**Step 1: Set Up Your Project**

1. **Initialize a Node.js Project:**

mkdir new folder

cd new folder

npm init -y

1. **Install Required Packages:**

npm install express ejs body-parser

1. **Set Up Project Structure:**

Introduction of this **Structure**

├── views/

│ ├── index.ejs

│ └── edit.ejs

├── app.js

**Step 2: Create the Basic Express Server**

Create app.js to set up the Express server:

javascript

// app.js

const express = require('express');

const bodyParser = require('body-parser');

const path = require('path');

const app = express();

const PORT = 3000;

// Middleware

app.use(bodyParser.urlencoded({ extended: true }));

app.use(express.static(path.join(\_\_dirname, 'public')));

app.set('view engine', 'ejs');

// Sample Data

let items = [];

// Routes

app.get('/', (req, res) => {

res.render('index', { items });

});

app.post('/add', (req, res) => {

items.push(req.body.item);

res.redirect('/');

});

app.get('/edit/:index', (req, res) => {

const index = req.params.index;

res.render('edit', { item: items[index], index });

});

app.post('/update/:index', (req, res) => {

const index = req.params.index;

items[index] = req.body.item;

res.redirect('/');

});

app.post('/delete/:index', (req, res) => {

const index = req.params.index;

items.splice(index, 1);

res.redirect('/');

});

// Start Server

app.listen(PORT, () => {

console.log(`Server is running on http://localhost:${PORT}`);

});

**Step 3: Create the EJS Views**

**1. Create index.ejs:**

html

Copy code

<!-- views/index.ejs -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

<title>CRUD App</title>

</head>

<body>

<div class="container">

<h1 class="mt-5">Items List</h1>

<form action="/add" method="POST" class="mb-3">

<input type="text" name="item" required class="form-control" placeholder="Add a new item">

<button type="submit" class="btn btn-primary mt-2">Add</button>

</form>

<ul class="list-group">

<% items.forEach((item, index) => { %>

<li class="list-group-item d-flex justify-content-between align-items-center">

<%= item %>

<div>

<a href="/edit/<%= index %>" class="btn btn-warning btn-sm">Edit</a>

<form action="/delete/<%= index %>" method="POST" style="display:inline;">

<button type="submit" class="btn btn-danger btn-sm">Delete</button>

</form>

</div>

</li>

<% }) %>

</ul>

</div>

</body>

</html>

**2. Create edit.ejs:**

html

Copy code

<!-- views/edit.ejs -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

<title>Edit Item</title>

</head>

<body>

<div class="container">

<h1 class="mt-5">Edit Item</h1>

<form action="/update/<%= index %>" method="POST">

<input type="text" name="item" value="<%= item %>" required class="form-control">

<button type="submit" class="btn btn-primary mt-2">Update</button>

</form>

</div>

</body>

</html>

**Step 4: Run Your Application**

1. **Start the Server:**

nodemon app.js

1. **Access the Application:** Open your browser and go to http://localhost:3000.