Project: Salesforce Custom App Deployment via Unmanaged Package

Objective:

Build a Custom App with:

- Custom Objects
- Flow Automation
- Apex Classes
- LWC Component Then package it, generate an install link, and use it in another Salesforce Org.

Step 1: Create a Custom App in Salesforce

1. Go to Setup → App Manager → New Lightning App.
2. Fill details:
3. App Name: `ServiceRequestApp`
4. Navigation: Standard
5. Add Tabs (Home, Custom Object, Reports).
6. Assign to profiles (e.g., System Admin).
7. Save and Finish.

Step 2: Create a Custom Object

1. Setup → Object Manager → Create → Custom Object.
2. Label: `Service Request`
3. API Name: `Service_Request__c`
4. Enable options like Reports and Search.
5. Add Fields:
6. `Status__c` (Picklist: New, In Progress, Resolved)
7. `Customer_Name__c` (Text)
8. `Description__c` (Long Text)
9. Create a Tab for the object.

Step 3: Create a Flow

1. Setup → Flows → New Flow.
2. Type: Record-Triggered Flow on `Service_Request__c`.
3. Trigger when Created or Updated.
4. If `Status = New`, update to `In Progress`.
5. Save as `AutoStatusFlow`.

Step 4: Create Apex Classes

ServiceRequestHelper.cls

```
public class ServiceRequestHelper {
    public static void closeRequest(Id requestId) {
        Service_Request__c req = [SELECT Id, Status__c FROM Service_Request__c
WHERE Id = :requestId];
        req.Status__c = 'Resolved';
        update req;
    }
}
```

ServiceRequestController.cls

```
public with sharing class ServiceRequestController {
    @AuraEnabled(cacheable=true)
    public static List<Service_Request__c> getRequests() {
        return [SELECT Id, Customer_Name__c, Status__c FROM Service_Request__c];
    }
}
```

Step 5: Create LWC Component

Use VS Code with SFDX to generate:

```
sfdx force:lightning:component:create --type lwc --componentname
serviceRequestList --outputdir force-app/main/default/lwc
```

serviceRequestList.html

```
<template>
    <lightning-card title="Service Requests">
        <template if:true={requests}>
            <template for:each={requests} for:item="req">
                <p key={req.Id}>{req.Customer_Name__c} - {req.Status__c}</p>
            </template>
        </template>
    </lightning-card>
</template>
```

serviceRequestList.js

```
import { LightningElement, wire } from 'lwc';
import getRequests from '@salesforce/apex/ServiceRequestController.getRequests';

export default class ServiceRequestList extends LightningElement {
    @wire(getRequests) requests;
}
```

Step 6: Create Unmanaged Package

1. Setup → Package Manager → New:
2. Name: `ServiceRequestPackage`
3. Type: Unmanaged
4. Save.

Step 7: Add Components to Package

Include:

- App: `ServiceRequestApp`
- Object: `Service_Request__c`
- Flow: `AutoStatusFlow`
- Apex: `ServiceRequestHelper`, `ServiceRequestController`
- LWC: `serviceRequestList`

Step 8: Upload the Package

1. Inside the package → Upload.
2. Version: `1.0`
3. Save and get the install link:

```
https://login.salesforce.com/packaging/installPackage.apexp?p0=PACKAGE_ID
```

Step 9: Install in Another Org

1. Open a new Playground or Developer Org.
2. Paste the install link.
3. Select Install for Admins Only.

Step 10: Use the App

1. Open App Launcher → Search `ServiceRequestApp`.
2. Access the Custom Object, Flow, and LWC functionality.

This completes the setup, packaging, and installation of a full-feature Salesforce app.