

Website Integration - Part 2

Adding Multiple Carousels



Static Website

Tourism Website Integration



Home Section



Favourite Places
Section



Taj Mahal
Detailed View Section



How to add Golden Temple
Detailed View Section?



Golden Temple Detailed View Section

Steps:

- Add a Section Container with a **unique id**
- Add the Golden Temple Detailed View Section code to the Section Container
- Add **onclick** attribute to the Golden Temple Card



Step 1

Adding Section Container with Unique Id

HTML

```
<div id="sectionHome"> ... </div>
<div id="sectionFavouritePlaces"> ... </div>
<div id="sectionTajMahalDetailedView"> ... </div>
<div id="sectionGoldenTempleDetailedView">
</div>
```

Step 2

Adding Golden Temple Detailed View Section Code

HTML

```
<div id="sectionHome"> ... </div>
<div id="sectionFavouritePlaces"> ... </div>
<div id="sectionTajMahalDetailedView"> ... </div>
<div id="sectionGoldenTempleDetailedView">
<div class="detailed-view-bg-container">
...
</div>
</div>
```

Adding onclick attribute to the Golden Temple Card

HTML

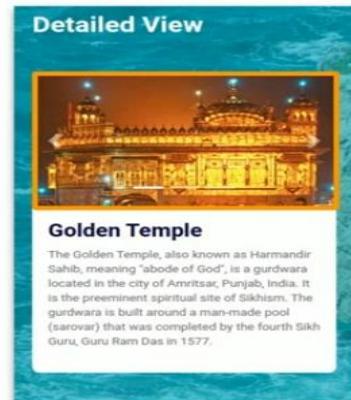
```
<div id="sectionHome"> ... </div>
<div id="sectionFavouritePlaces">
    ...
    <div class="favourite-place-card-container d-flex"
        onclick="display('sectionGoldenTempleDetailedView')">
        ...
    </div>
    ...
</div>
<div id="sectionTajMahalDetailedView"> ... </div>
<div id="sectionGoldenTempleDetailedView"> ... </div>
```

Bootstrap

Carousels



Carousel works



Carousel might not work as expected

Bootstrap

Default Carousel Code

```
<div id="carouselExampleIndicators" class="carousel slide"
data-ride="carousel">
    <ol class="carousel-indicators">
        <li data-target="#carouselExampleIndicators" data-slide-to="0"
            class="active"></li>
        <li data-target="#carouselExampleIndicators" data-slide-to="1"></li>
        <li data-target="#carouselExampleIndicators" data-slide-to="2"></li>
    </ol>
    ...
    <a class="carousel-control-prev" href="#carouselExampleIndicators"
        role="button" data-slide="prev">
        ...
    </a>
    <a class="carousel-control-next" href="#carouselExampleIndicators"
        role="button"
        data-slide="next">
        ...
    </a>
</div>
```

Unique Carousel id

The ids of the HTML Elements
should be unique

Provide unique Id
for each Carousel Container

```
<div id="carouselExampleIndicators"
      class="carousel slide"
      data-ride="carousel">
  ...
</div>
```

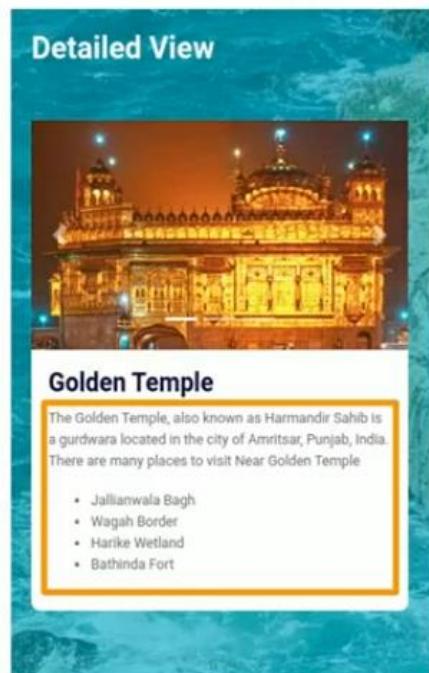
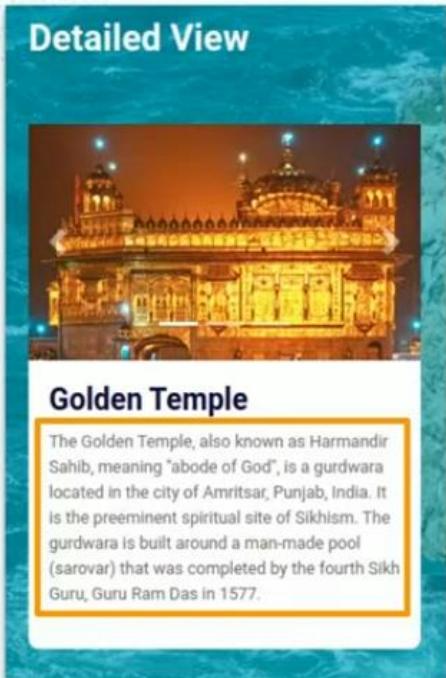
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Bootstrap

