INTERNSHIP REPORT

Submitted in the partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

CSE-IOT

Submitted by:

Rishabh Anand

19BCS4525

AT
HIGH RADIUS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

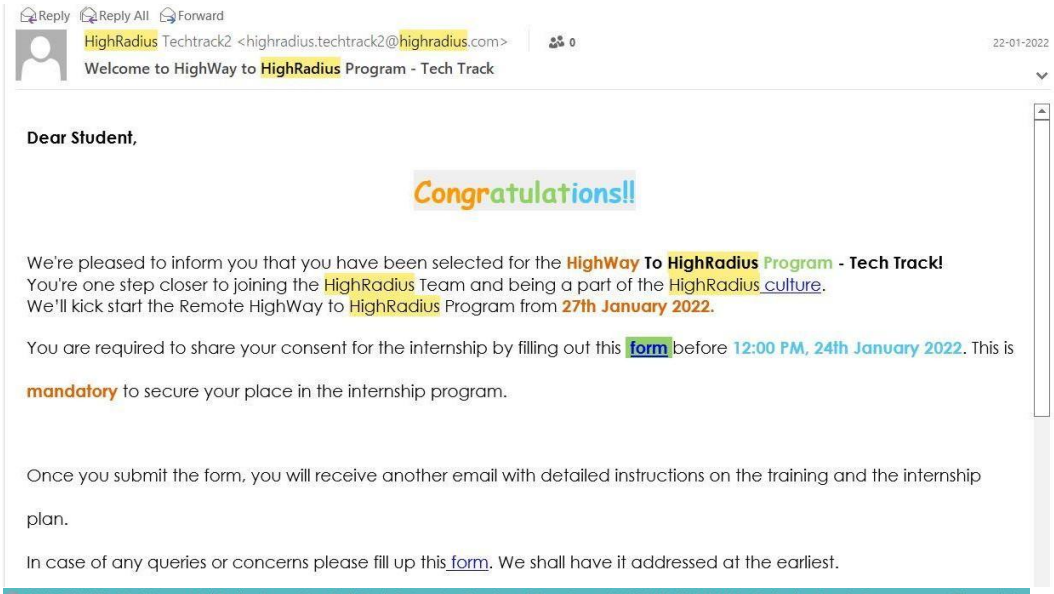
APEX INSTITUE OF TECHNOLOGY

CHANDIGARH UNIVERSITY, GHARUAN,
MOHALI - 140413, PUNJAB

January - April 2022

1.Offer Letter with Date of Joining:

There comes a congratulations mail from HR department of High radius regarding the selection and date of joining, no any pdf of offer letter had come so I am attaching the screenshots of the same.



Reply Reply All Forward

HighRadius Techtrack2 <highradius.techtrack2@highradius.com> 0 22-01-2022

Welcome to HighWay to HighRadius Program - Tech Track

Dear Student,

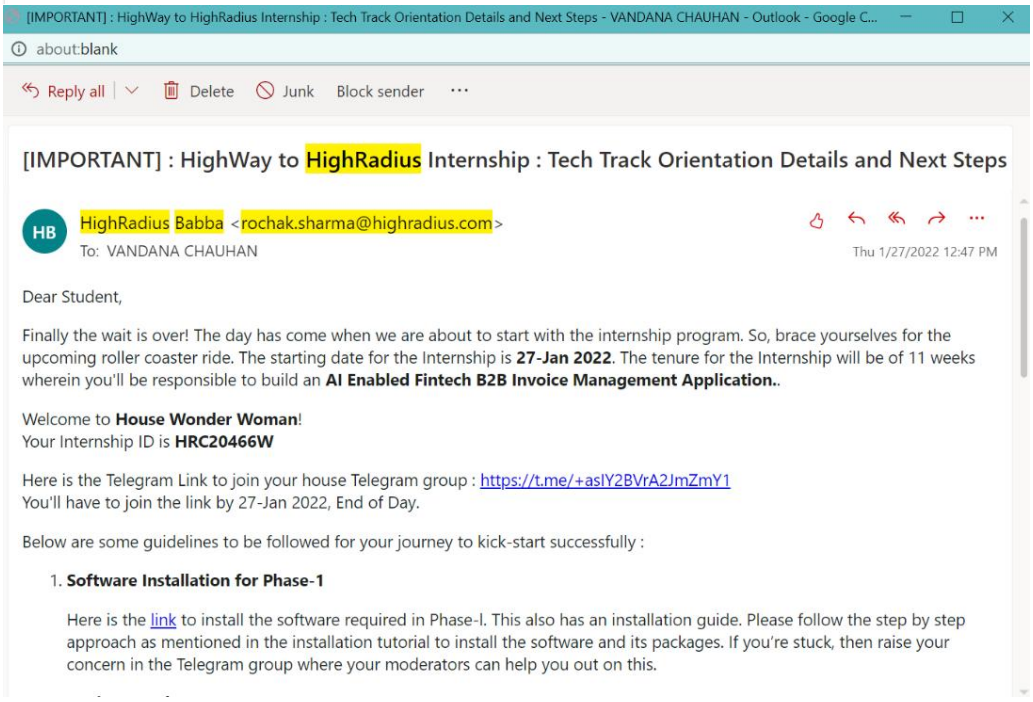
Congratulations!!

We're pleased to inform you that you have been selected for the HighWay To HighRadius Program - Tech Track!
You're one step closer to joining the HighRadius Team and being a part of the HighRadius culture.
We'll kick start the Remote HighWay to HighRadius Program from 27th January 2022.

You are required to share your consent for the internship by filling out this form before 12:00 PM, 24th January 2022. This is mandatory to secure your place in the internship program.

