Day 1 : 14/10/2023

4 phases

Course 1 or Phase 1

Agile

Git

MySQL

HTML

CSS

JavaScript

TypesCript

Angular

Testing cucumber

E-Shopping – App

Actor or type of users

Admin

SignIn no SignUp

Emaild : [admin@gmail.com](mailto:admin@gmail.com)

Password : admin@123

Admin Dashboard

Category : Add, Delete, Update, View

Product : Add, Delete, Update, View

Admin can view all customer order details.

Customer

SignUp and SignIn

Account : accno and amount

View all Products

Customer add the product in cart

Place the order

Customer can view its own order details.

Angular service to call Rest API using HttpClient

Node js provided external module ie json-server which help us to make

Normal json file as small db server or we can create our own rest api.

npm install -g json-server

json-server filename.json

create angular new project

ng new e-shopping-admin-app

routing -🡪 yes

styling 🡪 css

move inside a project folder using cd projectname

and run these below command to create component, service and model classes.

npm install -g @angular/cli

ng g c login component

ng g class login model class

ng g s login service class

ng g c dashboard component

app.component.html

ng g c category component

ng g class category model class

ng g s category service class

ng g c product component

ng g class product model class

ng g s product service class

According to Rest API

Get method : for retrieve the resource like category information

Select query

Post method : for create the resource or store

Insert query

Put method : update existing resource

Update query

Delete method : delete the resource

Delete query

Course 2 or Phase 2

Java

Course 3 or Phase 3

Course 4 or Phase 4

Promise Vs Observable

Promise is a pre defined javascript object which help to handle asynchronous event of data.

If we want to handle promise we need to use then and catch

fetch(“url”)

fetch is pre defined javascript function. Return type is promise

fetch(url).then(callback).catch(callback).finally(callback);

If promise resolve then call to load the data if promise rejected then catch will call.

After then or catch finally will execute.

Promise load whole data at time. And promise can’t cancel.

Observable is a part of rxjs. (reactive js). Rxjs is third party library.

httpClient return type is observable. Observable is use to handle asynchronous event of data.

To handle the observable we need to use subscribe.

Subscribe take 3 parameters

1. Next : it is use to load the data one by one like then
2. Error : while loading data if we get any error then 2nd parameter get call to handle the error like catch
3. Complete : if any error then third parameter get called. Like Finally

Observable can be cancel using un subscribe.