BackEnd (SpringBoot Application)

1. Spring Starter Project with the following dependencies (Spring Web, Spring Data JPA, SpringBoot DevTools, h2 Database, MySQL Driver, Postgre Driver, Lombok)
2. Configure server port, DB, Logging, hibernate in application.properties file
3. Create Entity Bean Class (which represents a table in the database) [@Entity, @Table, @Id, @GeneratedValue]
4. Create Repository Interface extending JPARepository
5. Create Service Interface and ServiceImpl class [@Service, @Autowire] – all the CRUD code
6. Create RestController Class with all http mapping [@RequestMapping, @RestController, @GetMapping, @PutMapping, @PostMapping,@DeleteMapping, @CrossOrigin]

Front End (Angular Application)

Component Names

1. TutorialList component
2. TutorialDetails Component
3. AddTutorial Component

Create Components

* ng g c components/add-tutorial (User Interface) .ts, .spec.ts, .html, .css

.ts - @Component Decorator (selector : “ “ -- name of custom html tag

* ng g c components/tutorial-details (User Interface)
* ng g c components/tutorials-list (User Interface)

Create Service

* ng g s services/tutorial [@Injectable (providedIn :”root”)]

Create Model (model/tutorial)

* ng g class model/tutorial

{ path: '/students', component: StudentListComponent },

{ path: 'students/:id', component: StudentDetailComponent },

{ path: 'students/addStudent', component: AddStudentComponent },

{ path: 'students/:id/edit', component: EditStudentComponent }

<https://www.itsolutionstuff.com/post/angular-13-crud-application-example-tutorialexample.html>

Forms in Angular

1. Template Driven Form
2. Reactive Form (Forms, FormGroup)