Once you submit the form, you will receive another email with detailed instructions on the training and the internship plan.

In case of any queries or concerns please fill up this form. We shall have it addressed at the earliest.



[IMPORTANT] : HighWay to HighRadius Internship : Tech Track Orientation Details and Next Steps - VANDANA CHAUHAN - Outlook - Google C...

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Reply all Delete Junk Block sender ...

[IMPORTANT] : HighWay to HighRadius Internship : Tech Track Orientation Details and Next Steps

HB HighRadius Babba <rochak.sharma@highradius.com>

To: VANDANA CHAUHAN Thu 1/27/2022 12:47 PM

Dear Student,

Finally the wait is over! The day has come when we are about to start with the internship program. So, brace yourselves for the upcoming roller coaster ride. The starting date for the Internship is **27-Jan 2022**. The tenure for the Internship will be of 11 weeks wherein you'll be responsible to build an **AI Enabled Fintech B2B Invoice Management Application.**.

Welcome to **House Wonder Woman**!
Your Internship ID is **HRC20466W**

Here is the Telegram Link to join your house Telegram group : https://t.me/+asIY2BVrA2JmZmY1
You'll have to join the link by 27-Jan 2022, End of Day.

Below are some guidelines to be followed for your journey to kick-start successfully :

1. **Software Installation for Phase-1**

   Here is the link to install the software required in Phase-I. This also has an installation guide. Please follow the step by step approach as mentioned in the installation tutorial to install the software and its packages. If you're stuck, then raise your concern in the Telegram group where your moderators can help you out on this.

2. Last Salary Slip/ Bank Document:

This was an unpaid internship. We did’nt received any salary during this internship.

3. Copy of NOC from College:

No NOC is provided by the college to any of the student since the internship is online and in the evening time only after office hours.

4. Executive Summary:

a. About Company: High Radius offers cloud-based Autonomous Software for the Office of the CFO. More than 700 of the world's leading companies have transformed their order to cash, treasury and record to report processes with High Radius. Our customers include 3M, Unilever, Anheuser-Busch InBev, Sanofi, Kellogg Company, Danone, Hershey's and many more.

Autonomous Software is data-driven software that continuously morphs its behaviour to the ever-changing underlying domain transactional data. It brings modern digital transformation capabilities like Artificial Intelligence, Robotic Process Automation, Natural Language Processing and Connected Workspaces as out-of-the-box features for the finance & accounting domain.

Finance business stakeholders have been led to believe that they have only two choices: pick an application software vendor that digitizes a paper or Excel-based process to an electronic system of record, or, choose a middleware platform for AI or RPA to build and maintain in-house, domain-specific capabilities. In contrast, HighRadius Autonomous Software combines the best of both worlds to deliver measurable business outcomes such as DSO reduction, working capital optimization, bad-debt reduction, reduce month close timelines and improve productivity in under six months.

b. Project Brief:

The B2B world operates differently from the B2C or C2C world. Businesses work with other businesses on credit. When a buyer business orders goods from the seller business, the seller business issues an invoice for the same. This invoice for the goods contains various information like the details of the goods purchased and when it should be paid. This is known in accounting terminology as “Accounts Receivable”.

Seller business interacts with various businesses and sells goods to all of them at various times. Hence, the seller business needs to keep track of the total amount it owes from all the buyers. This involves keeping track of all invoices from all the buyers. Each invoice will have various important fields like a payment due date, invoice date, invoice amount, baseline date etc.

The buyer business needs to clear its amount due before the due date. However, in real-world scenarios, the invoices are not always cleared ie. paid in full amount by the due date. The date on which a customer clears the payment for an invoice is called the payment date.

The evaluation was divided into 2 phases:

1- Machine Learning

The objective of the ML Application Development internship project is:

• View the invoice data from various buyers.

• See various fields/attributes of the invoice(s) from a particular buyer.

Perform Data Pre-processing on the invoice data.

• Get account-level analytics to easily visualize and interpret data- EDA and Feature Engineering.

• Get a prediction of when the invoice is going to get paid.

2- Web application

The objective of the Web Application Development internship project is:

• To build a Full-stack Invoice Management Application using Reacts, JDBC, Java, Servlets.

• Visualize Data in the form of grids.

• Perform Searching operations on the invoices.

• Add & Edit data in the editable fields of the grid.

• Delete data of selected rows in predefined templates.

c. Methodology/ Tools Deployed:

- Eclipse IDE
- VS Code
- React
- Node JS
- HTML
- Basic JavaScript Knowledge
- CSS
- JAVA
- Servlets
- JDBC

d. Key finding of the report:

This was the unpaid internship in which I got evaluated on the basis of my project submissions and my score in quizzes and about the project I have already written above. So there was not any particular task related to some research in which I had to find something but during my period of internship I learnt various thing, got to know about different technologies, and how things work in industry.

e. Benefits to the company of findings:

During my internship I created a full stack web project which was performing the following operations:

- Visualize Data in the form of grids.
- Perform Searching operations on the invoices.
- Add & Edit data in the editable fields of the grid.
- Delete data of selected rows in predefined templates.

These were the benefits of my project.

A. Distribution of hours:

Orientation **_1 hours_____**
Observing____**1_____**
Meetings (e.g. staffing, working with the team, etc)____**1.5_____**
Lectures, Seminars, Conferences**_____15-20 hours_____**
Assessment**___30-35 hours_____**
Planning (activity analysis, goals and objectives, etc)**___10 hours_____**
Studying/Researching**_____90 hours_____**

B. Implementation (in *hours* which so ever is applicable. Otherwise mention Not Applicable):

a. Leadership**___NA_____**
b. Counselling**___NA_____**
c. Supervision**___NA___**
d. Evaluation**_____2 hours_____**
e. Documentation**___4 hours_____**
f. Discharge/Transition Plans**___NA_____**
g. Other (Please specify)**_____NA_____**

C. Total clock hours during this report period**____130 hours_____**

6. INDEX Page

7. Introduction to Company and Industry:

Company:

High Radius offers cloud-based Autonomous Software for the Office of the CFO. More than 700 of the world's leading companies have transformed their order to cash, treasury and record to report processes with High Radius. Our customers include 3M, Unilever, Anheuser-Busch InBev, Sanofi, Kellogg Company, Danone, Hershey's and many more.

