

# Lecture Title: “Bootstrap Basics – Design Faster with Just HTML”

 **Duration: ~30 mins**

## **Requirements:**

- Code Editor (VS Code)
  - Internet connection
  - Basic HTML knowledge
- 

## **Lecture Flow**

### **1. Intro to Bootstrap (3 mins)**

- What is Bootstrap?
- Why use Bootstrap?
- Real-world use cases
- CDN vs Local install (mention only)

#### **Script:**

“Bootstrap ek popular CSS framework hai jo responsive aur mobile-first websites banane mein madad karta hai. Isme pre-made components aur utility classes hoti hain jisse hum bina zyada CSS likhe acha UI design kar sakte hain.”

---

### **2. Adding Bootstrap in HTML via CDN (2 mins)**

#### **Code:**

<!-- Add this in your <head> tag -->

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

---

### ✓ 3. Basic Layout & Container (3 mins)

**Code:**

```
<div class="container mt-5">
  <h1 class="text-center">Welcome to Bootstrap</h1>
</div>
```

🧠 Explain:

- `.container`
  - `.mt-5` (margin top)
  - `.text-center`
- 

### ✓ 4. Grid System (Row + Column) (5 mins)

**Code:**

```
<div class="container">
  <div class="row">
    <div class="col-md-6 bg-primary text-white p-3">Column 1</div>
    <div class="col-md-6 bg-success text-white p-3">Column 2</div>
  </div>
</div>
```

🧠 Explain:

- `.row` and `.col-md-6`
- Responsive nature

- Breakpoints (sm, md, lg, xl)

---

## ✓ 5. Buttons & Text Utilities (4 mins)

### Code:

```
<button class="btn btn-primary">Primary</button>
<button class="btn btn-outline-danger">Outline Danger</button>
<p class="text-muted mt-3">Muted text example.</p>
```

### 🧠 Explain:

- `btn` + `btn-*` classes
- Utility classes like `text-muted`, `mt-3`

---

## ✓ 6. Forms (Input, Select, Checkbox) (5 mins)

### Code:

```
<form class="p-3">
  <div class="mb-3">
    <label class="form-label">Email address</label>
    <input type="email" class="form-control">
  </div>
  <div class="mb-3">
    <label class="form-label">Select Role</label>
    <select class="form-select">
      <option>User</option>
      <option>Admin</option>
    </select>
  </div>
  <div class="form-check mb-3">
    <input class="form-check-input" type="checkbox">
    <label class="form-check-label">Accept Terms</label>
  </div>
  <button class="btn btn-success">Submit</button>
</form>
```

🧠 Explain:

- `.form-control`, `.form-label`, `.form-select`, `.form-check`
- 

## ✅ 7. Navbar Component (4 mins)

**Code:**

```
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Food Smile</a>
  </div>
</nav>
```

🧠 Explain:

- `navbar`, `navbar-brand`, `bg-dark`, `navbar-expand-lg`
- 

## ✅ 8. Card Component (3 mins)

**Code:**

```
<div class="card" style="width: 18rem;">
  
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some example content.</p>
    <a href="#" class="btn btn-primary">Go somewhere</a>
  </div>
</div>
```

🧠 Explain:

- Pre-made design, no custom CSS needed

---

## ✓ 9. Responsive Design Check (1 min)

- Open in browser → shrink screen → see responsiveness in action
- Bootstrap = Mobile-first

---

## ✓ 10. Q&A / Wrap-up / Recap (1–2 mins)

### Summarize:

“Aaj hum ne Bootstrap ko CDN se add karna seekha, grid system, forms, buttons, and components jaise navbar aur cards ka use kiya. Bootstrap se hum without CSS likhe, beautiful UI banasakte hain.”