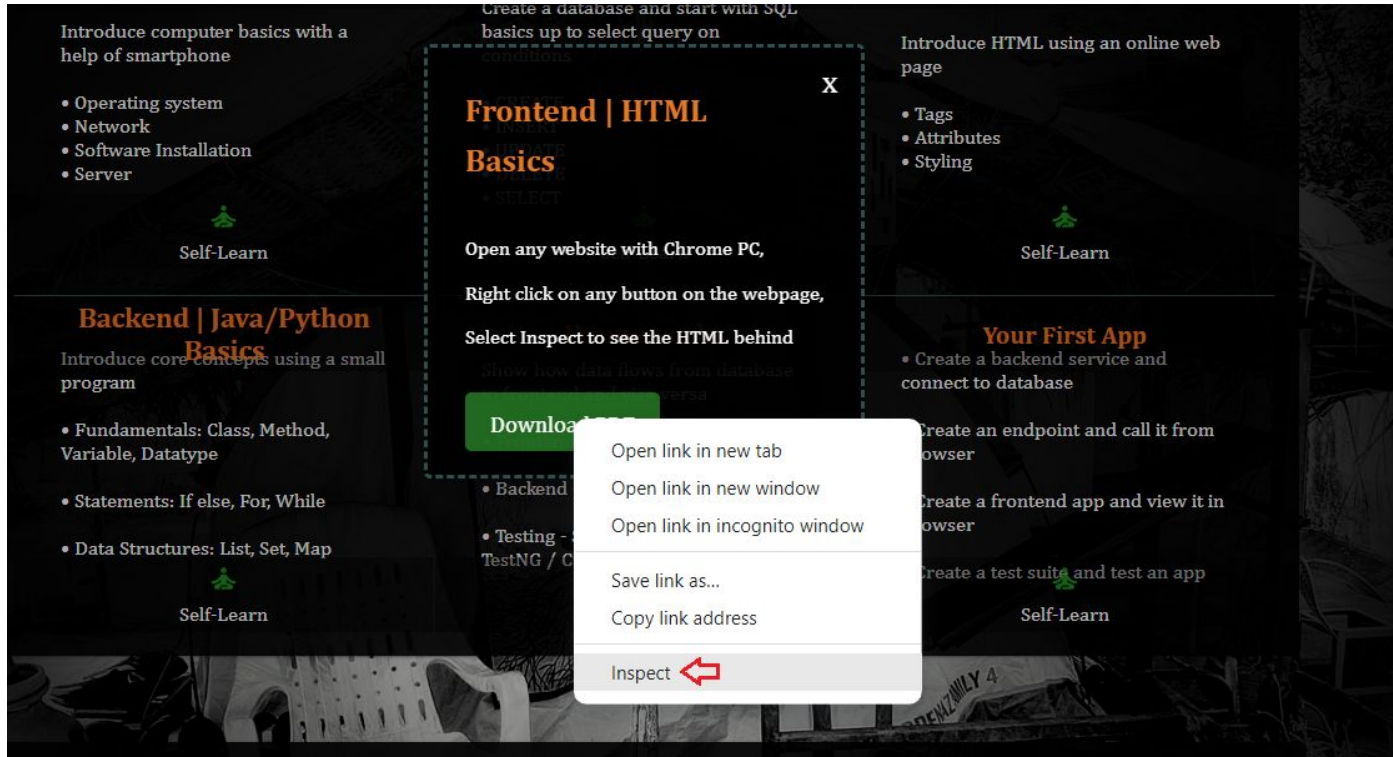


**You downloaded this document
clicking on an HTML button**

Understanding the HTML basics

Open the site in Chrome PC - www.vibranthive.in/roadmap and inspect the 'Download PDF' button by right clicking on it.



Any modification on the HTML tags and Styling will be reflected immediately. Play with it.

ROADMAP

WEB-PAGE

Database | SQL Basics

Create a database and start with SQL basics up to select query on conditions

Frontend | HTML Basics

Introduce HTML using an online web page

- Tags
- Attributes
- Styling

Self-Learn

Frontend | HTML Basics

Open any website with Chrome PC, Right click on any button on the webpage, Select Inspect to see the HTML behind

92.74 x 16.8

Download PDF

- Backend - Spring Boot / Django
- Testing - Selenium / Cypress / TestNG / Cucumber

Self-Learn

Your First App

- Create a backend service and connect to database
- Create an endpoint and call it from browser
- Create a frontend app and view it in browser
- Create a test suite and test an app

Self-Learn

HTML TAGS

```
<div _ngcontent-muc-c124 mat-dialog-content dialog"></div>
<div _ngcontent-muc-c124 mat-dialog-actions">
  <flex>
    <button _ngcontent-muc-c124 mat-button mat-button-base ng-style="background-color: rgba(34, 139, 34, 0.7);">
      <span class="mat-button-wrapper">
        <a _ngcontent-muc-c124 style="text-decoration: none; color: white; font-weight: bold;" href="https://www.geogebra.org/m/1234567890" download="youDownloadedThisDocument.pdf" href="#">Clicking On An HTML Button; .pdf</a>
      </span>
    </button>
  </flex>
</div>
```

STYLING

```
.mat-button .mat-button-wrapper>*, .mat-flat-button .mat-button-wrapper>*, .mat-stroked-button .mat-button-wrapper>*, .mat-icon-button .mat-button-wrapper>*, .mat-mini-fab .mat-button-wrapper> {
  vertical-align: middle;
}
a {
  color: white;
```

Use Arrow Buttons or Mouse to select any element which gets highlighted with more clarity on its size & position.

