

Project

when browser (client) send request to the server means the request is send from our frontend. we use React Js as our frontend technology. In React everthing is acts as component. app.js is parent component and rest are its child component. according to the url request from app.js is goes to its porticular child component then from child component through the axios request is forwarded to the backend server. axios is popular library is mainly used to send asynchronous HTTP request to Rest endpoints.

through this ^{axios} request frontend send request to the server. then server side we implement Rest API client-server architecture. then cors (cross origin resource) comes into picture (read cors working) & browser take the permission of server for the further request processing if server gives permission then process is continue if permission not given cors throw exceptⁿ. after successfully get access permission first of all there is controller (presentatⁿ layer or API layer) its control all the activity. as per request url its finds its appropriate controller. controller maps all the request coming from client. i.e.

request is post, put, delete, patch.

all the mapping of request done by the Controller.

then the controller dispatches the request to the service layer.

service layer contain applicatⁿ business logic. service layer consist of different services method according to request particular method executes.

then from service layer it goes to dao layer. in dao layer we have jpa repository. jpa provides lot of inbuilt method for us. jpa is ~~its~~ ^{just} imp specificatⁿ hibernate provide implementatⁿ for this. Dao layer communicates with database fetch the required data from database and provide data to the service layer for the executⁿ of business logic after completⁿ or successful completⁿ of business logic response is send to controller then controller send the response to the frontend in the JSON or XML format. then the response is display in the form of UI.