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Finance business stakeholders have been led to believe that they have only two choices: pick an application software vendor that digitizes a paper or Excel-based process to an electronic system of record, or, choose a middleware platform for AI or RPA to build and maintain in-house, domain-specific capabilities. In contrast, High Radius Autonomous Software combines the best of both worlds to deliver measurable business outcomes such as DSO reduction, working capital optimization, bad-debt reduction, reduce month close timelines and improve productivity in under six months.

Our products provide value to a wide range of customers and are especially relevant to industries like consumer products, manufacturing, distribution, energy, and others that sell products or provide a service to other businesses.

Our customers range from some of the largest global corporations including more than 200+ Global 2000 companies as well as mid-size enterprises that don't have the IT resources to consolidate on an ERP platform but still want to automate and streamline their receivables and treasury processes.

Efficiency and productivity enhancements are central to the value High Radius provides to our customers. Regardless of what ERP, Accounts Receivable or Treasury Management system you are using, our products automate manually-intensive tasks, streamline communication, and allow standardization of processes to drive best practices into your receivables and treasury processes.

We empower our customers to be able to work more accurately and efficiently, forecast and manage cash, get paid faster, and improve key metrics like Days Sales Outstanding (DSO) and improve working capital availability.

Industry:

Software as a service (or SaaS) is a way of delivering applications over the Internet—as a service. Instead of installing and maintaining software, you simply access it via the Internet, freeing yourself from complex software and hardware management.

SaaS applications are sometimes called Web-based software, on-demand software, or hosted software. Whatever the name, SaaS applications run on a SaaS provider's servers. The provider manages access to the application, including security, availability, and performance.

SaaS customers have no hardware or software to buy, install, maintain, or update. Access to applications is easy: You just need an Internet connection

A good way to understand the SaaS model is by thinking of a bank, which protects the privacy of each customer while providing service that is reliable and secure—on a massive scale. A bank's customers all use the same financial systems and technology without worrying about anyone accessing their personal information without authorization.

A "bank" meets the key characteristics of the SaaS model:

Multitenant Architecture

A multitenant architecture, in which all users and applications share a single, common infrastructure and code base that is centrally maintained. Because SaaS vendor clients are all on the same infrastructure and code base, vendors can innovate more quickly and save the valuable development time previously spent on maintaining numerous versions of outdated code.

Easy Customization

The ability for each user to easily customize applications to fit their business processes without affecting the common infrastructure. Because of the way SaaS is architected, these customizations are unique to each company or user and are always preserved through upgrades. That means SaaS providers can make upgrades more often, with less customer risk and much lower adoption cost.

Better Access

Improved access to data from any networked device while making it easier to manage privileges, monitor data use, and ensure everyone sees the same information at the same time.

SaaS Harnesses the Consumer Web

Anyone familiar with Amazon.com or My Yahoo! will be familiar with the Web interface of typical SaaS applications. With the SaaS model, you can customize with point-and-click ease, making the weeks or months it takes to update traditional business software seem hopelessly old fashioned.

SaaS Trends

Organizations are now developing SaaS integration platforms (or SIPs) for building additional SaaS applications. The consulting firm Saugatuck Technology calls this the “third wave” in software adoption: when SaaS moves beyond standalone software functionality to become a platform for mission-critical applications.

8. Introduction to Job Profile:

Designation: Software Developer

- Software developers design computer applications or programs.
- The role also covers writing diagnostic programs and designing and writing code for operating systems and software to ensure efficiency
- Continually update technical knowledge and skills by attending in-house and external courses, reading manuals and accessing new applications.
- Software quality assurance analysts and testers identify problems with applications or programs and report defects.

Job Location: Work from Home

Key Performance Area: In this internship Basically I have to create a machine learning model which will predict that when the invoices will get paid, after creating the model I have to work on a full stack web project which is Invoice Management System, this was a web application created with the help of REACT and JAVA.

The tasks I had to perform during ML project were:

• View the invoice data from various buyers.

• See various fields/attributes of the invoice(s) from a particular buyer.

Perform Data Pre-processing on the invoice data.

• Get account-level analytics to easily visualize and interpret data- EDA and Feature Engineering.

• Get a prediction of when the invoice is going to get paid.

The tasks I had to perform during Web application were:

- Visualize Data in the form of grids.
- Perform Searching operations on the invoices.
- Add & Edit data in the editable fields of the grid.
- Delete data of selected rows in predefined templates.

Internship Timelines: January to April 2022 (Evening 6 PM-9:00 PM) Monday to Friday

Job Description: On daily basis (Monday- Friday) from 6 PM, I needed to attend master class in which they taught us various concepts which were needed to create the project, Theses masterclasses were necessary to attend because there were some concepts which I had to apply in my project but I did not know about them. Then after 1 hour of masterclass there was break which is called the self-learning session in which I Had to revise and again visit the concepts which were learned during the masterclass and then a 30 minute scrum call in which we had to update about our progress and also can asks doubts.

Alongside of attending the masterclasses and creating the project I also had to give quizzes because they were also the part of evaluation, after completing a certain section of topics an online quiz organized by Highradius team itself.