Specifying Unique id

```
<div id='goldenTempleCarousel' class="carousel slide" data-ride="carousel">
  <ol class="carousel-indicators">
    <li data-target="#goldenTempleCarousel" data-slide-to="0" class="active"></li>
    <li data-target="#goldenTempleCarousel" data-slide-to="1"></li>
    <li data-target="#goldenTempleCarousel" data-slide-to="2"></li>
  </ol>
  ...
  <a class="carousel-control-prev" href="#goldenTempleCarousel"
     role="button" data-slide="prev">
    ...
  </a>
  <a class="carousel-control-next" href="#goldenTempleCarousel"
     role="button"
     data-slide="next">
    ...
  </a>
</div>
```

How to Achieve This?



HTML Lists



HTML

Lists

List is a way to group related pieces of information, so that they are easy to read and understand

E.g. Shopping list, To-do list



HTML

Lists

There are mainly two types of lists available in HTML

Unordered List

- List item
- List item
- List item

Ordered List

1. List item
2. List item
3. List item

HTML Lists

Unordered List

- Painting
- Reading Books
- Playing Guitar



Unordered List

Unordered list starts with **** tag

 tag wraps around all the list items

Each list item starts with the **** tag.

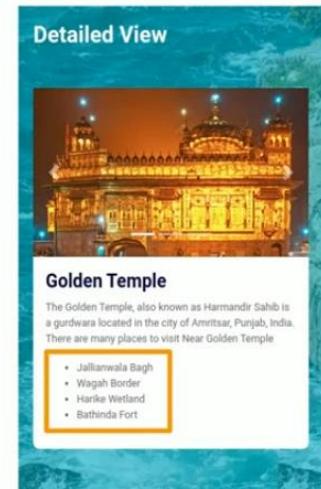
 list item

 list item

 list item

Unordered List

```
HTML
<ul class="detailed-view-card-description">
    <li> Jallianwala Bagh </li>
    <li> Wagah Border </li>
    <li> Harike Wetland </li>
    <li> Bathinda Fort </li>
</ul>
```



Unordered List

By default,
List Items in unordered Lists
are marked with **bullets**.

- Jallianwala Bagh
- Wagah Border
- Harike Wetland
- Bathinda Fort

Styling Unordered Lists

Syntax

```
.unordered-list {
    list-style-type: circle;
}
```

CSS

```
<ul class="detailed-view-card-description unordered-list">
    <li> Jallianwala Bagh </li>
    <li> Wagah Border </li>
    <li> Harike Wetland </li>
    <li> Bathinda Fort </li>
</ul>
```

HTML

- Jallianwala Bagh
- Wagah Border
- Harike Wetland
- Bathinda Fort

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Styling

Unordered List

`list-style-type: square;` `list-style-type: disc;` `list-style-type: none;`

- Jallianwala Bagh
- Wagah Border
- Harike Wetland
- Bathinda Fort

- Jallianwala Bagh
- Wagah Border
- Harike Wetland
- Bathinda Fort

- Jallianwala Bagh
- Wagah Border
- Harike Wetland
- Bathinda Fort

HTML Lists

Ordered List

1. HTML
2. CSS
3. JavaScript



HTML Lists

Ordered List

Ordered list starts with
**** tag

 tag wraps around all the list items

Each list item starts with the **** tag.

