 4: HCB Projects**

- Project Earth
- Project Portfolio
- Project's Doubt Clearance



# -: Theory :-

## Chapter 1: System Basics

### Topic: Introduction to Software Engineering

Software engineering combines **computer science** and **engineering** to build software people use. Engineers design, write, test, deploy, and maintain apps and systems. They apply **engineering principles** and **programming skills** to create reliable, high-quality software that solves real problems.

### Topic: Platforms (Device w/ OS)

“**Platform**” is a term which use to define a combination of an **Operating System** with a **Device (Hardware)** Type. Ex. Android Platform, Windows Platform, IOS Platform.

### Topic: Browser & Search Engine

**Browser:** A **browser** is a software/application, where we can **visit/open/run** websites and web applications by their **URL/address**. Ex. Chrome (Google), Edge (Microsoft), Firefox (Mozilla).

Search Engine: A **search engine** is system where we can find **information** and **URL/address** of websites and web applications. Ex. Search (Google), Bing (Microsoft), Brave Search (Brave), Private Search (DuckDuckGo).

## Topic: Integrated Development Environment

IDE: An **IDE** is a software/application, which helps and gives us an **editor** where we can **write code**. It also provides us features like **syntax highlighting**, **auto-completion**, **error detection** and some **development tools**.

## Chapter 2: HCB Foundation

## Topic: Introduction to HTML5, CSS3 and Bootstrap 5

HTML5: HTML5 is the fifth major version of the **Hypertext Markup Language (HTML)**. It is used to **build/structure** the **Ui elements/contents** of websites and web applications.

CSS3: CSS3 (Cascading Style Sheets Level 3) is the current evolution of **CSS (Cascading Style Sheets)**. It is used to **style the HTML elements/contents** of websites and web applications to make it visually rich.

BS5: Bootstrap is a prebuilt CSS classes and components framework for websites. BS5 is the fifth major and current evolution/version of the **Bootstrap**.

## Topic: HTML5 Semantic, Non-Semantic & Attributes

HTML Tags: Tags are the main **unit/elements** of coding in **HTML**. There are two types of tags in HTML.

Semantic and Non-Semantic tags:

Semantic: Tags which have **internal meaning** & type of the content for the Browser, are called **Semantic** tags. All the tags except for div and span are semantic.

Non-Semantic: Tags which don't have any internal meaning for the Browser & act as **generic containers**, are called **non-semantic** tags. Only the div and span are non-semantic.

HTML Attributes: By which we provide **additional information** to the **HTML tags** are called Attributes. Ex. id, class name etc.

## Topic: CSS3 Classes, Properties and Values

CSS3 Classes: CSS3 classes are **reusable selectors** which we attach to HTML tags to **apply styles**. They let us style multiple elements **consistently** and keep CSS **modular** and maintainable.

Example: Prefixed with “.” in CSS and added to HTML via class="name".

### Properties and Values:

Properties: CSS Properties are the named style rules (like color, size). In short which **type of style**, we want to apply.

Values: **Values** are the **specific** settings we assign to CSS **properties** for its look or behavior.

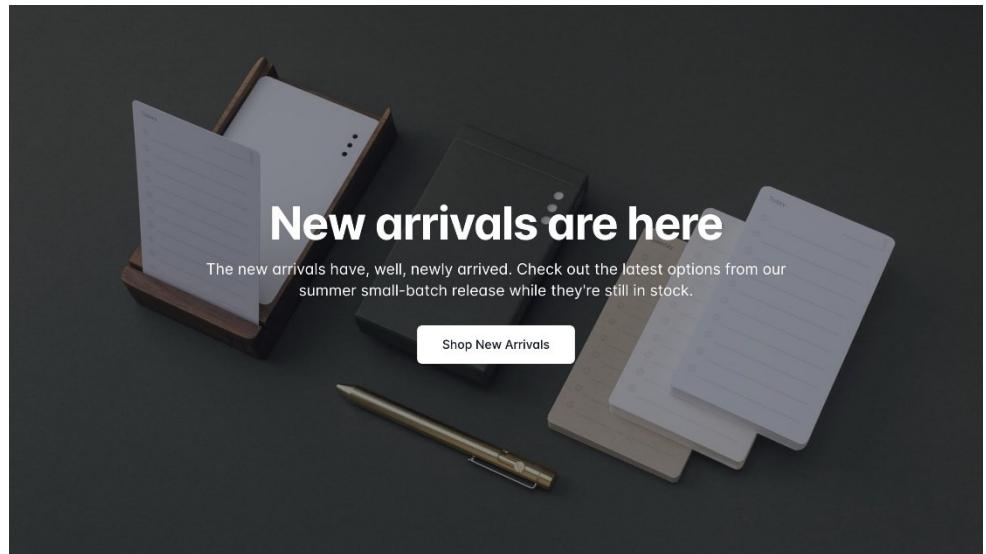
Example: “font-size: 2rem;”.