9. Key Learning from Internship:

a. This internship taught me how to start working with a completely different project with no prior knowledge.

b. I learned about different technology.

c. How the cycle of project work in industry and how to track the progress of your work everyday.

d. Gain a practical experience which I think will be helpful for me in the future if I look for another company to join.

e. Holistic and long-term goal oriented thinking and then acting upon to do stuffs is most important.

These were some important lessons which I learnt from this training.

10. Internship/Project Discussion:

Brief Objectives of the Project:

The objective of the was to create the ML model to predict when the invoice going to get paid and then to create a web project name Invoice Management System which was a full stack project.

1- Machine Learning

The objective of the ML Application Development internship project is:

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How the Objectives were achieved:

The objectives were achieved by learning about the skills which I needed to made my project like about Machine Learning, what is model and how does it work, the pipeline to follow to create a model and in the same way about different technologies too which are REACT, backend in Java, How to connect both front end and backend and then alongside work on the project.

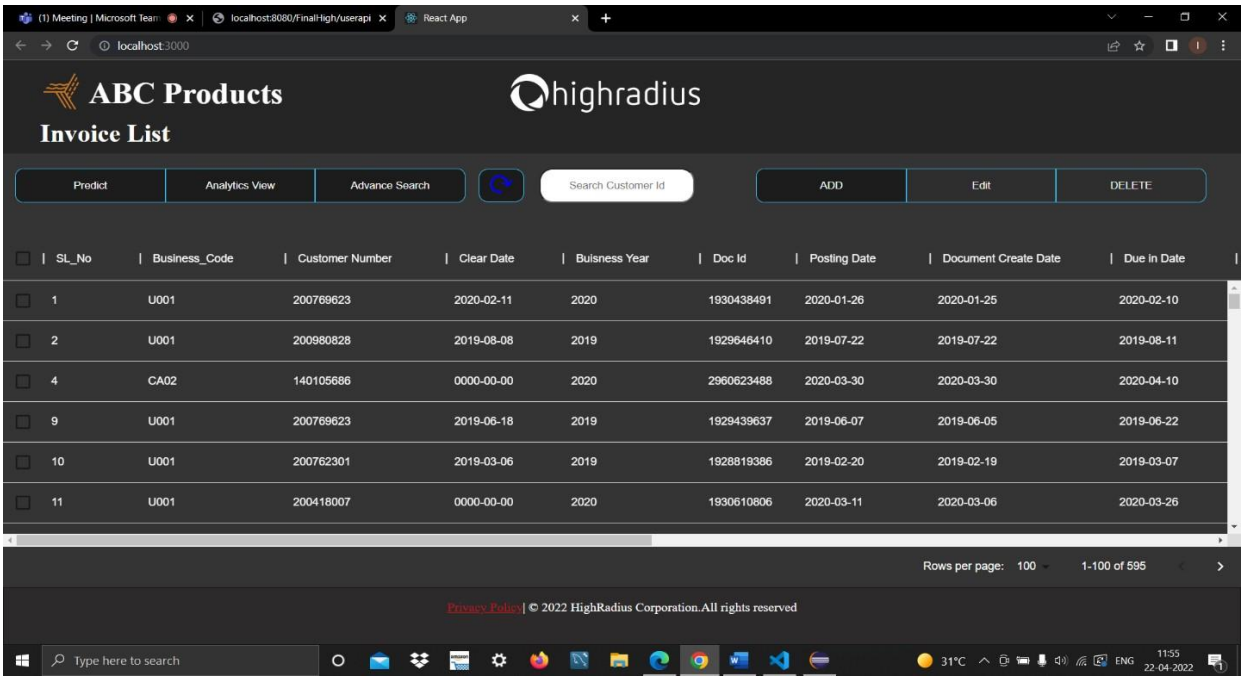
First I completed my ML model which was like first objective and then created the web project.

Skills Learned:

- Eclipse IDE
- VS Code
- React
- Node JS
- HTML
- Basic JavaScript Knowledge
- CSS
- JAVA
- Servlets
- JDBC

Result:

