# **Phase 6: User Interface Development (LWC)**

# **Overview:**

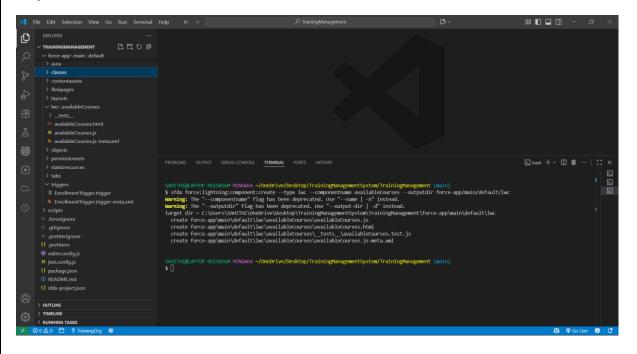
Create Lightning Web Components (LWC):

- 1. Available Courses List Display all open course offerings
- 2. Enrollment Form Quick enrollment component
- 3. My Enrollments Show participant's enrollment history
- 4. Course Offering Detail Card Display offering details with capacity indicator

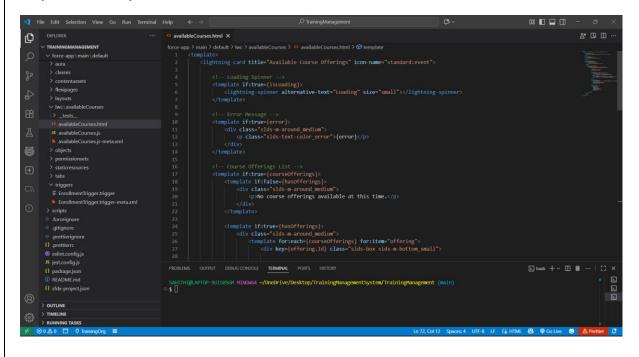
# **Section 1:**

# **Create Lightning Web Component - Available Courses**

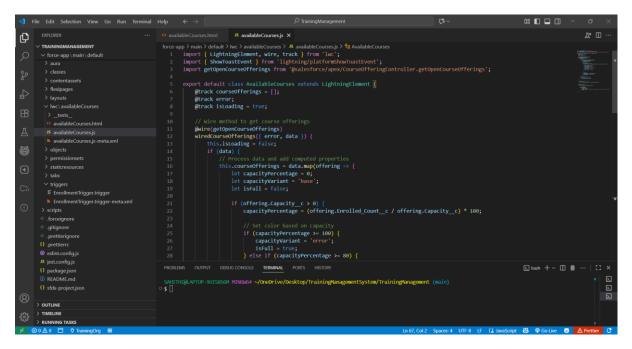
# **Step 1: Create LWC Structure**



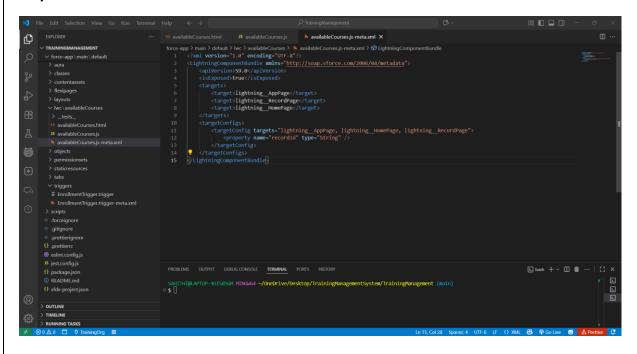