Full Example: .text-red { color: red }



# -: HCB Practicals :-

## Practical: 01



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Teacher's Signature on Complete

## Practical: 02

### Our Favorites

[Browse all favorites →](#)



Black Basic Tee  
\$32



Off-White Basic Tee  
\$32



Mountains Artwork Tee  
\$36

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Teacher's Signature on Complete

## Practical: 03

Everything you need

### No server? No problem.

*Lore ipsum, dolor sit amet consectetur adipisicing elit. Maiores impedit  
perferendis suscipit eaque, iste dolor cupiditate blanditiis.*

 **Push to deploy.** Lorem ipsum, dolor sit amet consectetur adipisicing elit autem id magna.

 **Advanced security.** Iure sed ab. Aperiam optio placeat dolor facere. Officiis pariatur eveniet atque et dolor.

 **SSL certificates.** Anim autem id magna aliqua ad non deserunt sunt. Qui irure qui lorem cupiditat commodo.

 **Powerful API.** Laudantium tempora sint ut consectetur ratione. Ut illum ut rem numquam fuga delectus.

 **Simple queues.** Ac tincidunt sapien vehicula erat auctor pellentesque rhoncus voluptas blanditiis et.

 **Database backups.** Culpa dolorem voluptatem velit autem rerum qui et corrupti. Quibusdam quo placeat.

## Practical: 04

Teacher's Signature on Complete

### Stay on top of customer support



#### Spam report

Autem reprehenderit aut debitis ut. Officiis harum omnis placeat blanditiis delectus sint vel et voluptatum.



#### Compose in markdown

Illum et aut inventore. Ut et dignissimos quasi. Omnis saepe dolorum. Hic autem fugiat. Voluptatem officiis necessitatibus.



#### Email commenting

Commodi quam quo. In quasi mollitia optio voluptate et est reiciendis. Ut et sunt id officiis vitae perspiciatis.



#### Customer connections

Deserunt corrupti praesentium quo vel cupiditate est occaecati ad. Aperiam libero modi similique iure praesentium facilis.

Teacher's Signature on Complete

## Practical: 05

Deploy faster

# Everything you need to deploy your app

Quis tellus eget adipiscing convallis sit sit eget aliquet quis. Suspendisse eget egestas a elementum pulvinar et feugiat blandit at. In mi viverra elit nunc.



### Push to deploy

Morbi viverra dui mi arcu sed. Tellus semper adipiscing suspendisse semper morbi. Odio urna massa nunc massa.



### SSL certificates

Sit quis amet rutrum tellus ullamcorper ultricies libero dolor eget. Sem sodales gravida quam turpis enim lacus amet.



### Simple queues

Quisque est vel vulputate cursus. Risus proin diam nunc commodo. Lobortis auctor congue commodo diam neque.



### Advanced security

Arcu egestas dolor vel iaculis in ipsum mauris. Tincidunt mattis aliquet hac quis. Id hac maecenas ac donec pharetra eget.



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Teacher's Signature on Complete

## Practical: 06



Anim aute id magna aliqua ad ad non deserunt sunt. [Read more →](#)

# Data to enrich your business

Anim aute id magna aliqua ad ad non deserunt sunt.  
Qui irure qui lorem cupidatat commodo. Elit sunt amet  
fugiat veniam occaecat.

[Get started](#)

[Learn more →](#)



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Teacher's Signature on Complete

## Practical: 07

# Simple no-tricks pricing

Distinctio et nulla eum soluta et neque labore quibusdam. Saepe et quasi iusto modi velit ut non voluptas in. Explicabo id ut laborum.

