Introduction

Name: Lee Boon Tat

Title: MEAN Stack Developer / Software Application Support

Summary: Expertise crafting dynamic user interfaces and implementing scalable server-side solution as MEAN stack developer proficiency in MongoDB, Express.js, Angular, and Node.js, architecting web application from concept to deployment. This project integrated Rest API with client HTTP API router basic server communication. Therefore, we implemented Injector () decorator mark the class as one that participate in dependency injection system.

Skills Technologies

Tasks	Framework & Tools	Description
Dealer portal website	Angular, Node.Js, Express, HTML, CSS, Javascript, boostrap	Single page responsive user interface
Backend maintenance	MongoDB	Update client data through remote server virtual machine
Production deployment	Trello, Jasper report	Implement pop up window and other feature follow by UAT to production before deploy

Project Title : LMS-dealer portal

Fusionex MEAN Stack developer (Frontend mobile app developer)

Introduction

During internship period, I was assigned to the app developer department to work on the demo website of app project. Our team are known as MEAN stack developer which refers to the development process that falls within these particular set of technologies MongoDB, Expressjs, Angular, NodeJS. However, the task I'm assigned include front-end development on website of loyalty management support dealer portal using Angular 2 framework. The concept of the project shows in Figure 4.1 and figure 4.2 represent the loyalty management system use case.

Therefore, my tasks also responsibility on maintenance/service on client data. Maintenance/service include managing database by duplicate/merge profile of users. During maintenance/services, we use Google international time zone every time update user profile so that team member easier to track back record. Client request us to resolve incident like changing profile primary card so that client company branch have the updated data

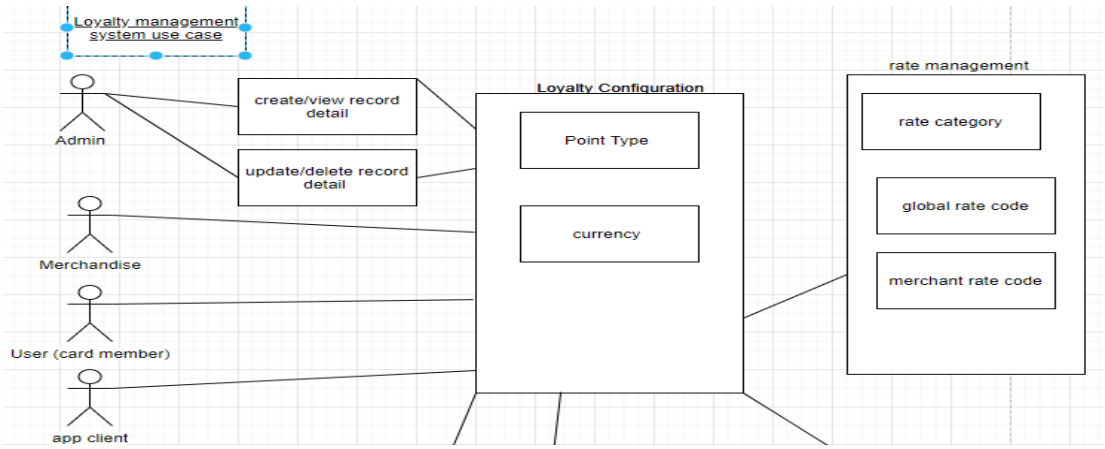

Figure 4.1 Loyalty Management System use case (part 1)