#### **Step 2: Edit Component HTML**



## **Step 3: Edit Component JavaScript**



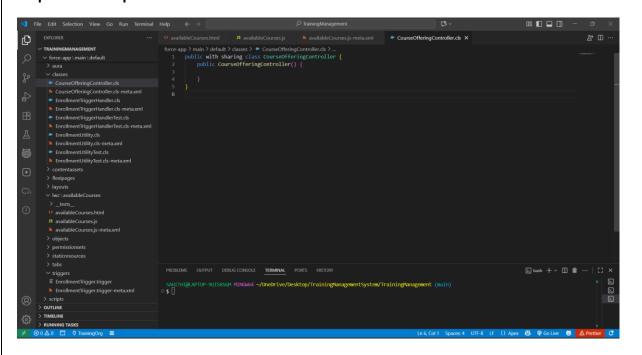
#### Step 4: Edit Meta XML



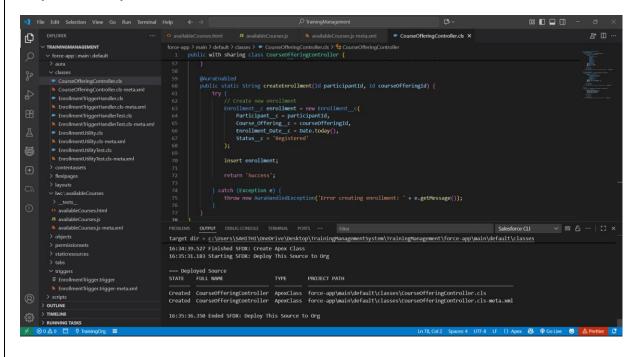
#### Section 2:

# **Create Apex Controller for LWC**

#### **Step 1: Create Apex Class**



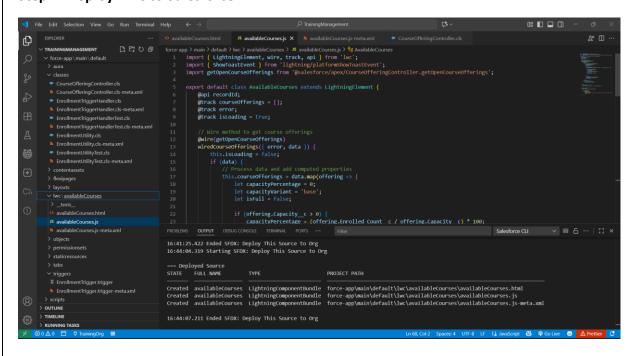
# **Step 2: Write Apex Controller Code**



#### **Section 3:**

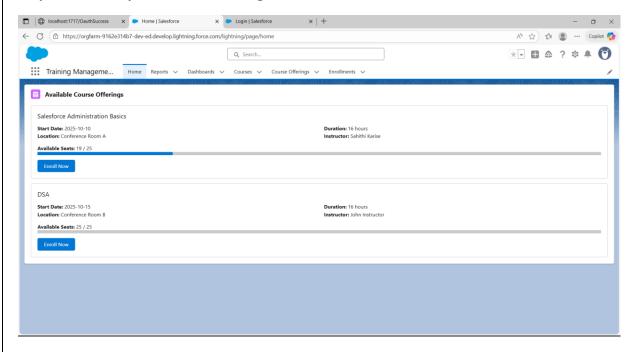
# **Deploy and Add LWC to Page**

# Step 1: Deploy LWC to Salesforce



Controller deployed successfully

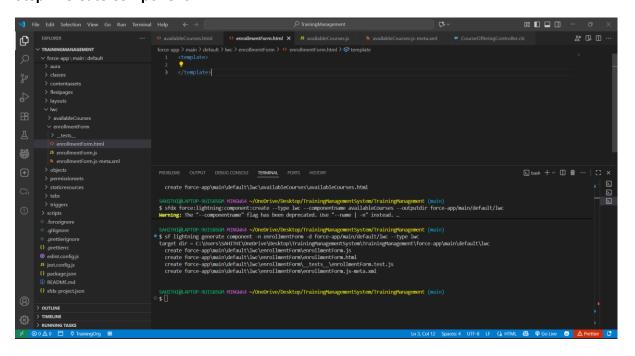
#### **Step 2: Add Component to Home Page**



