



If you do not pay any relevant course fee to maintain Earth University BIT platform,
Be ethical enough to contribute while you are using our Academic Contents

www.earth.lk/community
2004-2024 (20th Anniversary)

Sprint-2 Plan

Employee Detail Management

1. Establishing Project Folder Architecture
2. Server App Initialization
3. **Sprint-2 Execution** [2(a), **2(b)**, 2(c), 2(d), 2(e), 2(f)]
4. Completing Sprint-1 Objectives

2(a) Employee Module - Analysis, Design & DB-Preparation

Data Design, UI Design, Sample Data, Database Preparation

2(b) Employee View

1. [Controller Design](#)
2. [Coding-Server App](#)
 - [Version-1 \(Client Pagination\)](#)
[Entity Coding, DAO Coding, Controller Coding, Testing](#)
 - Version-2 (Server Pagination)
Controller Modification, Testing
3. [Coding-Client App](#)
 - [Version-1 \(Client Pagination\)](#)
[UI Preparation, Entity Coding, Service Coding, Controller Coding, Testing](#)
 - Version-2 (Server Pagination)
Service Modification, Controller Modification, Testing

2(c) Employee Search

2(d) Employee Insert

2(e) Employee Update

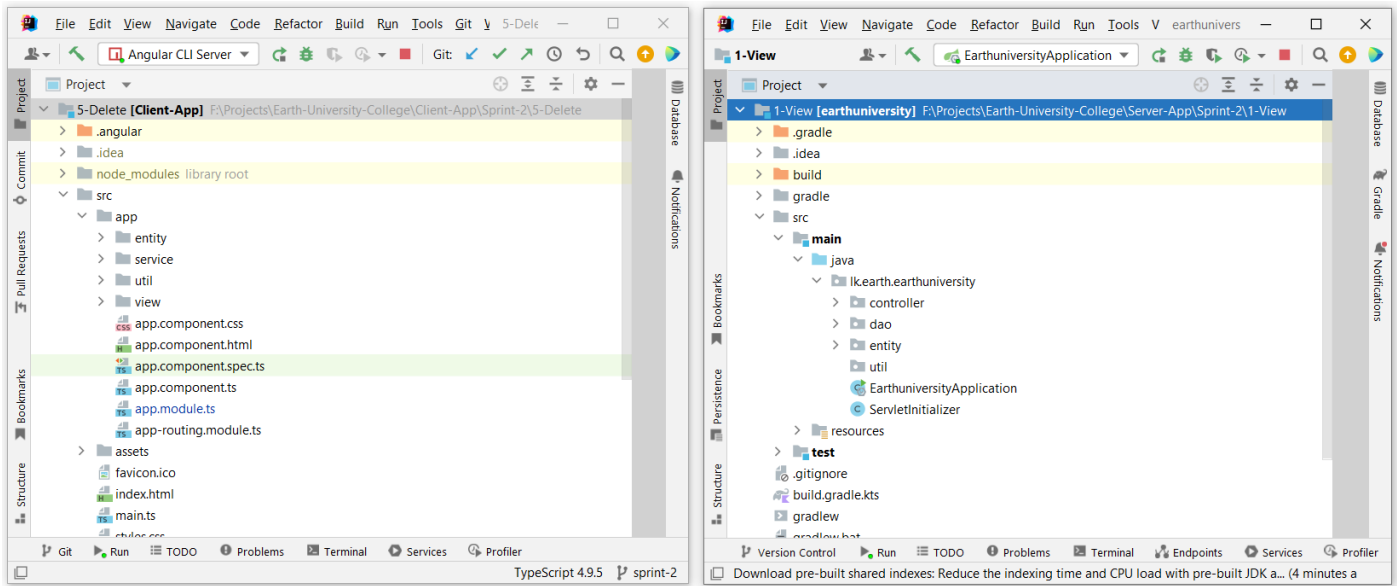
2(f) Employee Delete

2(b) Employee View

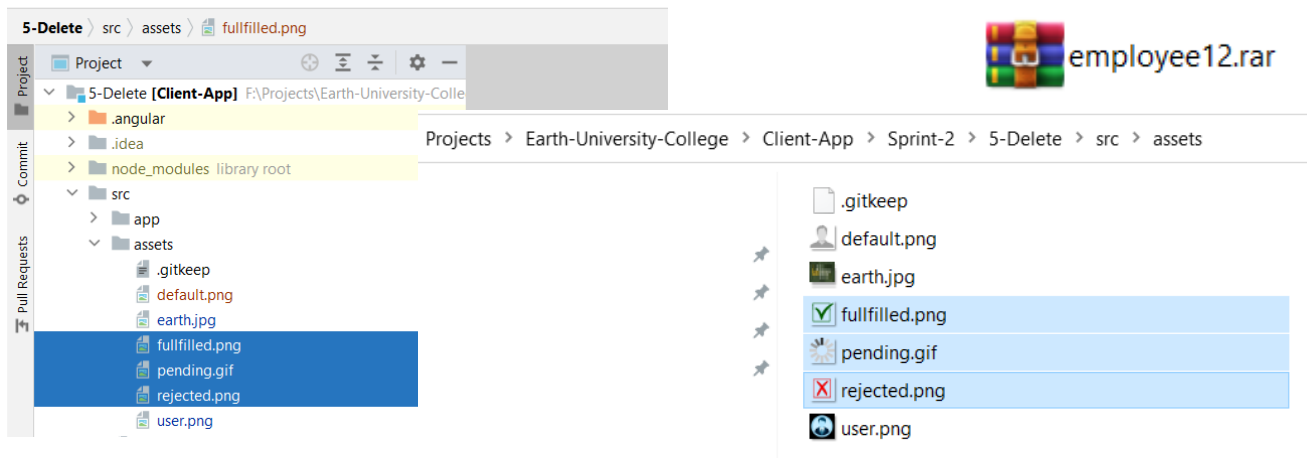
1. [Controller Design](#)
2. [Coding Server-App](#)
3. [Coding Client-App](#)
 - Version-1 (Client Pagination)**
 1. Client App Preparation for Sprint-2
 2. UI Preparation with Static Data & Testing
 3. Coding Entity Classes
 4. Data Loading with Dynamic Data & Testing
 5. Coding Service Classes for Dynamic Data & Testing (With & Without DI)
 6. Error Correction – Server App – Employee Data Service
 7. Data loading from Server & Testing, **Promise-Pending/Resolve/Reject Status**
 8. Client Pagination
 9. Client Search
 - Version-2 (Server Pagination)**

Promise-Pending/Resolve/Reject Status

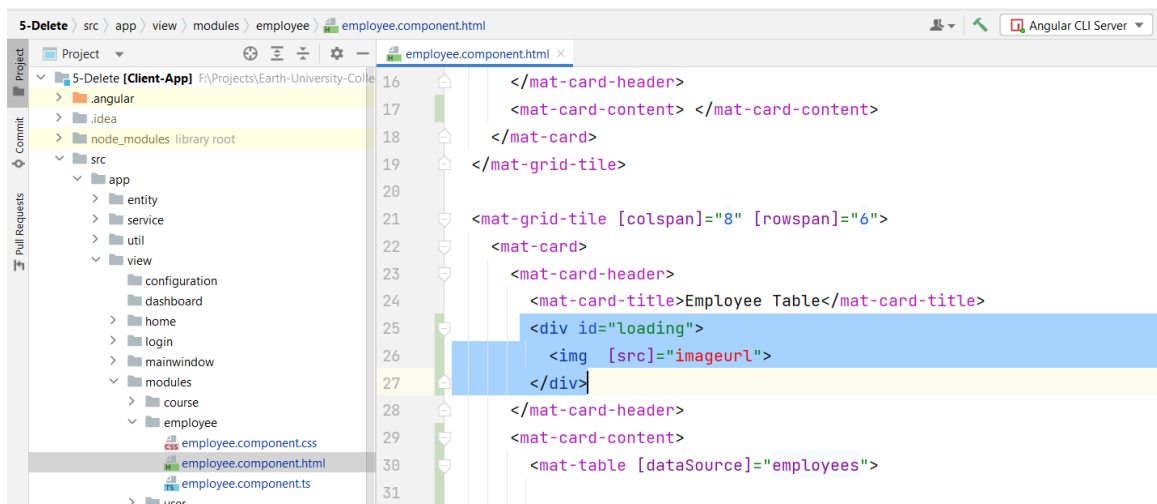
1. Open and Run both the Server-App & Client-App in separate IntelliJ-IDEA windows.
Server App – 8080, Client App – 4200



