**CRUD Operation Insert, Delete, Update and Retrieve**

**Entity : Project, Employee, Customer, Order etc.**

**Product -🡪 pid, pname, price, imageUrl etc.**

**create-react-app product-react-app**

**cd product-react-app**

**code . to open the project in vscode**

**npm start**

state variable syntax in functional components

let [variableName,fucntionName]=useState(id:0,skillset:[“Java”,”Python”],{id:1,name:”Ravi”,age:21},[

{pid:1,pname:”TV”,price:45000},

{pid:2,pname:”Computer”,price:35000},

])

Calling Rest API develop in any language using react js.

Web Service : Giving the service for web application when two application develop using different language

Amazon ---🡪 Java or Angular etc Payment

Gpay Java

Phone pay .net

Paytm python

Paypal php

Credit card / debit card

XML/JSON

XML : eXtensible Marup language

JSON : JavaScript object notation

Web Service

2 types

1. SOAP base web service : in soap web service we can consume and produce only in the form of xml.
2. Rest full web service : in rest full web service we can consume and produce data in any format base application requirement like xml, json, text, html etc.

In React JS if we want to consume rest full web service develop in any language we can use

1. fetch() function : fetch is pre defined function part of javascript which help consume rest api
2. axios() function : it is third party library which help to consume rest api. We need install axios before using.

in angular we use HttpClient module to consume rest api.

create-react-app react-rest-api

fetch function return type is promise.

Promise is type of pre defined object part of JavaScript. Promise is use to handle

Asynchronous event of data.

Promise can be resolve or reject.

If promise resolve then is use to load the data.

If promise reject catch is use to handle the error.

If we want to use axios first we need to install this module using below command

npm install axios