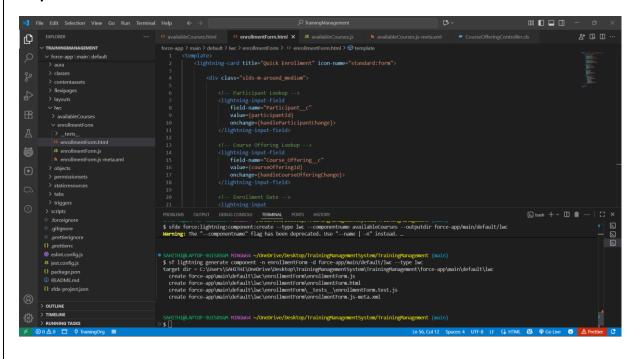
#### **Section 4:**

# **Create Enrollment Form Component**

# **Step 1: Create Component**

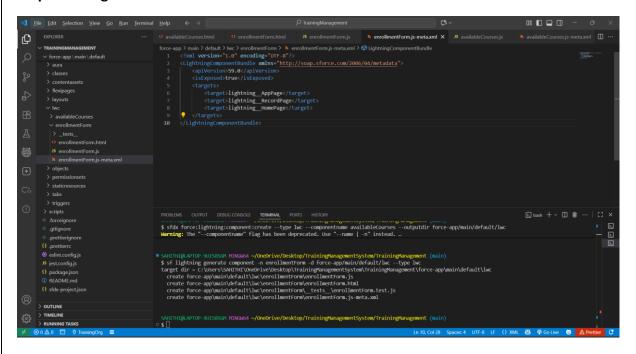


#### **Step 2: Edit Enrollment Form HTML**

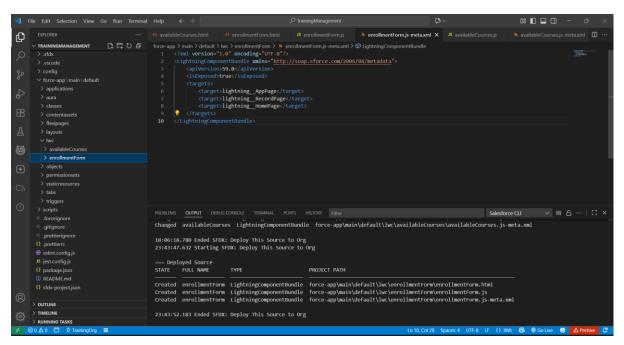


### Step 3: Edit Enrollment Form JavaScript

#### Step 4: Configure Meta XML



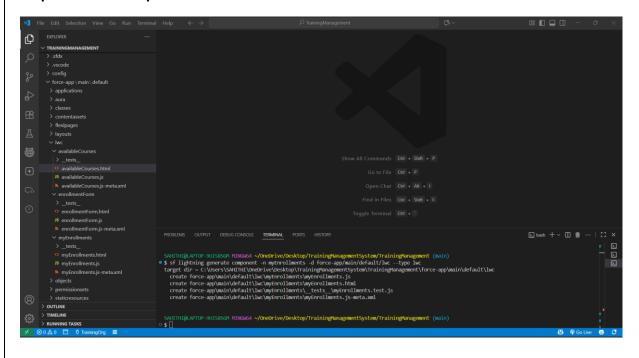
# Step 5: Saved and Deployed



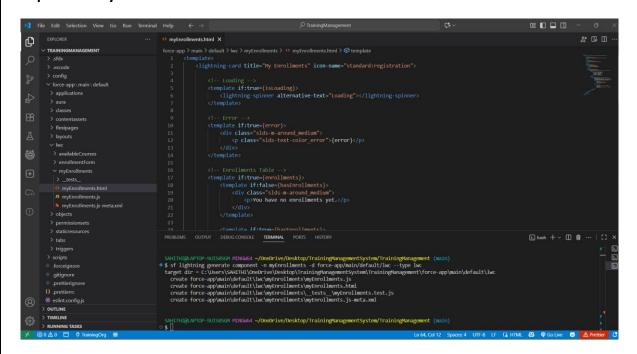
#### **Section 5:**

# **Create My Enrollments Component**

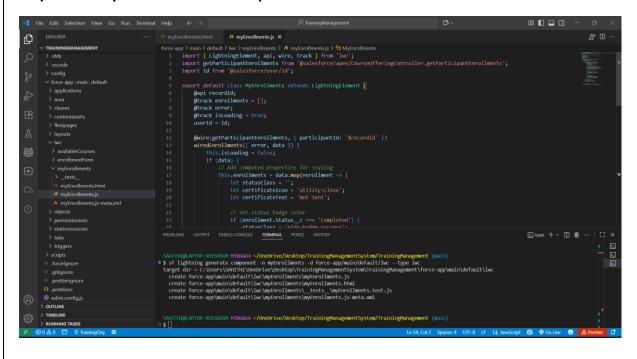
# **Step 1: Create Component**



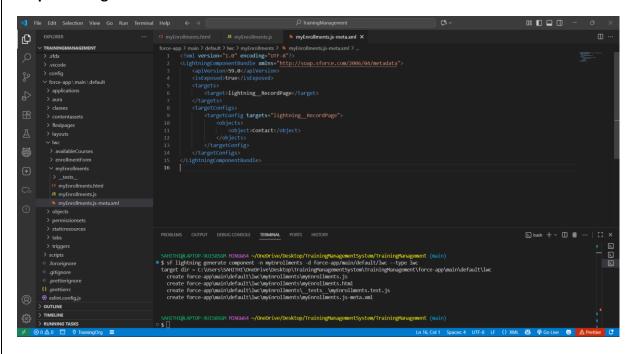
# Step 2: Edit My Enrollments HTML



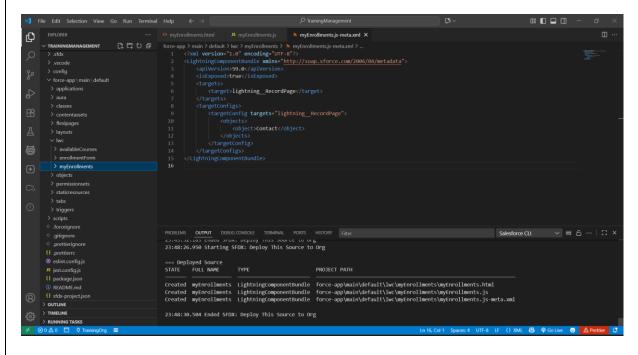