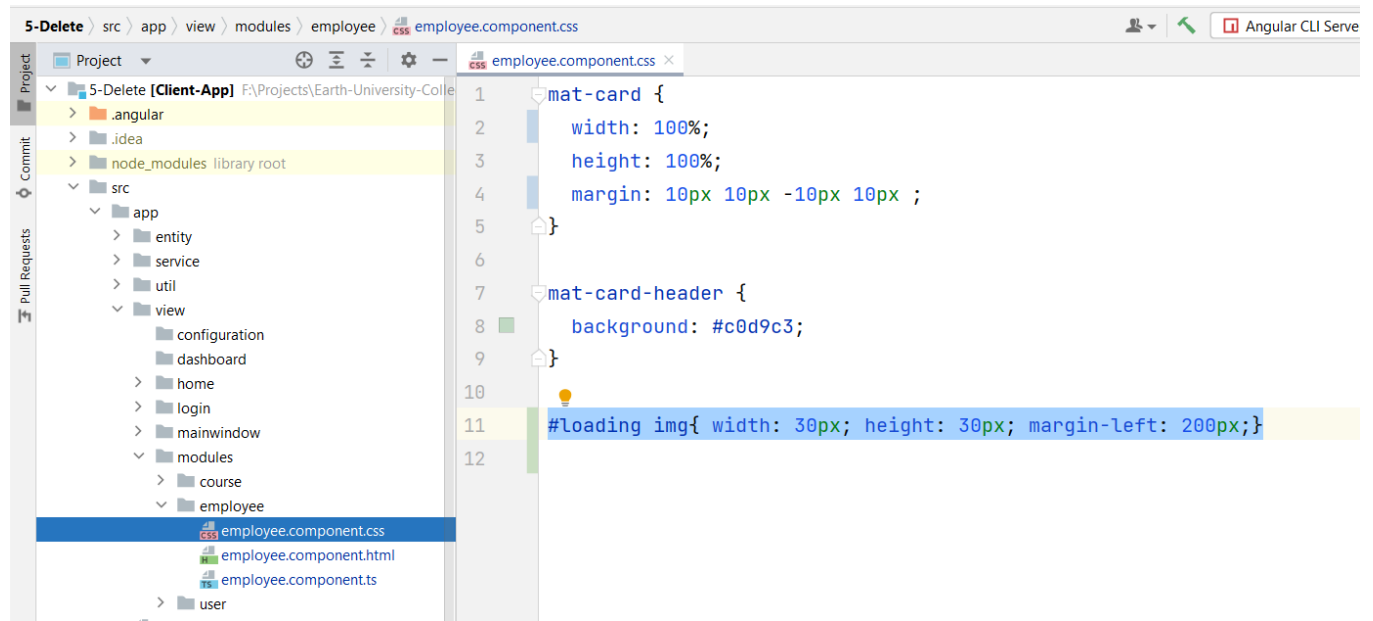
2. Add following 3 pictures to the “assets” as follows



