Rest API Coding Process

Create a basic spring boot app project folder

Graphical user interface, text, application

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

A picture containing diagram

Description automatically generated

…..First, we create the add a single employee service, then we restart our tomcat server hosting the spring app, then we go to postman to test if our service for adding a employee works

Text

Description automatically generated

Updating the Controller Class to add code for service [adding an employee]

Graphical user interface, text, application

Description automatically generated

**Adding data/ employee objects via add a employee service**

Graphical user interface, text, application, email

Description automatically generated

…..Second, we create the get all employees service, then we restart our tomcat server hosting the spring app, then we go to postman to test if our service for getting all employees works

Text, letter

Description automatically generated

Updating the Controller Class to add code for service [getting all employees]

Graphical user interface, text, application

Description automatically generated

**Adding data/ employee objects via add a employee service**

Graphical user interface, text, application, email

Description automatically generated

**View all data to verify data was added/ all employee objects via get all employees service**

Graphical user interface, text, website

Description automatically generated

…..Third, we create get a single employee service, then we restart our tomcat server hosting the spring app, then we go to postman to test if our service for getting a single employee works

Text, letter

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Updating the Controller Class to add code for service [get single employees]

Graphical user interface, text, application

Description automatically generated

**Adding data/ employee objects via add a employee service**

Graphical user interface, text, application, email

Description automatically generated

**View all data/ all employee objects via get all employees service**

Graphical user interface, text, website

Description automatically generated

**View selective data only/ employee object via get a single employee service**

Graphical user interface, text, application, email

Description automatically generated

...Fourth, we create delete a single employee service, then we restart our tomcat server hosting the spring app, then we go to postman to test if our service for deleting a single employee works

Text

Description automatically generated

Updating the Controller Class to add code for service [delete employees]

Graphical user interface, text, application

Description automatically generated

**Adding data/ employee objects via add a employee service**

Graphical user interface, text, application, email

Description automatically generated

**View all data/ all employee objects via get all employees service**

Graphical user interface, text, application, email

Description automatically generated

**Delete data/ employee objects via delete employee service**

Graphical user interface, text, application, email

Description automatically generated

**View updated data to verify data was deleted/ all employee objects via get all employees service**

Graphical user interface, text, application, email

Description automatically generated

…..Fifth, we create update a single employee service, then we restart our tomcat server hosting the spring app, then we go to postman to test if our service for deleting a single employee works

Graphical user interface, text, application

Description automatically generated

**Adding data/ employee objects via add a employee service**

Graphical user interface, text, application, email

Description automatically generated

**View data/ employee object via get a single employee service**

Graphical user interface, text, application, email

Description automatically generated

**Update data/ employee object via update employee service**

Graphical user interface, text, application, email

Description automatically generated

**View updated data to verify data was changed/ all employee objects via get all employees service**

Graphical user interface, text, application, email

Description automatically generated

Summary of Rest API Coding Process

1st we created the EmployeeADT Class

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2nd we created the EmployeeDAO Class

Graphical user interface, text, application

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3rd we created the EmployeeDAOImpl Class

Graphical user interface

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4th we created the EmployeeCRUDService Class

Graphical user interface, text, application

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5th we created the EmployeeController Class

Graphical user interface, text, application

Description automatically generated

6th we created the MyRestAPI Class

Graphical user interface, text, application

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