

CRAFT 404

Introduction to Web Development



Who am I ?

Hey, I'm Akshat Bhanchawat

A person passionate about creatively leveraging technology to build applications with perfection. A JavaScript lover, a freelance developer, a tech blogger, a SEOClerks Level X certified member, an ex-contributor to the YU Yureka's custom ROMs developer group and Advisory Technical Head at SIAM VIT



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What's the plan?

- 1 What is Web Development?
- 2 Internet and Servers
- 3 Glance at Web Technologies
- 4 The Web Developer Roadmap
- 5 Introduction to HTML
- 6 Introduction to CSS
- 7 Introduction to JavaScript
- 8 Hands-on Project
- 9 Bonus 1 - Version Control
- 10 Bonus 2 - Hosting Your Website
- 11 Bonus 3 - Premium Resources for Free

Before we move on..

Download this presentation - MUST

Download Important Files for HandsOn Session

Download and install VS Code

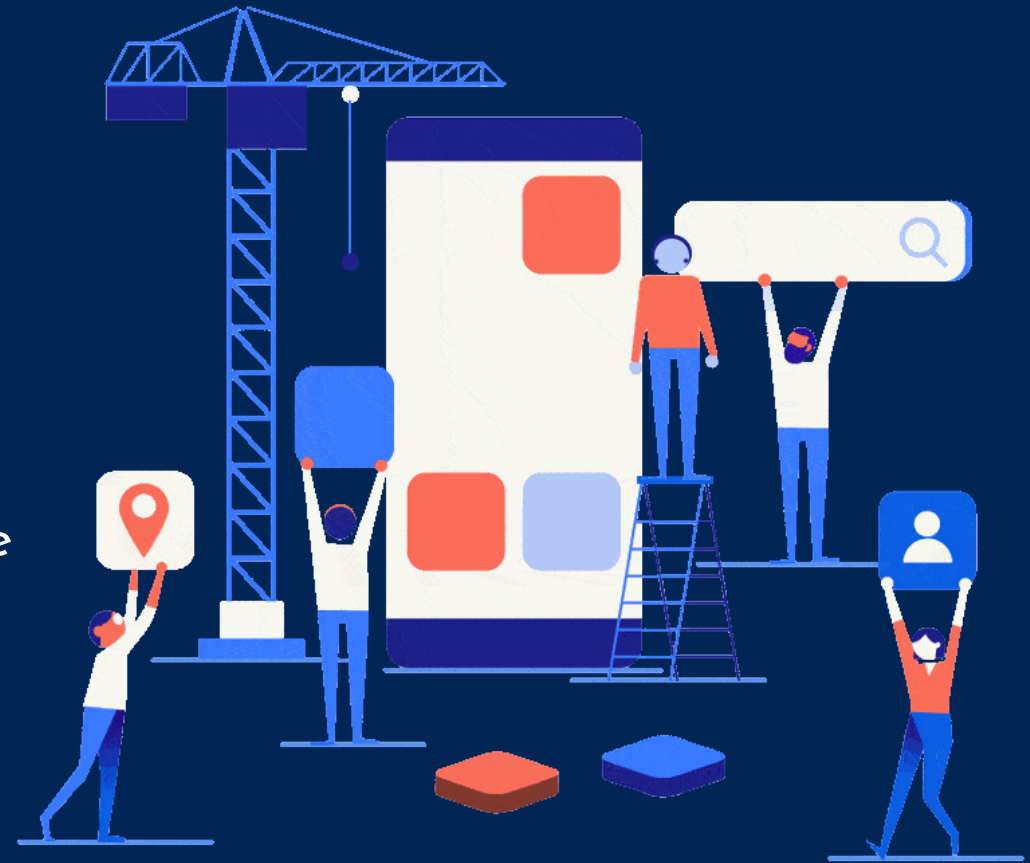
Download and install Git

What is Web Development?