### Lifetime membership

Lorem ipsum dolor sit amet consectetur etur adipisicing elit. Itaque amet indis perferendis blanditiis repellendus etur quidem assumenda.

#### What's included

- |                              |                           |
|------------------------------|---------------------------|
| ✓ Private forum access       | ✓ Member resources        |
| ✓ Entry to annual conference | ✓ Official member t-shirt |

Pay once, own it forever

**\$349** USD

[Get access](#)

Invoices and receipts available for easy company reimbursement



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Teacher's Signature on Complete

## Practical: 08

# Pricing that grows with you

Choose an affordable plan that's packed with the best features for engaging your audience, creating customer loyalty, and driving sales.

[Monthly](#) [Annually](#)

### Freelancer

The essentials to provide your best work for clients.

**\$19** /month

[Buy plan](#)

- ✓ 5 products
- ✓ Up to 1,000 subscribers
- ✓ Basic analytics
- ✓ 48-hour support response time

### Startup

[Most popular](#)

A plan that scales with your rapidly growing business.

**\$29** /month

[Buy plan](#)

- ✓ 25 products
- ✓ Up to 10,000 subscribers
- ✓ Advanced analytics
- ✓ 24-hour support response time
- ✓ Marketing automations

### Enterprise

Dedicated support and infrastructure for your company.

**\$59** /month

[Buy plan](#)

- ✓ Unlimited products
- ✓ Unlimited subscribers
- ✓ Advanced analytics
- ✓ 1-hour, dedicated support response time
- ✓ Marketing automations
- ✓ Custom reporting tools

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Teacher's Signature on Complete

## -: HCB Projects :-

### Project Earth

A modern, responsive web design agency website built with Bootstrap 5, showcasing professional web design, graphic design, and content creation services with smooth animations and a clean, professional design.

Go to > <https://github.com/citindia/bs5-project-earth>



**EARTH**

ENDLESS POTENTIAL

Explore

**Web Design**  
Custom web design for small businesses, we help you capture new audiences and increase your sales.

**Graphic Design**  
Logos, merchandise and more. Anyone can create nice graphics. We think it's better to create memorable ones.

**Content Creation**  
Want to attract people to your website? You have to have the best content in the world. That's what we do.

**ABOUT US**  
I made it so it is super easy to update and so that it flows perfectly with my tutorials. Lots of love and hundreds of hours went into making it. I hope you love it as much as I do. I wish you the best of luck with your business, enjoy the adventure.

**TALK TO US**

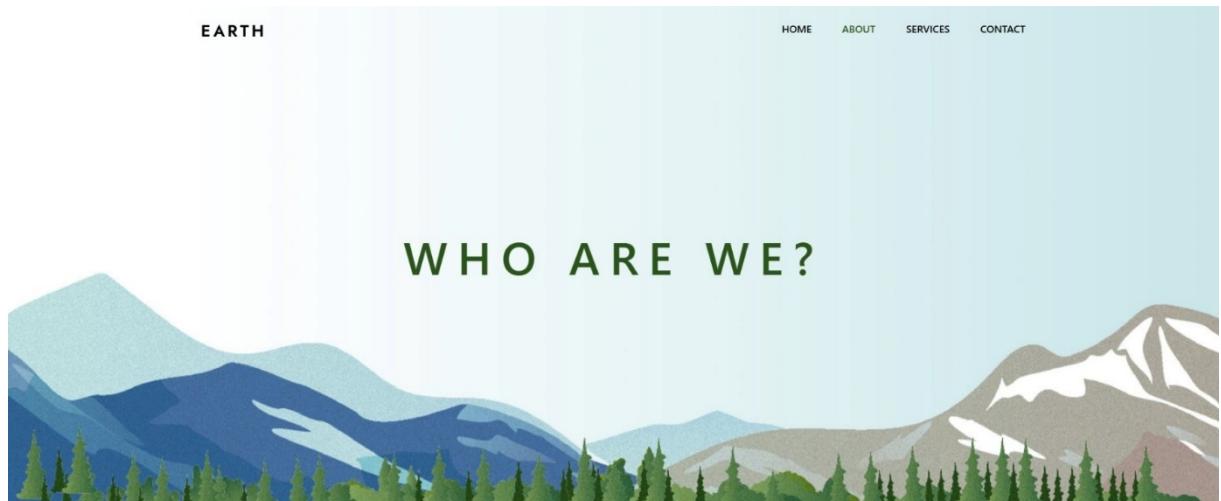
Have any questions? We are always open to talk about your business, new projects, creative opportunities and how we can help you.

