**Capstone Project**

**Day 1 :**

**23-07-2023**

1. **ICIN Bank, 2) MyMoviePlan, 3) Foodbox, 4) Medicare**

**We require two actor or roles of users**

**Admin**

**SignIn (no signup for admin user from frontend technology ie angular)**

**Username as** [**admin@gmail.com**](mailto:admin@gmail.com) **and password :admin@123**

**Admin dashboard open**

**Add, remove, update and view all information of that particular**

**Collection.**

**Medicare :**

**\_id mname, price, qty, imageUrl etc**

**FoodFox**

**\_id foodname, price, imageUrl etc**

**Movies**

**\_id, movieName, price, imageUrl, description, actor etc**

**Customer / user**

**SignIn and SignUp**

**Button (add to cart or place the order)**

**Customer**

**Search the data using movie name or medicine name or food name etc**

**Sorting price of movie ticket or medicine or food etc by asc or desc.**

**View all customer details --🡪**

**View account balance 🡪**

**Add bootstrap feature with grid layout in angular etc.**

**View the collection details like**

**Medicare information**

**Image**

**Add in card or place order.**

**Movies information**

**Add in card or place order.**

**Food information**

**Add in card or place order.**

**Once customer do signup internally create account collection in mongo db**

**With initial amount as 1000 rs or $.**

**Bank Application**

**Admin**

**SignIn No SignUp (create account in mongo db or using express js)**

**Admin can view all account details.**

**Admin van view all transaction details**

**Admin can approved or reject cheque book request.**

**Customer**

**SignIn**

**SignUp please create account details**

**Customer dashboard**

**Customer can view its own account details. (Saving account)**

**Customer can view its own account balance.**

**Customer can transfer the amount to another account**

**Customer can view its own transaction details.**

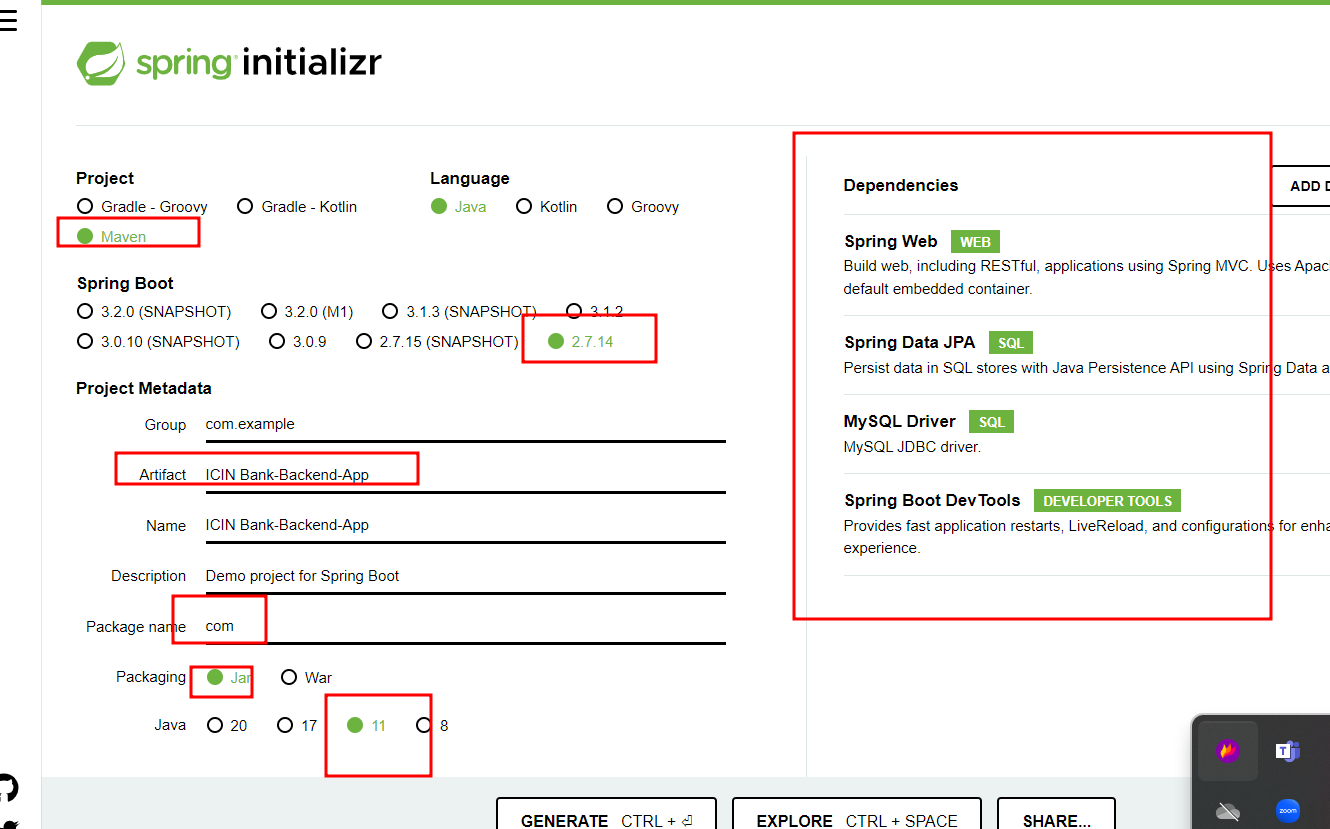
**With success or failure etc.**

**Create the project folder name**

**Inside that create backend and frontend folder.**

**Front end : Angular**

**Backend : Spring boot with MySQL Database**



**Account**

**accno : primary key : auto\_increment**

**typeofaccount :”saving”**

**emaild: FK**

**amount : 1000**

**create table account(accno int primary key,typeofaccount varchar(20), emailid varchar(30), amount float, foreign key(emailid) references login(emailid));**