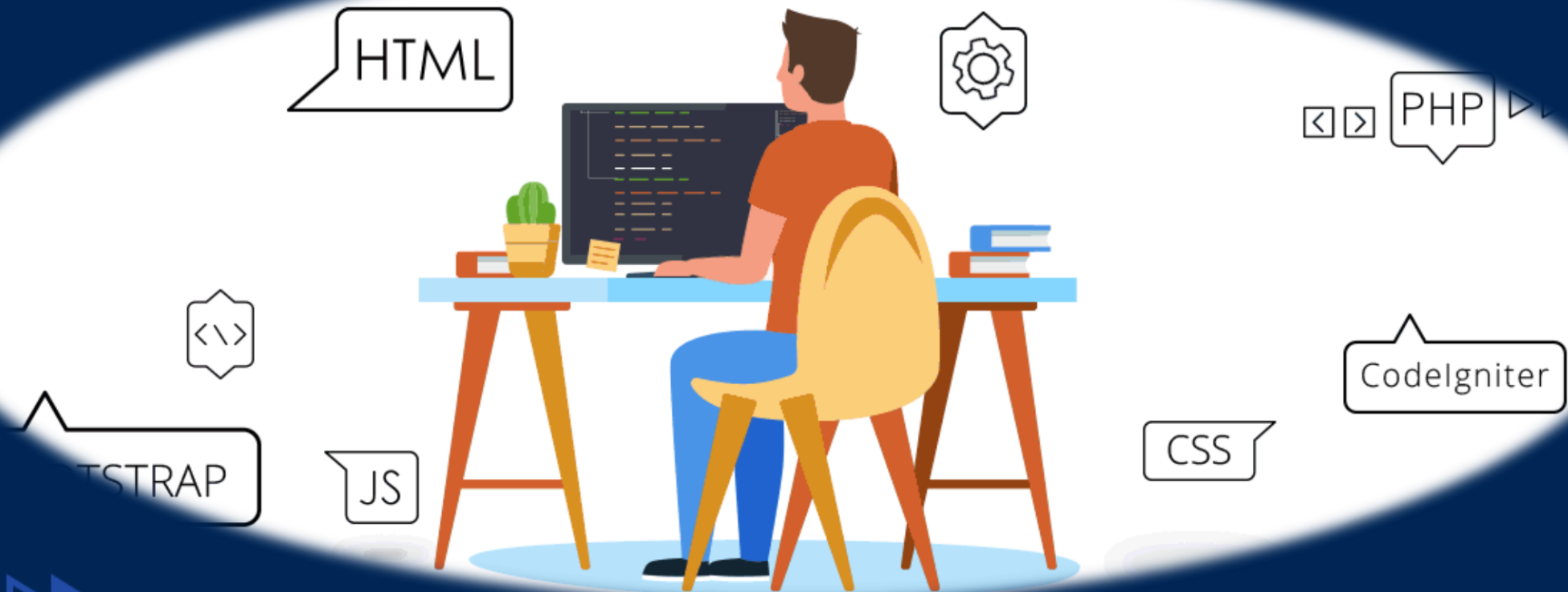
Development of Websites and Web Applications

Huh.. Come on!!

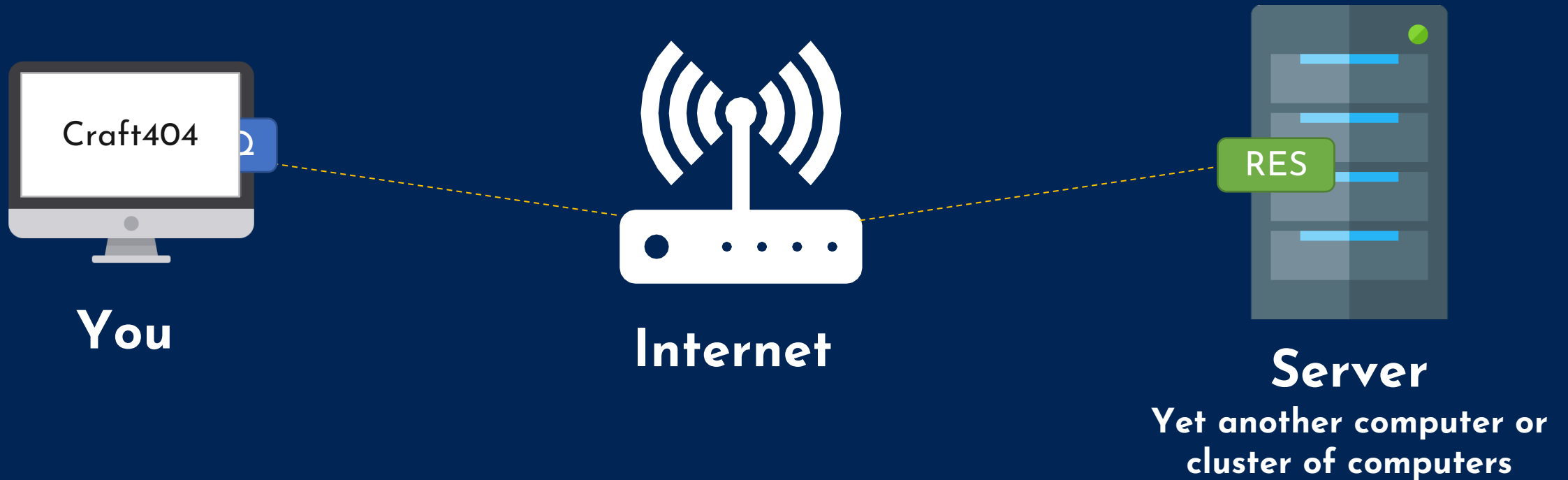
Well, a developer is a person who converts coffee into code. And, a web developer writes that code for web applications.