Learning about technologies like REACT and Machine Learning, and get to know a little about how work happen in industry and achieved the objectives which I had to during my both phase of projects.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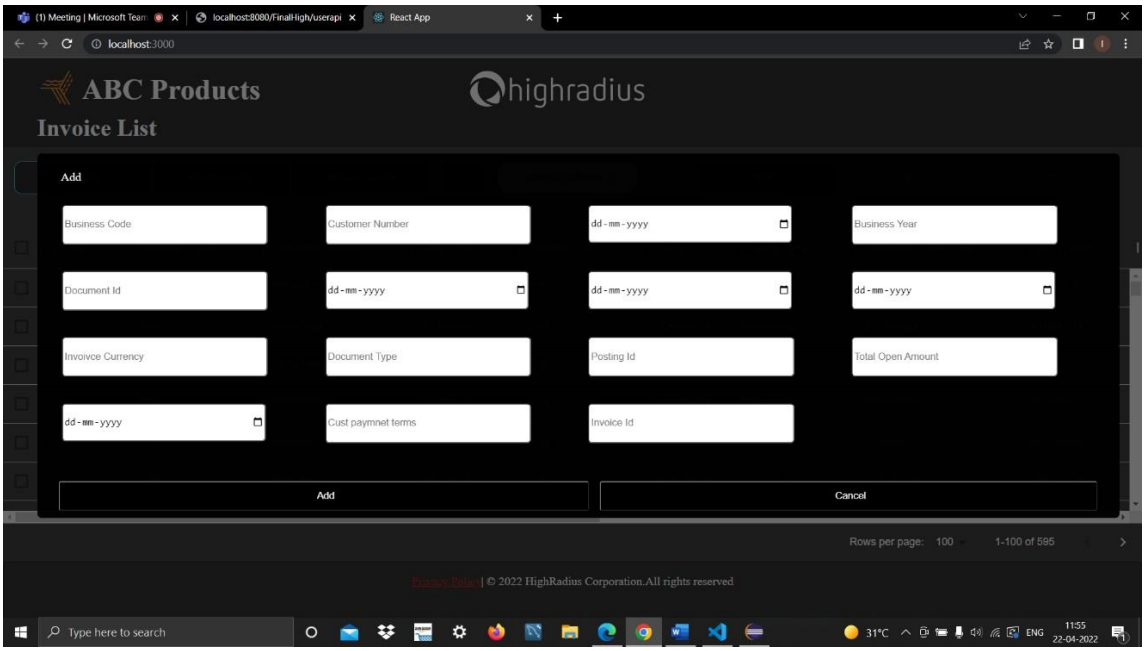
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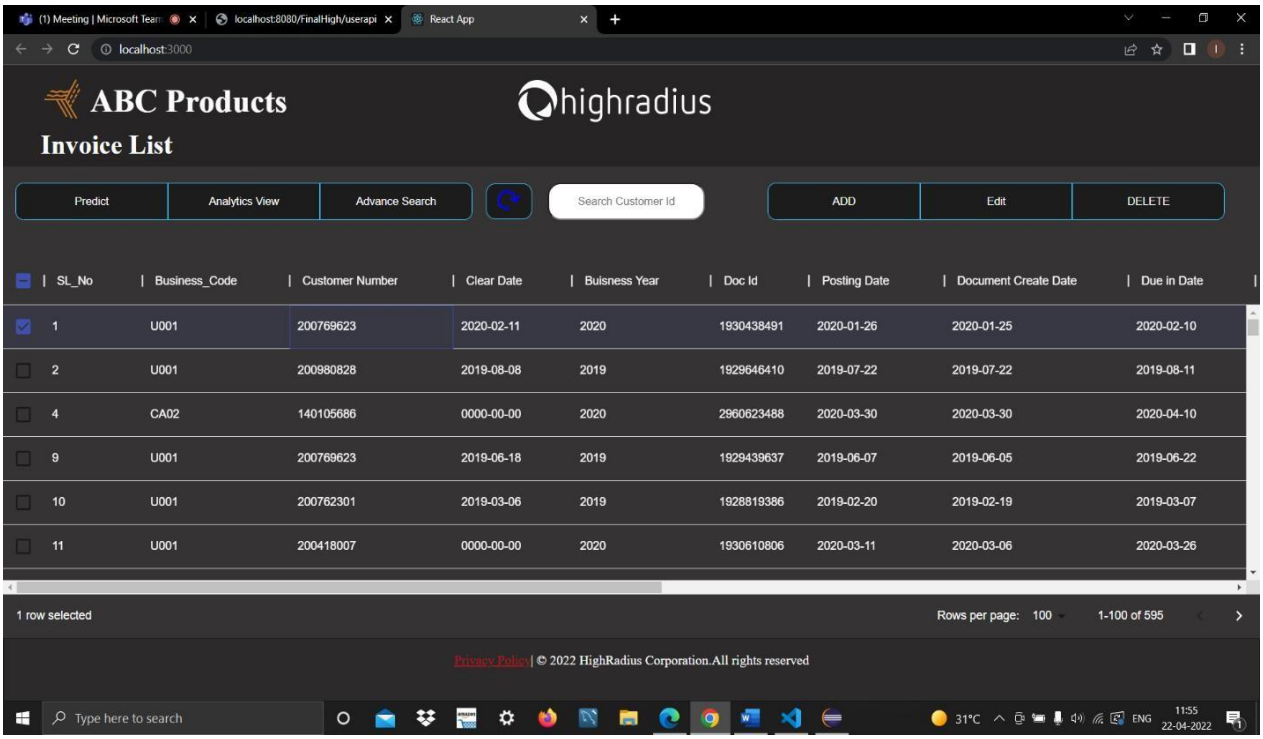
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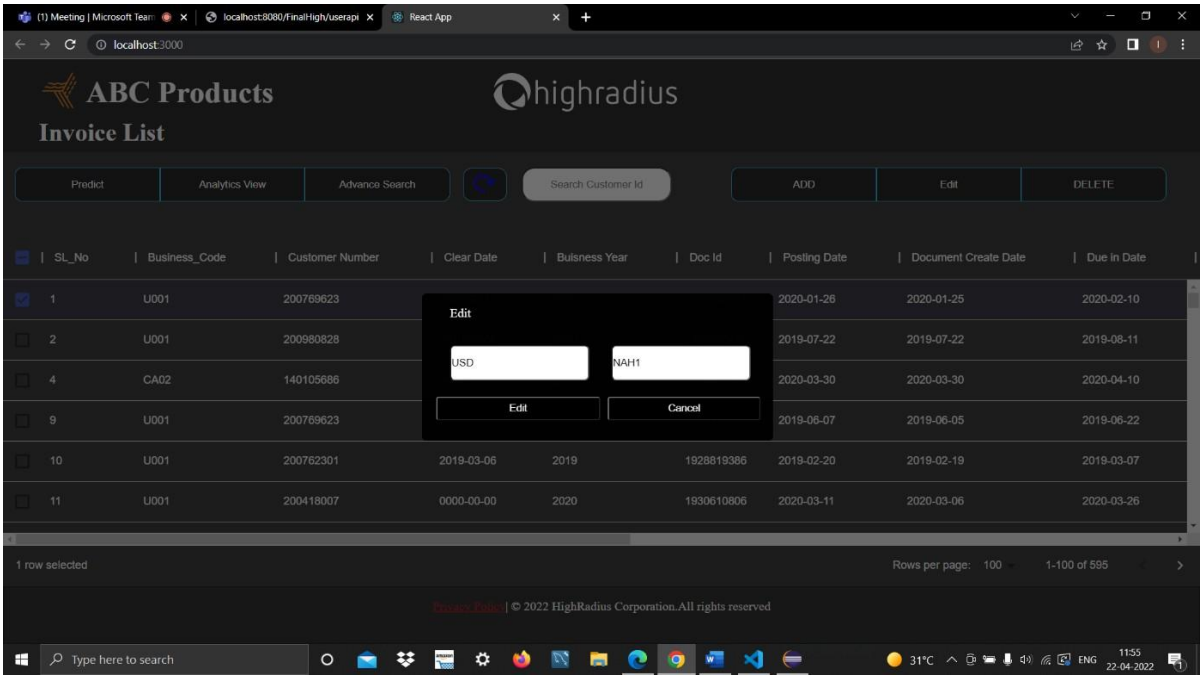