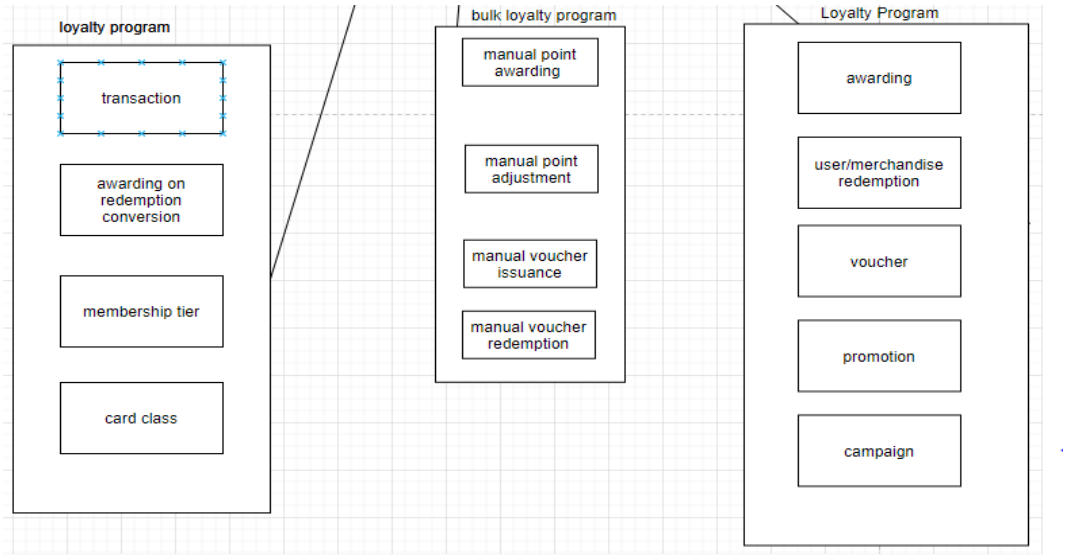

Figure 4.2 Loyalty Program connected to loyalty configuration (part 2)

Demo Code part (LMS Dealer Portal)

Figure 7 shows the multiple user profile feature using angular material. Angular material I implement in the project is UI component infrastructure and Material Design components for mobile and desktop Angular web applications. I started implementation on angular 2 layout using HTML and Javascript/boostrap. Figure 8 shows sample code for multiple user profile feature part in layout page. Figure 9 shows Injector dependency which import and call REST API HTTP client. Figure 10 shows I implemented hamburger icon for mobile view. Therefore, navigation sidebar also part of the feature on this project shows in figure 11.