Converting coffee to code

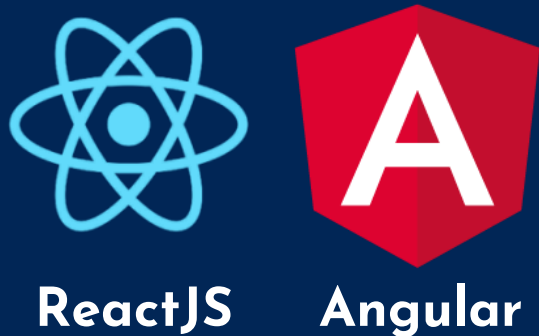


Internet and Server



Web Technologies

Frontend



Backend



Database



PostgreSQL

Others



The Web Developer Roadmap

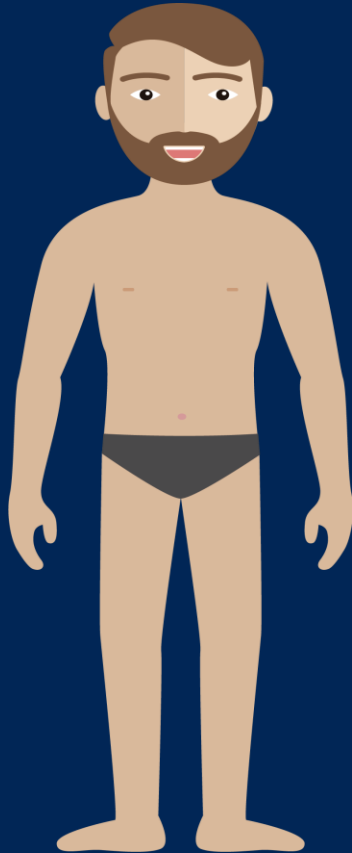
Frontend

Backend

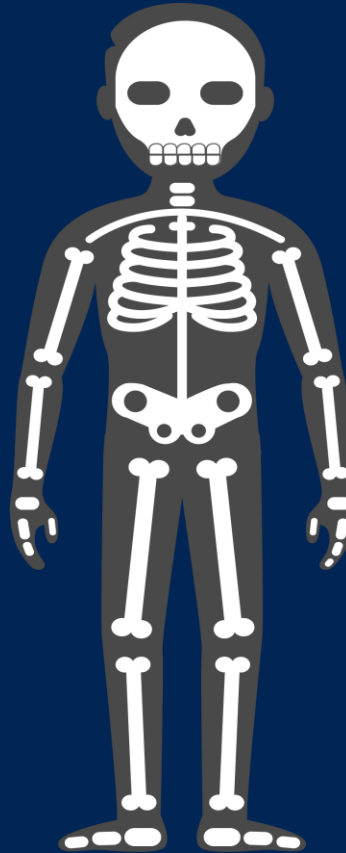
DevOps

And so on...

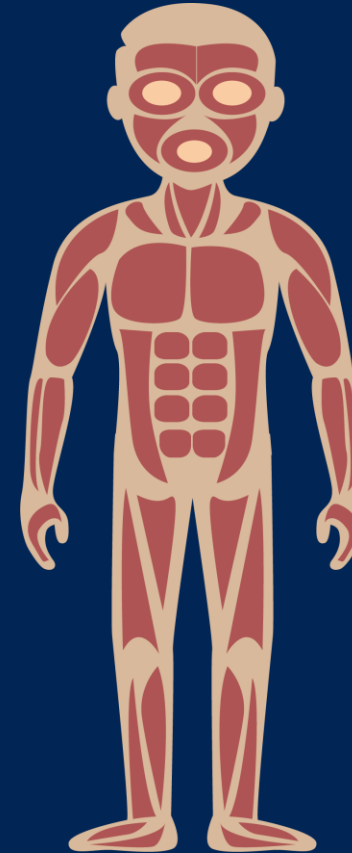
Analogy - HTML, CSS, JS



CSS



HTML



JavaScript

Introduction to HTML (.html or .htm)