HTML

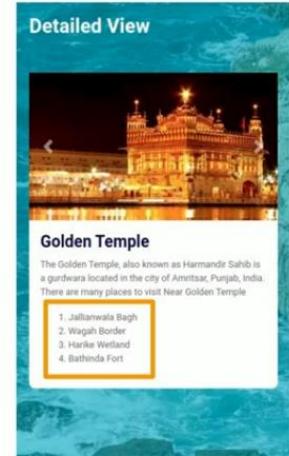
```
<ol>
  <li> list item </li>
  <li> list item </li>
  <li> list item </li>
</ol>
```

HTML Lists

Ordered List

HTML

```
<ol class="detailed-view-card-description">
  <li> Jallianwala Bagh </li>
  <li> Wagah Border </li>
  <li> Harike Wetland </li>
  <li> Bathinda Fort </li>
</ol>
```



HTML Lists

Ordered List

By default,
List Items in ordered Lists
are marked with **numbers**.

1. Jallianwala Bagh
2. Wagah Border
3. Harike Wetland
4. Bathinda Fort

Ordered List

```
.ordered-list {
    list-style-type: upper-alpha;
}
```

```
<ol class="detailed-view-card-description ordered-list">
    <li> Jallianwala Bagh </li>
    <li> Wagah Border </li>
    <li> Harike Wetland </li>
    <li> Bathinda Fort </li>
</ol>
```

HTML

- A. Jallianwala Bagh
- B. Wagah Border
- C. Harike Wetland
- D. Bathinda Fort

Styling

Ordered List

`list-style-type: lower-roman;`

- i. Jallianwala Bagh
- ii. Wagah Border
- iii. Harike Wetland
- iv. Bathinda Fort

`list-style-type: lower-alpha;`

- a. Jallianwala Bagh
- b. Wagah Border
- c. Harike Wetland
- d. Bathinda Fort

Website Integration - Part 2

Key Takeaways

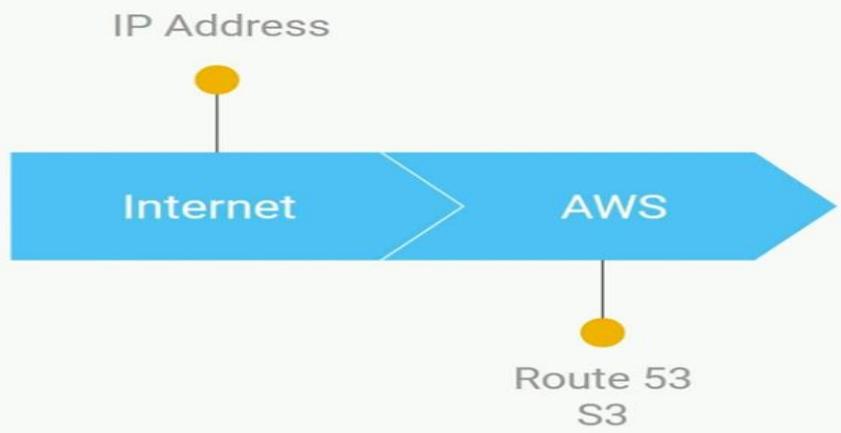
- Adding Multiple Carousels using Bootstrap
- HTML Lists
 - Ordered Lists
 - Unordered Lists
- Styling Lists using CSS
 - `list-style-type`



Website Behind the Scenes

Agenda
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Website: Behind The Scenes



Connecting devices

Internet

The Internet is
a public global network
of billions of computers
and devices



Connecting devices

Billions of Devices

~ 22 billion devices
are connected to the Internet world-wide



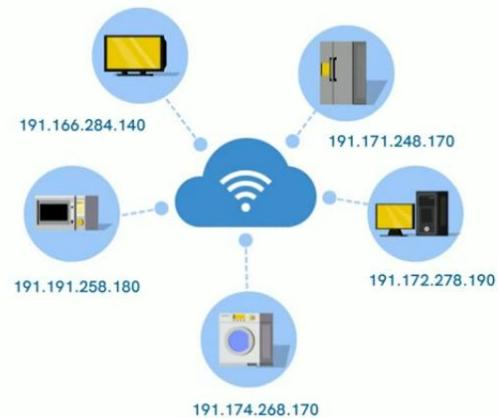
How to Identify Each Device Connected to the Internet?



Connecting devices

IP Address

A **unique address** given to each device connected to the Internet that helps to communicate with remaining devices



Connecting devices

IP Address



172.16.254.1



14/97 Alphonse Street, South Canada

What happens when we type

varakumar.ccbp.tech?