**Day 2 :**

**30-07-2023**

**Below command is use to create angular project**

**ng new icin\_bank\_app**

**routing 🡪 yes**

**style --- > css**

**cd icin\_bank\_app**

**ng serve -o**

**ng g c login -🡪 login component**

**ng g c signup -🡪 signup component**

**ng g class login 🡪 model class / interface**

**ng g s login --🡪 login service**

**ng g c admindashboard-🡪 admin dashboard component**

**ng g c customerdashboard -🡪 customer dashboard component**

**html, css, JavaScript ES5 as well as ES6 , Typescript etc.**

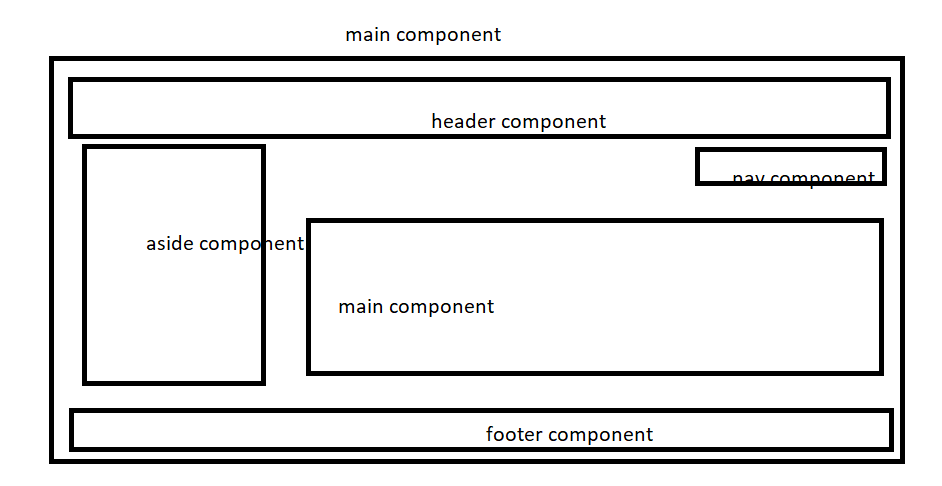
**Angular is an open source web framework provided by google organization which help to create SPA (Single page Application).**

**Index.html welcome.html**

**DOM (Document object model) 🡪 html, head, body,**

**Angular is base upon component.**

**Component is use to control the view or part of view page.**

****

**Angular is base upon typescript. Typescript is super set of JavaScript which support all OOPs concept.**

**node --version**

**npm --version**

**npm install -g @angular/cli**

**ng --version**

**to create new project in angular**

**ng new demo-app**

**to run the project**

**cd demo-app**

**ng serve -o**

**src**

**app**

**app.component.html page template page**

**app.component.ts (component file)**

**@Component is a type of decorator which contains lot of property which help to make**

**Normal typescript class as a component.**

**selector :”my-tag” it is use to provide user defined tag name**

**tempalteUrl: this property connected to html page**

**stylesurl this property is use to connect external css file.**

**in angular using component we will create user defined tags.**

**<p></p>**

**<div></div>**

**<app-root></app-root>**

**app.module.ts**

**module is a collection of more than one components. Module is like a package.**

**@NgModule decorator help to create module in angular.**

**Declaration -🡪 here we need to provide all our component details.**

**Import : here we can import pre defined or user defined modules.**

**Browser module is responsible to render or send the data on browser.**

**Provider : in this section we can provide all angular service details.**

**Bootstrap : in this section we need to provide main component details. By default app.component is consider as main or parent component.**

**Main.ts**

**This file contains main module details.**

**Login module customer module employee module**

**singIncomp addcustomercom**

**singupcomp deletecustomercomp**

**index.html page**

**if we want to create any component in angular**

**ng generate component componentname**

**or**

**ng g c componentname**

**ng g c employee**

**data binding**

**it provide the bridge between component to template or template and vice-versa.**

**Using data binding we can share the data between html to component and vice-versa.**

1. **One way data binding** 
   1. **String interpolation : component to view -🡪 component --🡪view or template**

**{{varialbeName}}**

**{{6+6}}**

**{{10/5}}**

**{{fun()}}**

* 1. **Event binding : view to component**

**Angular use same event provided by javascript**

**Javascript event angular event**

**onClick (click)**

**onDblClick (dblclick)**

**onSubmit (ngSubmit)**

1. **Two way data binding** 
   1. **Two way data binding with combining string interpolation and event binding.**

**In angular using template reference we can pass the value from view to component.**

**<input type=”text” #nameRef/> here nameRef is template reference of text field.**