HyperText Markup Language

Things you need to know:

- HTML Elements/Tags

`<hey> --Content Here-- </hey>`

- HTML Attributes

`<hey name="Craft404">How are you!</hey>`

- HTML Class/id

Class: `<hey class="not-unique"></hey>`

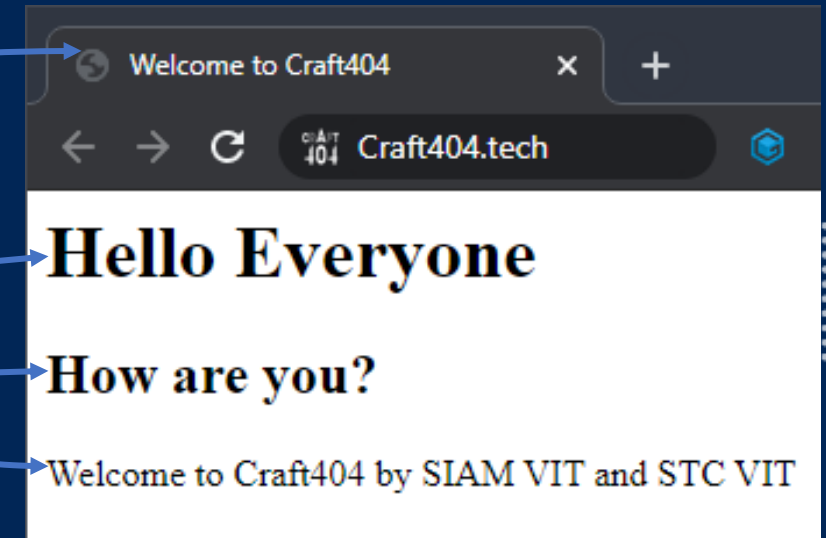
ID: `<hey id="unique"></hey>`

HTML



Basic HTML Structure

```
1 <html>
2   <head>
3     <title> Welcome to Craft404 </title>
4   </head>
5   <body>
6     <h1 class="primary"> Hello Everyone </h1>
7     <h2 id="subheading"> How are you? </h2>
8     <p class="primary"> Welcome to Craft404 by SIAM VIT and STC VIT </p>
9   </body>
10 </html>
```



Introduction to CSS (.css)

Cascading Style Sheets

Give styles to HTML and makes HTML Presentable

In other words, add colours and charm to the
monotonic life of HTML

So, the next time you propose a frontend web
developer, use this pick-up line:

“YOU ARE **CSS** TO MY **HTML**”

CSS



Basic CSS Structure

```
1 /* Targeting an element */
2 body {
3   background-color: black;
4 }
5 /* Targeting a Class */
6 .primary {
7   color: green;
8   text-decoration: underline;
9 }
10 /* Targeting an ID */
11 #subheading {
12   color: white;
13 }
```

```
1 <html>
2   <head>
3     <title> Welcome to Craft404 </title>
4   </head>
5   <body>
6     <h1 class="primary"> Hello Everyone </h1>
7     <h2 id="subheading"> How are you? </h2>
8     <p class="primary"> Welcome to Craft404 by SIAM VIT and STC VIT </p>
9   </body>
10 </html>
```

Hello Everyone

How are you?

Welcome to Craft404 by SIAM VIT and STC VIT

Beware!!

One wrong line in CSS and your whole design breaks



```
1 #moustache {  
2   position: bottom;  
3   align: center;  
4 }
```



Introduction to JavaScript (.js)

Makes the HTML interactive!

Acts as VERB to the HTML

JS is one of the most controversial yet most amazing language. Click below to know more..

It's a Date! How I Fell in Love with JavaScript



A basic JS demonstration

```
1 <html>
2   <head>
3     <title> Welcome to Craft404 </title>
4     <link rel="stylesheet" href="style.css">
5   </head>
6   <body>
7     <h1 class="primary"> Hello Everyone </h1>
8     <h2 id="subheading" onclick="hideMe()"> How are you? </h2>
9     <p class="primary"> Welcome to Craft404 by SIAM VIT and STC VIT </p>
10    <script>
11      function hideMe(){
12        document.getElementById("subheading").style.display="none";
13      }
14    </script>
15  </body>
16 </html>
```

Hello Everyone

How are you?