Browser

Website URL



Chrome



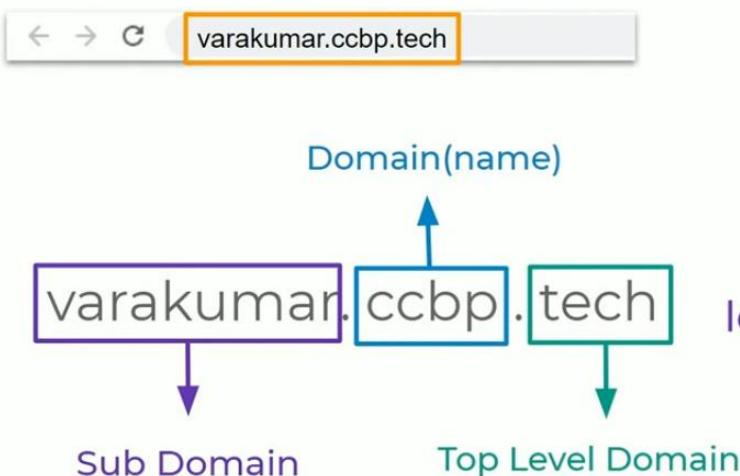
Safari



Firefox

Browser

Domain



Browser

Domain



DNS

Domain Name System

The Domain Name System (DNS) is the phonebook of the Internet.

DNS translates domain names to IP addresses so browsers can load Internet resources.



Amazon

Route 53

Amazon Route 53 is a highly available and scalable cloud **Domain Name System (DNS)** web service.



Amazon Route 53

DNS

Mapping



varakumar.ccbp.tech

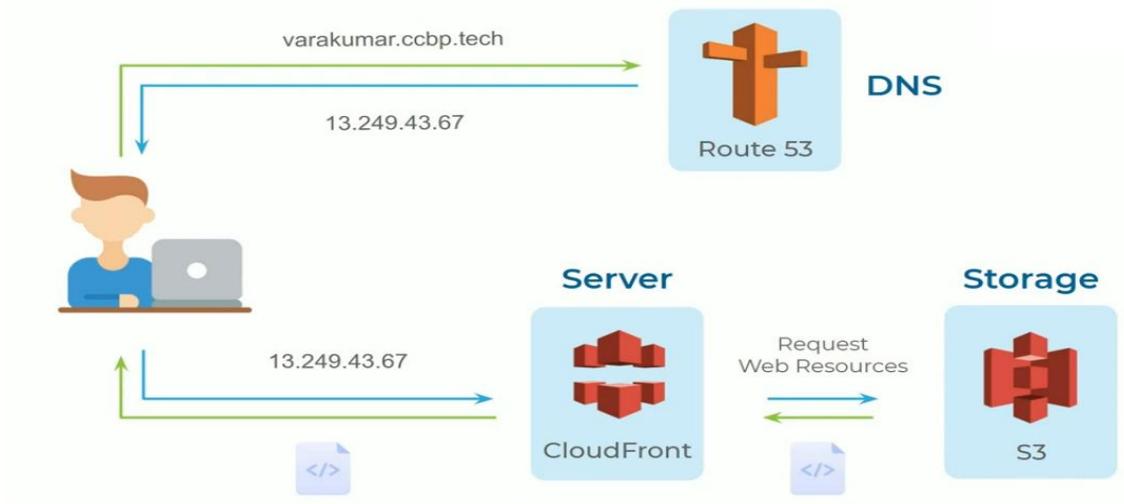


13.249.43.67



Amazon Route 53

Behind the Scenes



Amazon Web Services

Simple Storage Service(S3)

Everyone has their
own dedicated folder
in Amazon S3
to maintain their website



Concepts
We Learnt Till Now

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HTML

Elements

- Heading - h1
- Paragraph - p
- Button - button
- Container - div
- Image - img
 - src Attribute

- HTML Lists
 - Unordered List - ul
 - Ordered List - ol
 - List Item - li

HTML Attributes

- class
- id
- onclick

CSS

Text Properties

- color
- font-size
- font-family
- font-weight
- font-style
- text-decoration
- text-align

CSS

Background Properties

- background-color
- background-image
- background-size

CSS

Box Properties

- height
- width
- margin
- padding
- border
 - border-radius
 - border-width
- border-radius
 - border-top-left-radius
 - border-top-right-radius
 - border-bottom-left-radius
 - border-bottom-right-radius

Bootstrap

Flexbox Class Names

- d-flex
- flex-row
- flex-column
- justify-content-start
- justify-content-center
- justify-content-end

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Components & Utilities

Bootstrap

- Buttons
- Carousel
- Video Embed
 - Youtube Video

Key Takeaways

- Internet
 - IP Address
 - DNS Server
- Amazon Web Services
 - Route 53
 - S3



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