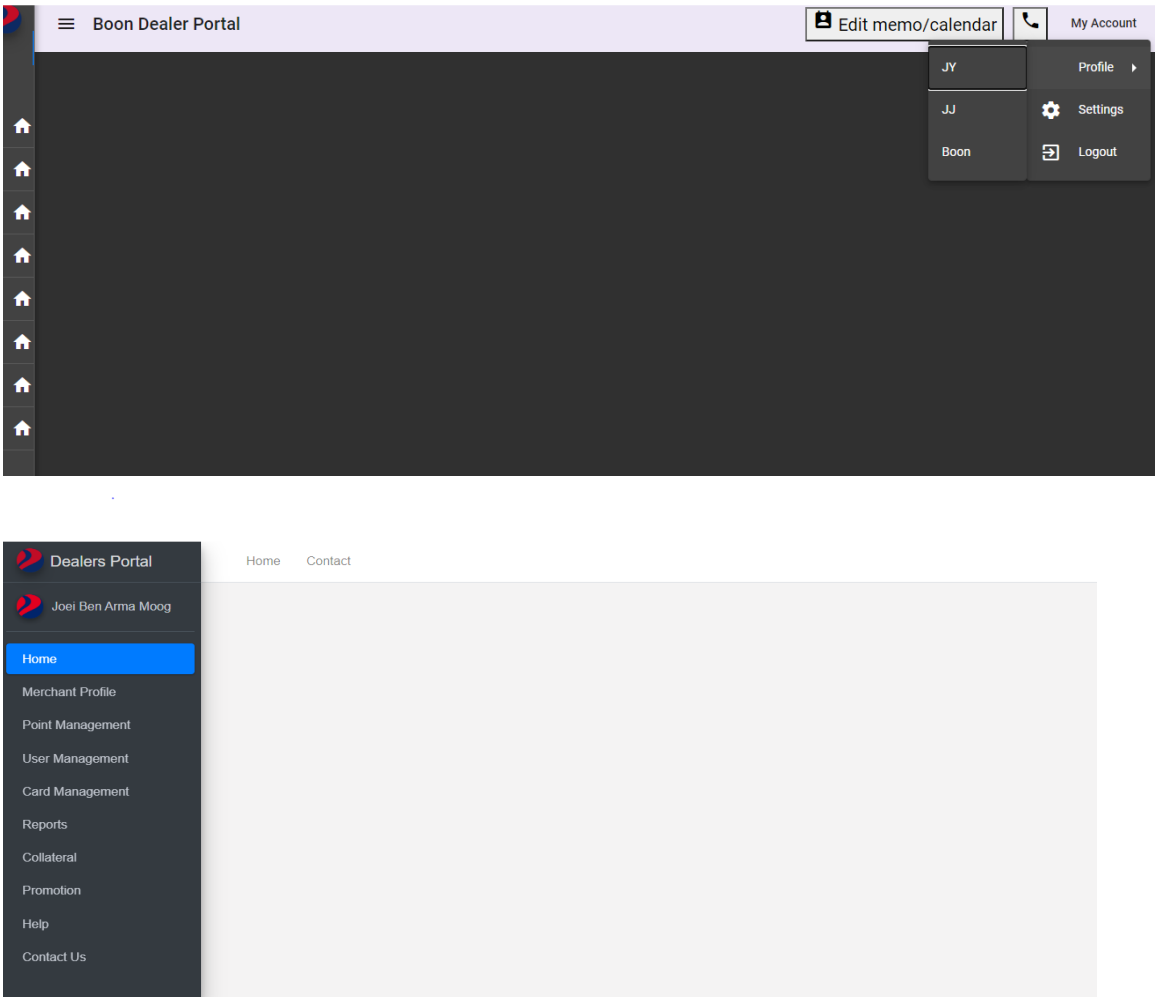

Figure 7 Multiple user profile sidebar feature

```
<!-- Switch Profile Nav -->
<button mat-button [matMenuTriggerFor]="menu">My Account</button>
  <mat-menu #menu="matMenu" xPosition="after">
    <button mat-menu-item [matMenuTriggerFor]="secondLevel">
     <mat-icon>account box</mat-icon>
      Profile
    </button>
    <button mat-menu-item>
      <mat-icon>settings</mat-icon>
      Settings
    </button>
    <button mat-menu-item>
     <mat-icon>exit_to_app</mat-icon>
      Logout
    </button>
  </mat-menu>

  <mat-menu #secondLevel ="matMenu">
    <button mat-menu-item> JY </button>
    <button mat-menu-item> JJ </button>
    <button mat-menu-item> Boon </button>
  </mat-menu>
```

Figure 8 Sample code for multiple user profile feature part in layout page

```
import { HttpClient } from '@angular/common/http';
import { Injectable } from '@angular/core';
import { Observable } from 'rxjs';
@Injectable({providedIn: 'root'})
export class UserService {
public baseUrl = "http://localhost:8081";
constructor(private httpClient: HttpClient) {}
```

Figure 9 Part of the REST API call HTTP request

```
<mat-sidenav-content [ngStyle]="{ 'margin-left.px': contentMargin}">
  <mat-toolbar color="primary">
    <button
      type="button"
      aria-label="Toggle sidenav"
      mat-icon-button
      (click)="onToolbarMenuToggle()">
      <mat-icon aria-label="Side nav toggle icon">menu</mat-icon>
    </button>
```

Figure 10 Angular sample code Ham icon menu

```
<!-- Sidebar -->
<mat-sidenav-container
class="sidenav-container">
  <mat-sidenav
    #drawer
    class="sidenav"
    [ngClass] = "{hidden: (isHandset$ | async)!.matches}"
    fixedInViewport = "false"
      [attr.role]="(isHandset$ | async) ? 'dialog' : 'navigation'"
      [mode]="(isHandset$ | async) ? 'over' : 'side'"
      [opened]="(isHandset$ | async) === false"

      [class.menu-open]= "isMenuOpen"
      [class.menu-close]= "!isMenuOpen" >
```

Figure 11 Sidebar menu use async class

Github Repository Code

link