Welcome to Craft404 by SIAM VIT and STC VIT



Time to get hands dirty!



Web Page Structure

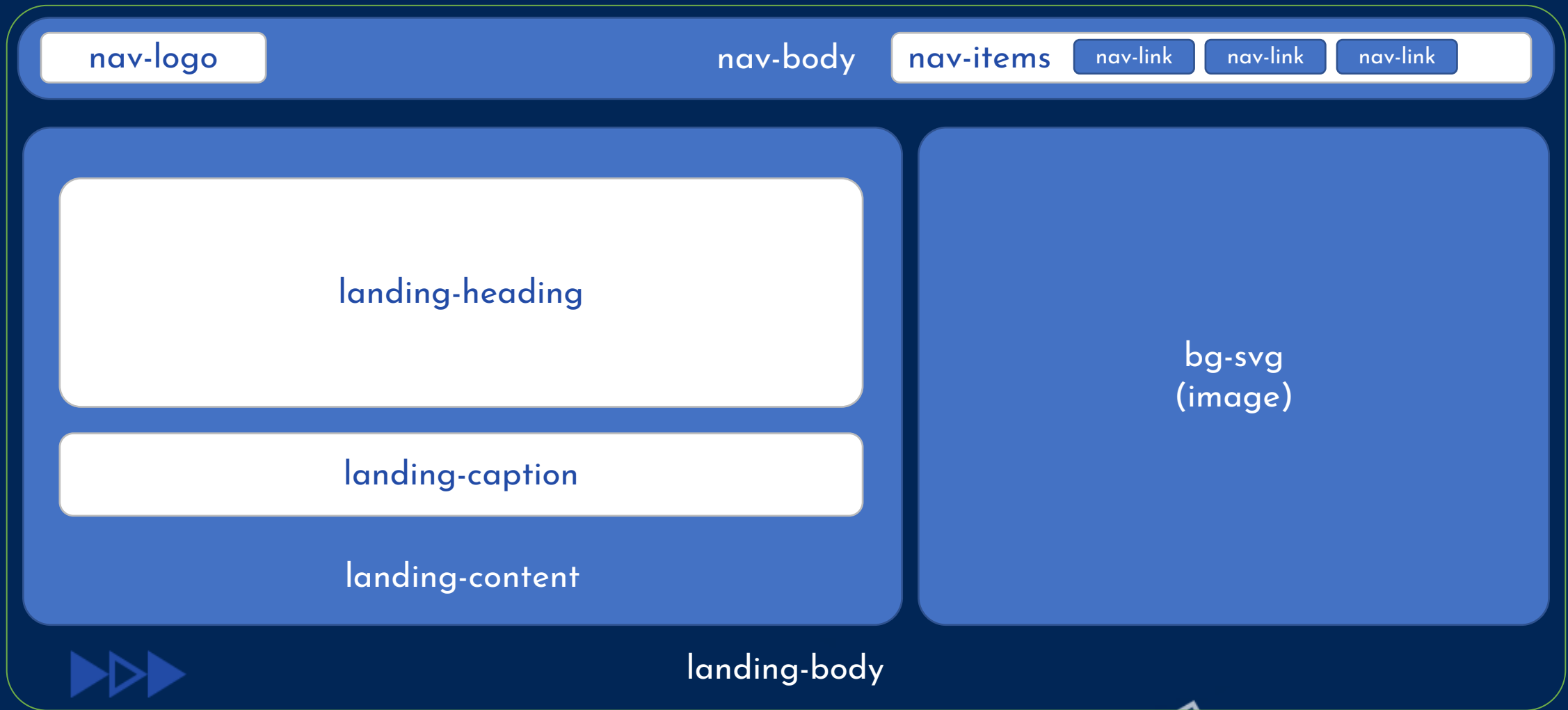
Landing Section

Featured Recipe Section

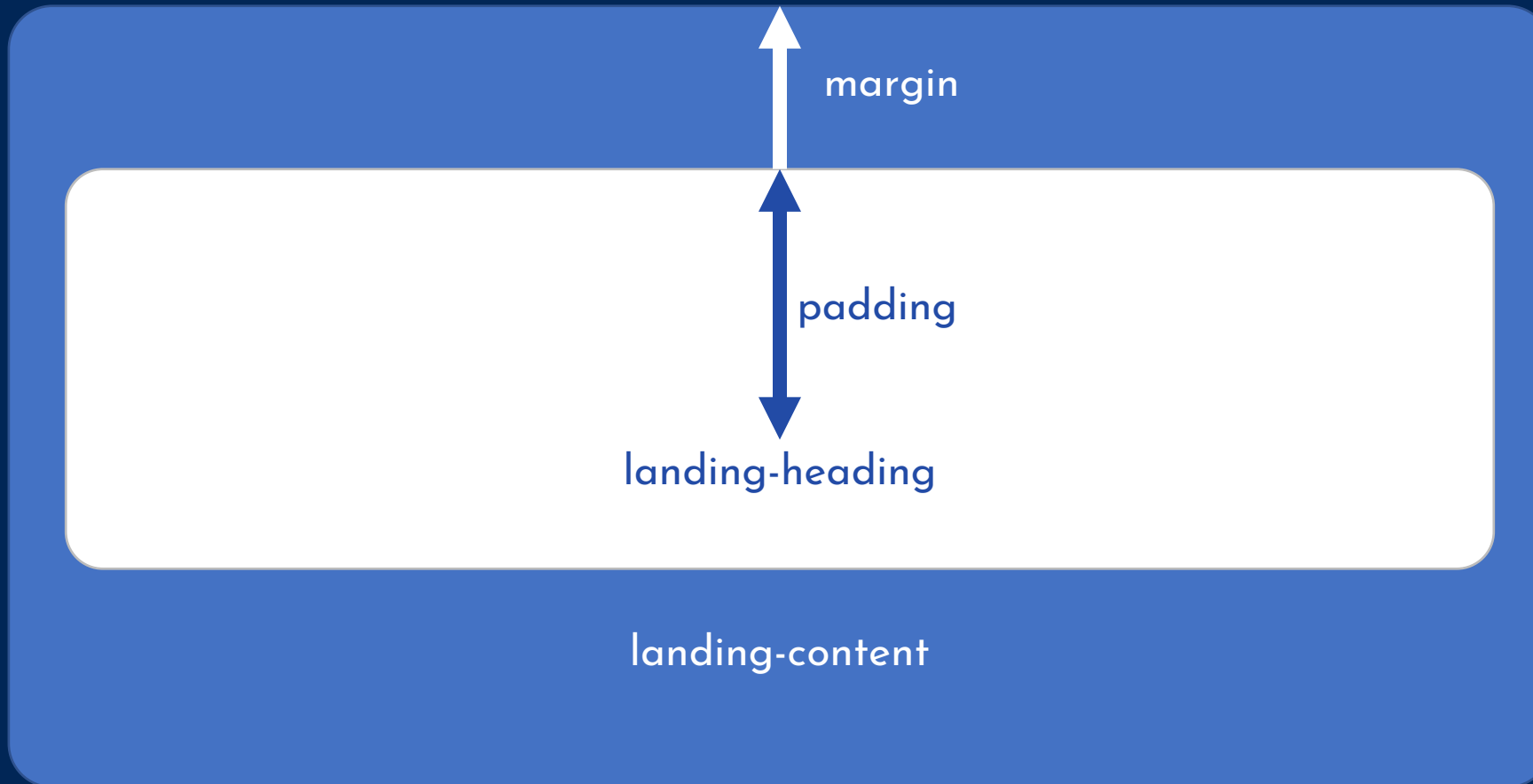
Tricks Section

Footer

Landing Section



Padding v/s Margin



Let's Start..



Bonus 1 : Version Control



```
$ git config --global user.name "Akshat Bhanchawat"  
$ git config --global user.email akshat112@gmail.com
```



Bonus 2 : Hosting Your Website

1. Create an account on [GitHub](#)
2. Create a [New Repository](#)
3. Commit and Push Changes on your Repository (Hands on)
4. Go to settings tab and enable GitHub Pages for main branch
5. Check your website 😊

Bonus 3 : Free Premium Resources

[Click here to get GitHub Student Pack](#)

What's next..



The Web Developer
Bootcamp by Colt
Steele



FreeCodeCamp

w3schools.com

W3 Schools

Hmm that's it. Even I hate saying bye..

Let's Connect!



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thank
you!