#### Step 3: Edit My Enrollments JavaScript



## **Step 4: Configure Meta XML**



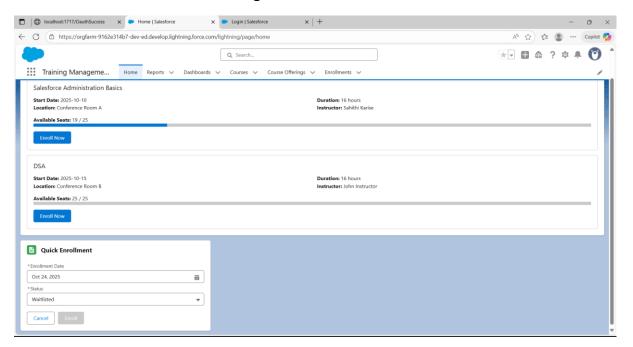
#### Step 5: Save and Deploy



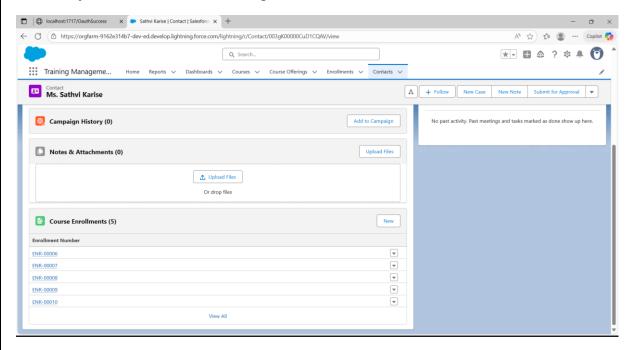
#### **Section 6:**

# **Add Components to Pages**

#### **Added Enrollment Form to Home Page**



# **Added My Enrollments to Contact Page**



# **Features Implemented:**

- Real-time capacity indicators with color coding
- Interactive enrollment buttons
- Searchable participant and course lookups
- Status badges with colors
- Certificate tracking icons
- Responsive table layout

# **UI/UX Enhancements:**

- Loading spinners
- Error handling
- Toast notifications
- Progress bars for capacity
- Conditional rendering