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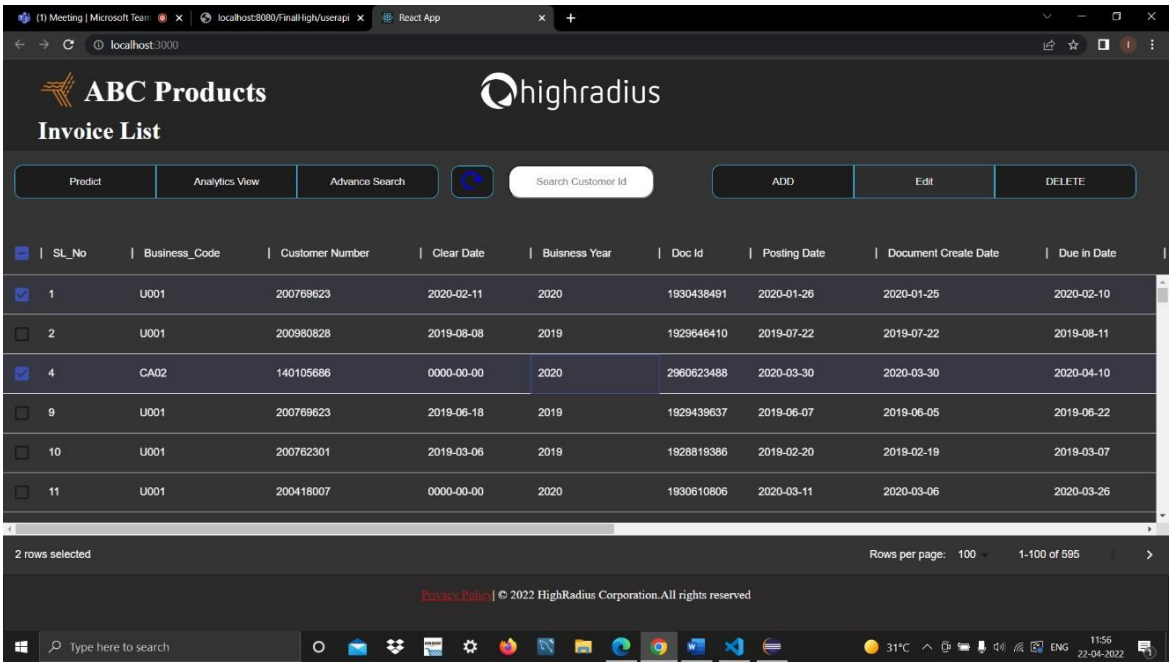
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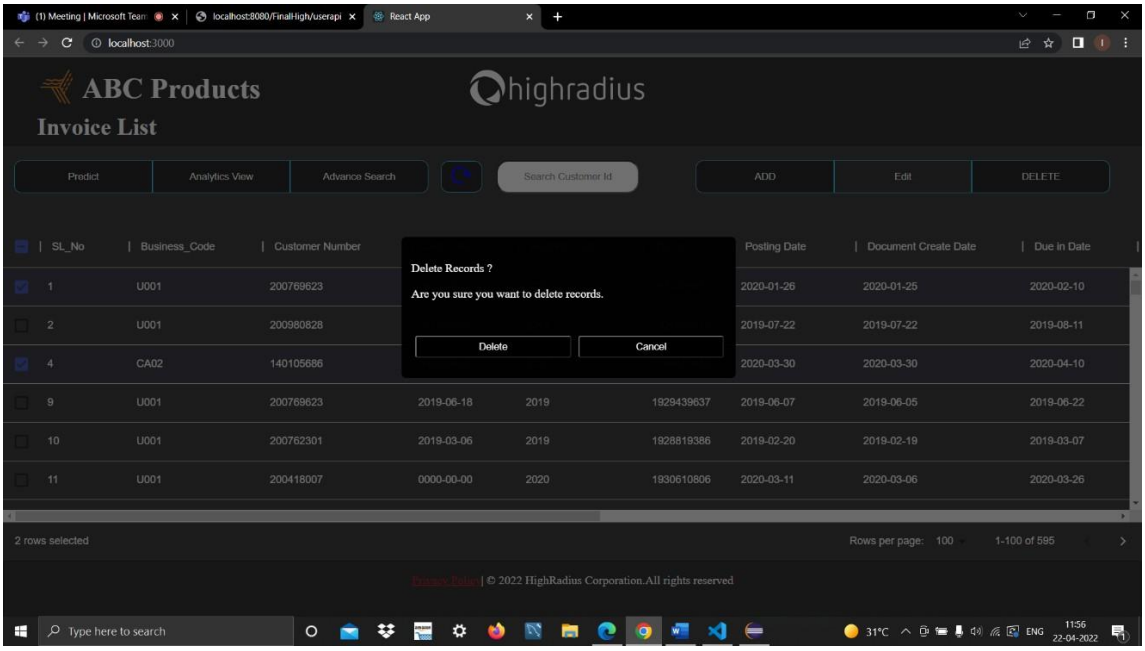
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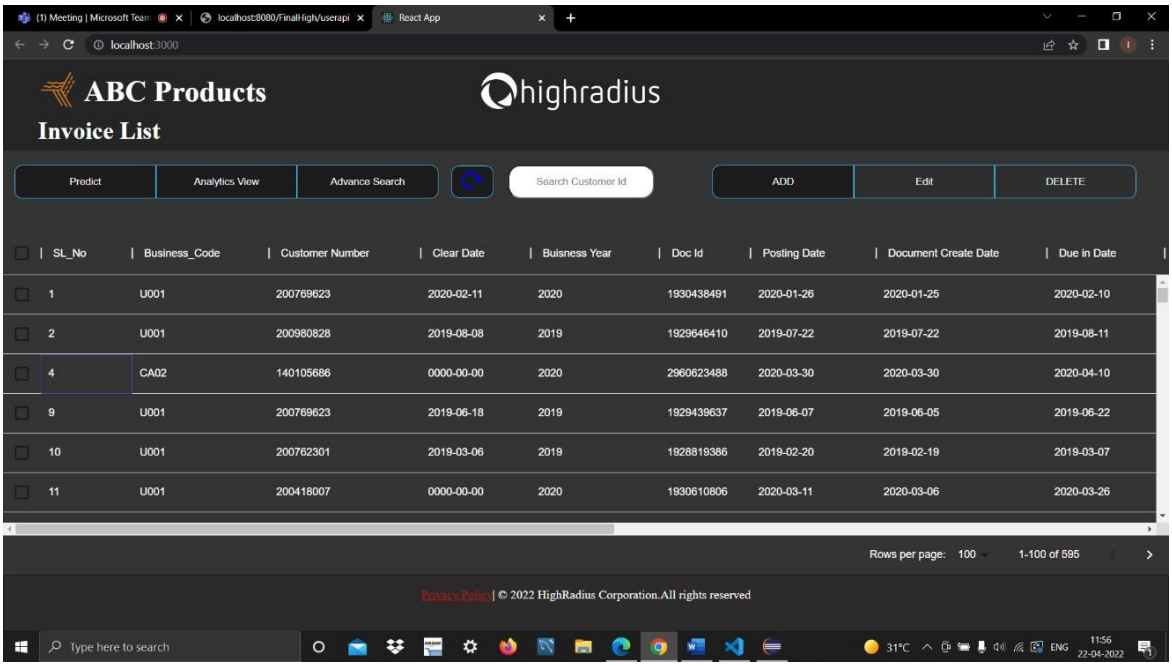
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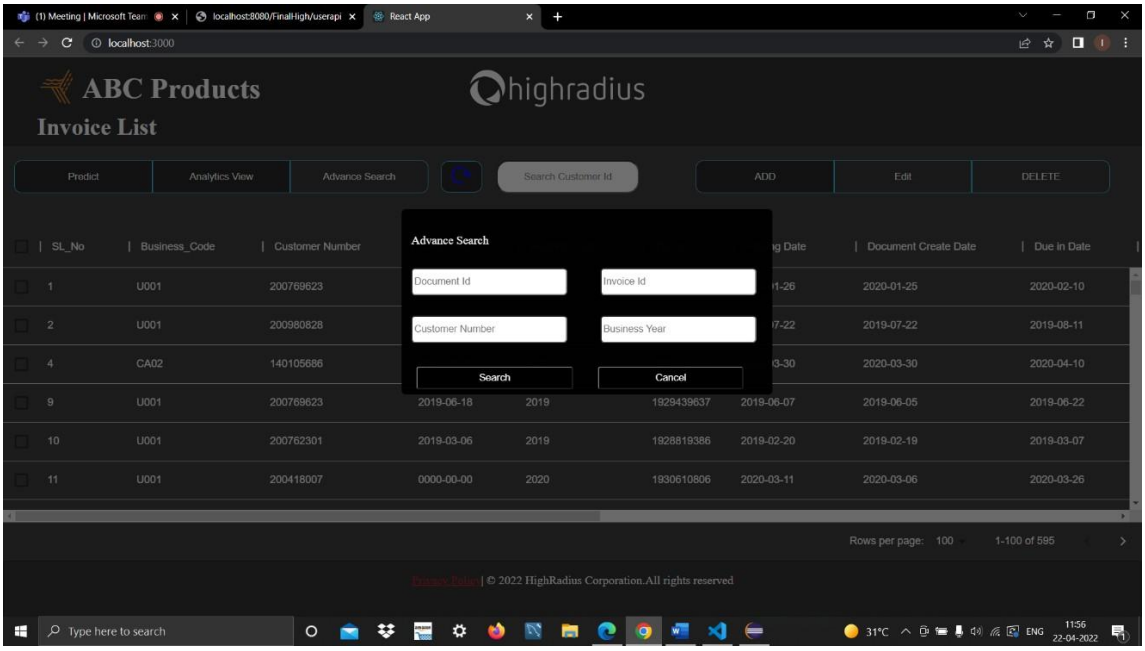
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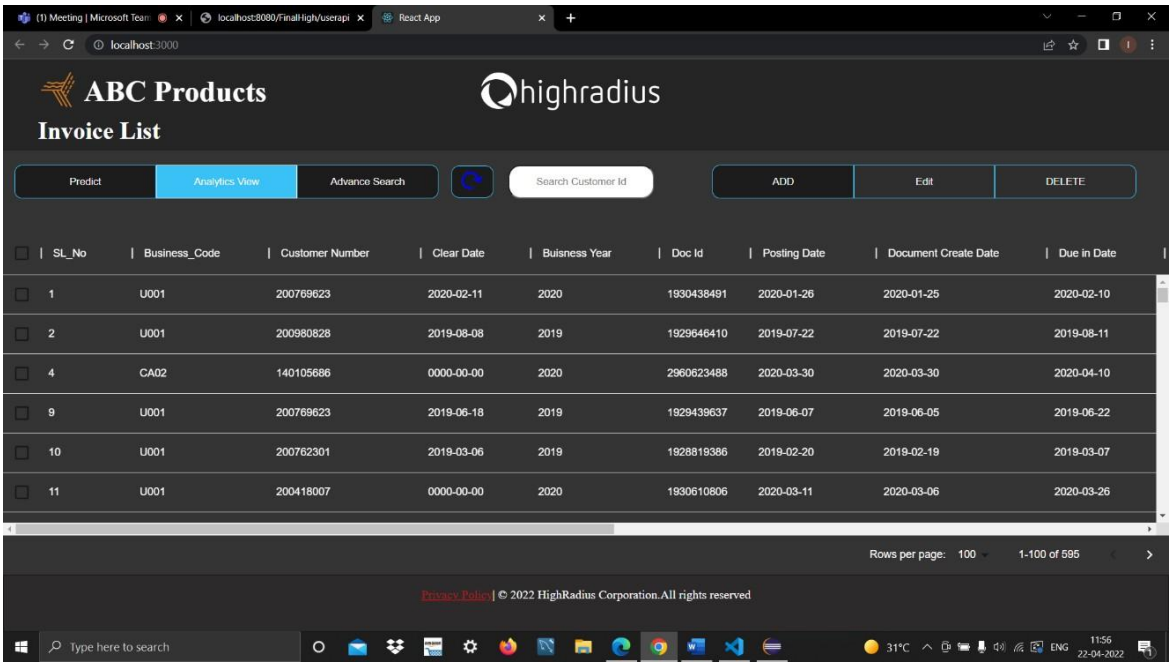
