**Web Development Foundation Course**

**Day – 16 - Project**

**Registration Form Project Guide**

**Objective**

Create a **responsive registration form** using **Bootstrap 5** for styling and **JavaScript** for form handling, validation, and submission.

**Project Structure**

registration-form/

├── index.html (Main HTML file with Bootstrap)

├── script.js (Form validation & submission logic)

└── (Optional: style.css for minor custom styles)

**Sections to Implement**

**1. HTML Structure (Using Bootstrap 5)**

* **Container & Card Layout**
  + Centered card with shadow (mx-auto, shadow)
  + Max-width: 600px
* **Form Fields (Bootstrap-styled inputs)**
  + **Full Name** – Text input (form-control)
  + **Email** – Email input (HTML5 validation)
  + **Password** – Password input (with toggle option **Bonus**)
  + **Phone Number** – Tel input (with pattern validation)
  + **Gender** – Radio buttons (form-check-inline)
  + **Date of Birth** – Date picker (type="date")
  + **Course** – Dropdown select (form-select)
  + **Address** – Textarea (rows="3")
  + **Terms & Conditions** – Checkbox (form-check-input)
* **Submit Button**
  + Red button (btn-danger)
  + Full width (w-100)
* **Success Alert**
  + Hidden by default (d-none)
  + Green success message (alert-success)

**2. Bootstrap Styling Requirements**

✅ **Layout & Spacing**

* Use Bootstrap’s container, card, and mb-3 for margins.
* Responsive grid (if needed) with row and col-\*.

✅ **Form Controls**

* All inputs use form-control.
* Radio buttons use form-check-inline.
* Select dropdown uses form-select.

✅ **Colors & Styling**

* **Primary Color:** Red (btn-danger, text-danger for heading).
* **Background:** Light (bg-light on body).
* **Card:** White with shadow (shadow).

✅ **Responsive Behavior**

* Works on **mobile** (stacked inputs).
* No horizontal overflow.

**3. JavaScript Functionality**

**Form Handling (**script.js**)**

1. **Collect Form Data**
   * Get values from inputs (getElementById).
   * Check radio buttons for gender selection.
   * Verify if terms checkbox is checked.
2. **Display Data in Alert (Demo Purpose)**
3. **Show Success Message**
4. **Reset Form**

* **Required Fields Check**
* **Email Validation**
* **Password Strength (Bonus)**

**4. Testing Checklist**

✅ **Form Submission**

* Data collected correctly.
* Success message appears.
* Form resets after submission.

✅ **Responsive Design**

* Works on **mobile** (inputs stack vertically).
* No broken layouts.

✅ **Browser Compatibility**

* Works on Chrome, Firefox, Edge.

✅ **Bonus Features (If Implemented)**

* Password toggle visibility.
* Real-time validation (on input change).

**Submission Requirements**

* index.html (Bootstrap CDN included)
* script.js (Form handling logic)
* (Optional) style.css (Minor custom tweaks)