13th Class – Website Integration (Detailed View, Bootstrap Carousel & HTML Lists)

MERN Stack Journey – Frontend Foundations

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1. Website Integration – Part 2

In this class, we integrated **Favourite Places** with **Detailed View Sections** using: - Bootstrap Carousel - Unique IDs - HTML onclick navigation - Reusable CSS styles

This is a **real-world single-page navigation concept**, similar to how React switches components.

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2. Detailed View Section

A **Detailed View Section** displays complete information about a selected place using: - Image carousel - Heading & description - Back navigation

Common Structure

- Background container
- Heading
- Card container
- Bootstrap carousel
- Text content

2.1 Golden Temple – Detailed View

Key Concepts Used

- Bootstrap Carousel
- `carousel-inner`, `carousel-item`
- Unique carousel ID
- Responsive images using `w-100`

Why Unique IDs Matter

Each carousel **must have a unique id**, otherwise controls won't work when multiple carousels exist.

Example: - `goldenTempleCarousel` - `mysorePalaceCarousel` - `varanasiTempleCarousel`

2.2 Mysore Palace – Detailed View

This section follows the **same reusable structure** as Golden Temple.

Learning Outcome

- Code reusability
- Same CSS, different content
- Clean UI with minimal code changes

2.3 Varanasi Temple – Detailed View

Added Value

- Longer description text
- Improved content readability

This shows how the **same layout adapts to different content lengths**.

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3. Website Integration Flow

Navigation Logic

We used the `display()` function from **ccbp-ui-kit.js** to switch sections.

Steps Followed

1. Create section container with unique ID
2. Add Detailed View HTML inside it
3. Add `onclick` to Favourite Place card
4. Add Back button in Detailed View
5. Connect back to Favourite Places

This mimics **SPA (Single Page Application)** behavior.

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4. HTML Lists

Lists are used to group related information.

Types of Lists

1. Unordered List (`ul`)
2. Ordered List (`ol`)

4.1 Unordered List

Used when order does **not** matter.

Example: - Painting - Reading Books - Playing Guitar

Syntax

```
<ul>
  <li>Item</li>
</ul>
```

Styling Unordered List

```
list-style-type: square;
```

Values: - disc - circle - square - none

4.2 Ordered List

Used when **sequence matters**.

Example: 1. Learn HTML 2. Learn CSS 3. Learn JavaScript

Syntax

```
<ol>
  <li>Item</li>
</ol>
```

Styling Ordered List

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

Values: - decimal - upper-alpha - lower-alpha - upper-roman - lower-roman - none

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5. MCQs (With Options & Answers)

Q1. Which HTML tag is used to start an unordered list?

A. `<ol>` B. `<li>` C. `<ul>` ✅D. `<list>`

Answer: `<ul>`

Q2. Which CSS property styles list markers?

A. `list-type` B. `list-style-type` ✅C. `marker-style` D. `text-style`

Answer: `list-style-type`

Q3. Which tag starts an ordered list?

A. `<ul>` B. `<ol>` ✅C. `<li>` D. `<order>`

Answer: `<ol>`

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6. Interview Questions (Beginner Level)

Q1. Why must Bootstrap carousels have unique IDs?

Answer: To ensure correct navigation and avoid conflicts when multiple carousels are used.

Q2. How does this project relate to React?

Answer: Section switching is similar to conditional rendering and component navigation in React.

Q3. Difference between ordered and unordered lists?

Answer: Ordered lists follow sequence, unordered lists do not.

Q4. What does `w-100` do in Bootstrap?

Answer: Makes the image width 100% of its container.

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7. Folder Structure for GitHub

```
13-website-integration-detailed-view/
├── index.html
├── style.css
└── README.md
```

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8. Key Takeaways

- Learned real-world UI navigation
- Understood Bootstrap carousel deeply
- Used reusable CSS architecture

- Practiced HTML lists with styling
- Built foundation for React routing

✅This class builds strong frontend logic for MERN Stack projects.