Get In Touch

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**EARTH**

HOME ABOUT SERVICES CONTACT

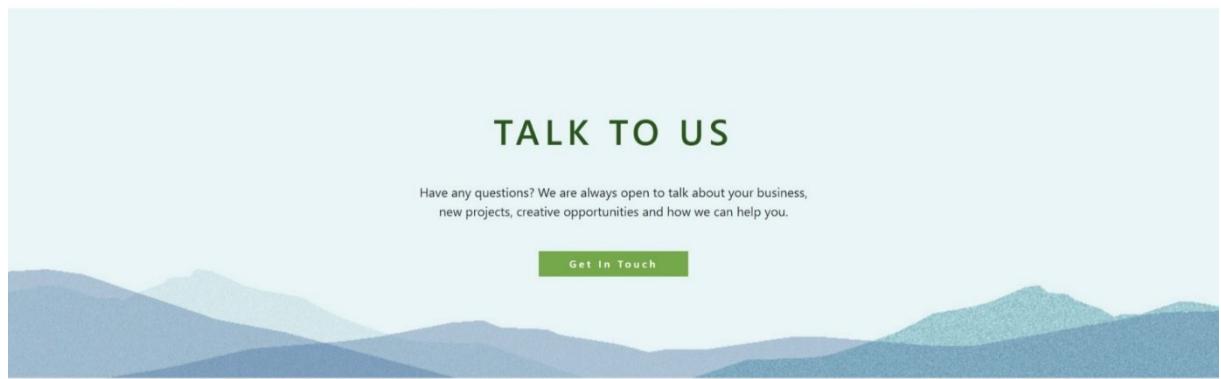
## WHO ARE WE?



### OUR MISSION

Hello, my name is Tyler Moore and with the help of many people I made this template. I made it so it is super easy to update and so that it flows perfectly with my tutorials. Lots of love and hundreds of hours went into making it. I hope you love it as much as I do.

I wish you the best of luck with your business, enjoy the adventure.

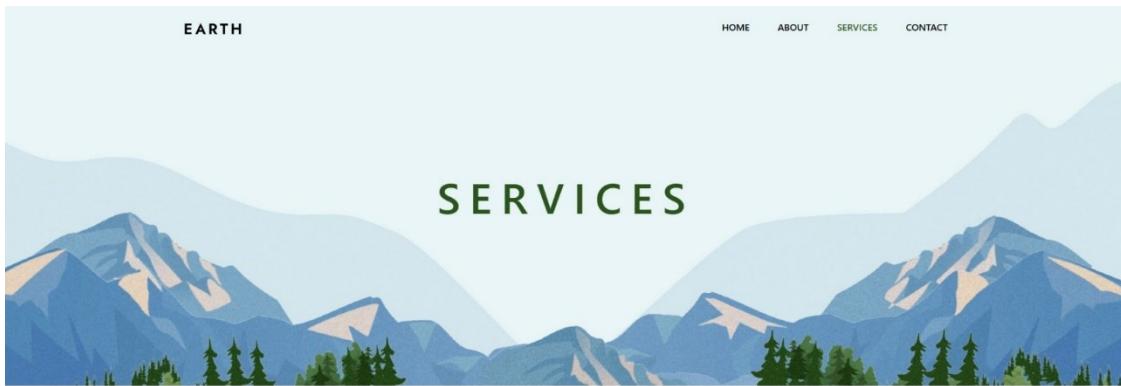


## TALK TO US

Have any questions? We are always open to talk about your business, new projects, creative opportunities and how we can help you.

[Get In Touch](#)

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### Graphic Design

We specialize in logos, merchandise and more. Anyone can create nice graphics but it's much better to create memorable ones. Contact us by calling, emailing or filling out our form. You will receive a free quote by email within 24 hours.

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### Web Design

We create custom web design for small businesses, this will help you capture new audiences and increase your sales. Contact us by calling, emailing or filling out our form. You will receive a free quote by email within 24 hours.

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### Content Writing

Want to attract people to your website? You have to have the best content in the world. Our content writers will create award winning content for you. Contact us by calling, emailing or filling out our form. You will receive a free quote by email within 24 hours.