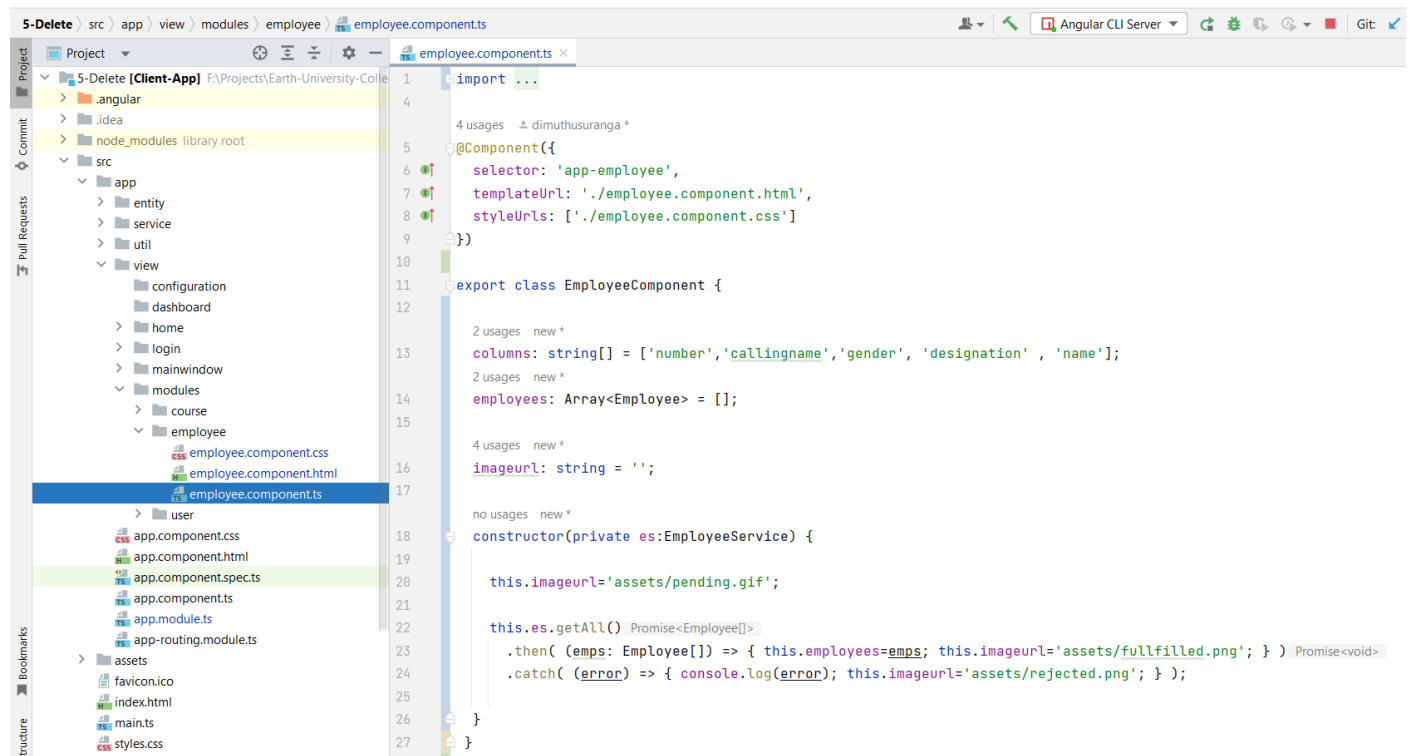
3. Change the HTML File as follows



4. Change the CSS File as follows



5. Change the TS file as follows



6. Testing

(a) Pending & Succeed

Refresh the employee window and observe for a few milliseconds before successes

Employee Table				
Number	Calling Name	Gender	Designation	Full Name

Employee Table				
Number	Calling Name	Gender	Designation	Full Name
2201	Ashan	Male	Demonstrator L1	Ashan Pathum
2202	Rukmal	Male	Demonstrator L1	Dileesha Rukmal
2203	Imran	Male	Demonstrator L1	Thahir Imran
2301	Lakshan	Male	Demonstrator L1	Lakshan Ruwinda
2302	Arshad	Male	Demonstrator L1	Arshad Ahamad
2303	Imasha	Female	Demonstrator L1	Imasha Gaupadi

(b) Pending & Failed

Stop the Server App and look for Pending and Failed Status

Employee Table				
Number	Calling Name	Gender	Designation	Full Name

Employee Table				
Number	Calling Name	Gender	Designation	Full Name

Discuss,

What is Promise?

What are the status that a Promise can exists,

How to handle each of the different status,

What is the importance of Promise in “async” functions calls?

Compare Observable over Promise in “async” function calls

Alternative implementations of Service Calls with Promise and Observable

Discuss,

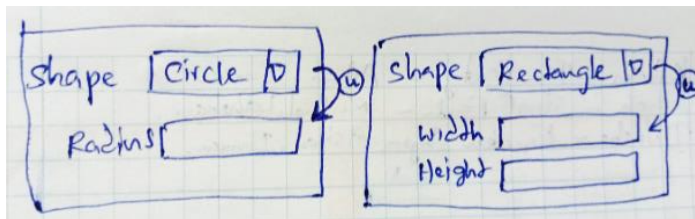
What is rendering UI Components by the Controller?

Template-Driven Rendering, Reactive Rendering, Dynamic Rendering

Renderer2, ViewChild and ElementRef in DOM-Manipulation

`ngOnInit()`, `ngAfterViewInit()` and other Lifecycle hooks

DOM Manipulation Requirement on updating View dynamically depend on user Inputs



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