The screenshot shows a web page with a dark background and a grid layout. A Chrome DevTools overlay is visible on the left side, showing the 'Inspect' tool. The selected element is a blue box with the text 'Frontend | HTML Basics'. The overlay shows the element's bounding box as 282.59 x 278.4. Below the box, there is a 'Download PDF' button. The page content includes a 'ROADMAP' section, a 'Frontend | HTML Basics' section, and a 'Your First App' section. The 'Your First App' section lists three steps: 'Create a backend service and connect to database', 'Create an endpoint and call it from browser', and 'Create a test suite and test an app'. Each step has a 'Self-Learn' button below it.

ROADMAP

mat-dialog-container#mat-dialog-5.mat-dialog-container.ng-tns-c118-11.ng-trigger.ng-trigger-dialogC... 282.59 x 278.4

Frontend | HTML Basics

Open any website with Chrome PC,

Right click on any button on the webpage,

Select Inspect to see the HTML behind

Download PDF

• Backend - Spring Boot / Django

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Self-Learn

Frontend | HTML Basics

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Self-Learn

Your First App

- Create a backend service and connect to database
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- Create a test suite and test an app

Self-Learn

```
<div id="cdk-overlay-5" class="cdk-overlay-pane" style="position: static;">
  <div tabindex="0" class="cdk-visually-hidden cdk-focus-area-hidden="true"></div>
  ...
  <mat-dialog-container tabindex="-1" aria-modal="true" dialog-container ng-tns-c118-11 ng-trigger ng-trigger-dialog-star-inserted" id="mat-dialog-5" role="dialog" aria-label="mat-dialog-title-5" style="transform: none;">
    <app-dialog _ngghost-muc-c124 class="ng-star-inserted" dialog>
      <!--bindings=
        "ng-reflect-portal": ""
      -->
    </mat-dialog-container>
    <div tabindex="0" class="cdk-visually-hidden cdk-focus-area-hidden="true"></div>
  </div>
</div>

... t-dialog-container.ng-tns-c118-11.ng-trigger.ng-trigger-dialogContainer.ng-tns-c118-11

Styles Computed Layout Event Listeners DOM Breakpoints Properties
Filter :hov .cdk-visually-hidden

.mat-dialog-container {
  display: block;
  padding: 24px;
  border-radius: 4px;
  box-sizing: border-box;
  overflow: auto;
  outline: 0;
  width: 100%;
  height: 100%;
  min-height: inherit;
  max-height: inherit;
```

Modify the style of a tag and check how UI responds.

Database | SQL Basics

Create a database and start with SQL basics up to select query on conditions

Frontend | HTML Basics

Introduce HTML using an online web page

- Tags
- Attributes
- Styling

Self-Learn

Your First App

- Create a backend service and connect to database
- Create an endpoint and call it from browser
- Create a frontend app and view it in browser
- Create a test suite and test an app

Self-Learn

Frontend | HTML Basics

Open any website with Chrome PC,

Right click on any button on the webpage,

Select Inspect to see the HTML behind

Show how data flows from database

Download PDF

Green to Red

- Backend - Spring Boot / Django
- Testing - Selenium / Cypress / TestNG / Cucumber

Self-Learn

```
<a _ngcontent-muc-c
download="youDownl
.pdf" href=".../.../s
ckingOnAnHTMLButtor
</span>
<span matripple clas
reflect-disabled="fa
reflect-trigger="[ob
<span class="mat-butl
</button>
<!--bindings={
  "ng-reflect-ng-if":
```

... ialog-actions button.mat-focus-indicator

Styles Computed Layout Event Listener

Filter

element.style {

background: red; Edit

red

.mat-button, .darkred

{

box-sizing: mediumvioletred

position: relative

-webkit-user-select: none

user-select: none

cursor: pointer;

outline: none;

border: none;

-webkit-tap-highlight-color: transparent

display: inline-block;

white-space: nowrap;

Modify the text inside a tag and check how UI responds.

ROADMAP

Database | SQL Basics

Create a database and start with SQL basics up to select query on conditions

Frontend | HTML Basics

Open any website with Chrome PC,
Right click on any button on the webpage,
Select Inspect to see the HTML behind
show how data flows from database

Learning Material

Text Changed

- Backend - Spring Boot / Django
- Testing - Selenium / Cypress /

Frontend | HTML Basics

Introduce HTML using an online web page

- Tags
- Attributes
- Styling

Self-Learn

Your First App

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The screenshot shows the Angular DevTools component inspector. The top bar includes tabs for 'Elements', 'Console', 'Sources', 'Network', and a search icon. The 'Elements' tab is selected, displaying the component's DOM tree. The tree shows a series of nested elements, including a `<div>` with `mat-dialog-actions` and a `<button>` with `mat-button` and `mat-button-base` classes. The `button` element is selected, and the 'Styles' tab is active, showing a single style: `text-decoration: none;`. A red arrow points to the 'Edit' button in the top right corner of the component view.

Hover on a class style to see all the elements on which it is applied.

The screenshot displays a web application with a grid of four learning cards. Each card has a title, a description, a list of topics, and a 'Self-Learn' button. A tooltip is visible over the first card, showing its dimensions as 240.75 x 136.8. On the right, the browser's developer tools are open, showing the 'Styles' panel for the 'div.mat-grid-tile' element. A red arrow points to the 'Hover' state, which shows the following styles:

- `text-align: left;`
- `width: 90%;`
- `padding: 0 16px;`

The 'Computed' tab shows the following styles:

- `font-family: 'Cambria', sans-serif !impo`

The 'Layout' tab shows the following styles:

- `font-size: small;`

END

“Code that works well is a dopamine booster.”