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## TALK TO US

Have any questions? We are always open to talk about your business, new projects, creative opportunities and how we can help you.

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HOME ABOUT SERVICES CONTACT

## CONTACT US

**Get In Touch**

Your Name  
Phone Number  
Email  
Message

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Follow Us: [Facebook](#) [Twitter](#) [Instagram](#) [LinkedIn](#)

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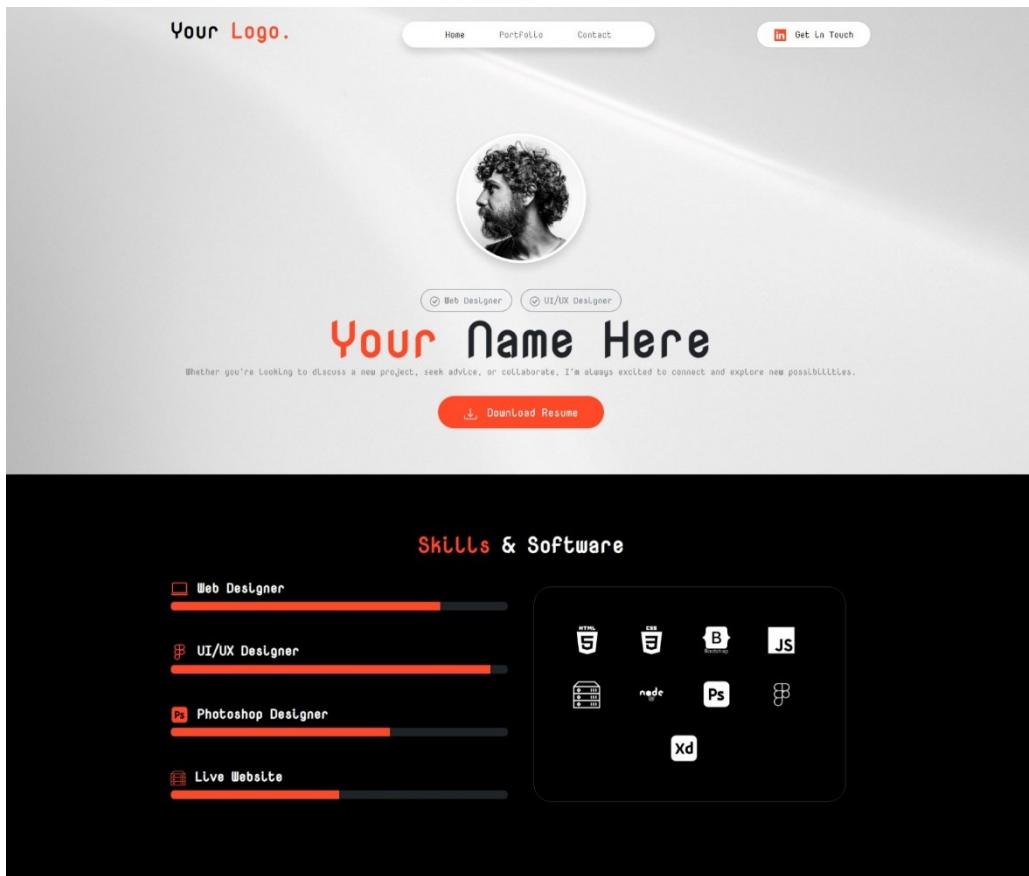
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## Project Portfolio

A modern, responsive personal portfolio website built with Bootstrap 5, showcasing professional skills, projects, and personal achievements with smooth animations and a clean, professional design.

Go to > <https://github.com/citindia/bs5-project-portfolio>





## Portfolio



**Kaso - YC Combinator Platform**

Kaso VC (Formerly ELKaso) is an online B2B platform that facilitates order processing and communication between restaurants and suppliers.

[Go somewhere](#)



**Kaso - YC Combinator Platform**

Kaso VC (Formerly ELKaso) is an online B2B platform that facilitates order processing and communication between restaurants and suppliers.

[Go somewhere](#)



**Contact me**

Interested in discussing design, sharing ideas, or exploring innovations in product design? Feel free to reach out! Let's keep the conversation going.

[In Get In Touch](#)

**Let's Stay Connected**

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 yourmail@domain.in

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