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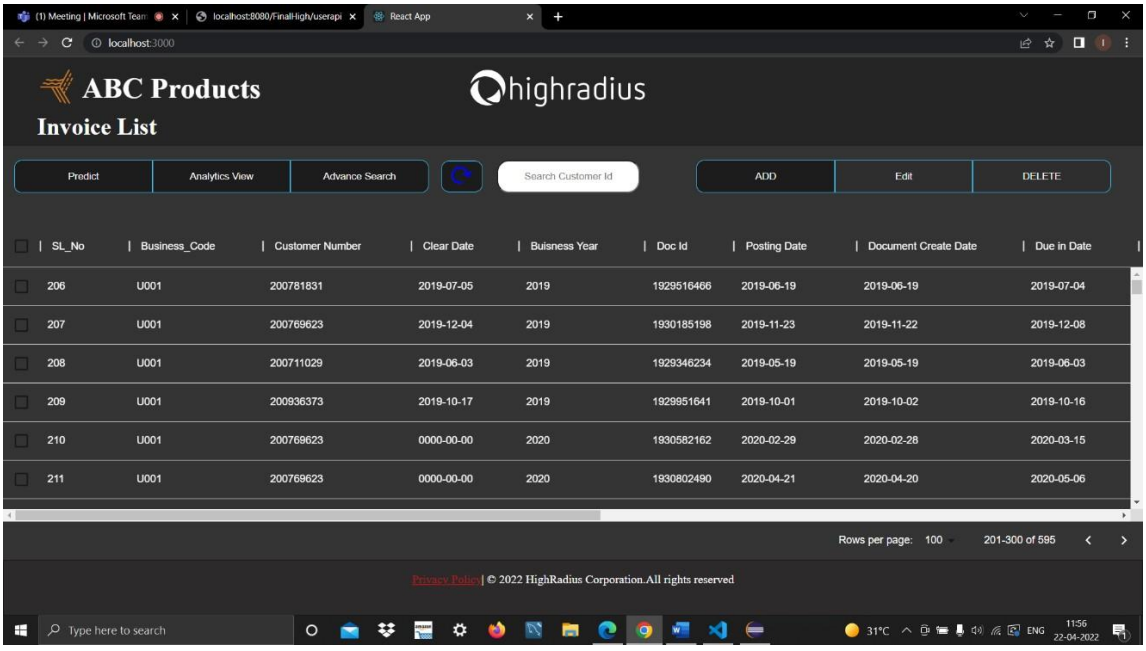
ABC Products
highradius
Invoice List
Predict
Analytics View
Advance Search
Search Customer Id
ADD
Edit
DELETE
SL_No | Business_Code | Customer Number | Clear Date | Buisness Year | Doc Id | Posting Date | Document Create Date | Due in Date
206 U001 200781831 2019-07-05 2019 1929516466 2019-06-19 2019-06-19 2019-07-04
207 U001 200769623 2019-12-04 2019 1930185198 2019-11-23 2019-11-22 2019-12-08
208 U001 200711029 2019-06-03 2019 1929346234 2019-05-19 2019-05-19 2019-06-03
209 U001 200936373 2019-10-17 2019 1929951641 2019-10-01 2019-10-02 2019-10-16
210 U001 200769623 0000-00-00 2020 1930582162 2020-02-29 2020-02-28 2020-03-15
211 U001 200769623 0000-00-00 2020 1930802490 2020-04-21 2020-04-20 2020-05-06
Rows per page: 100
201-300 of 595
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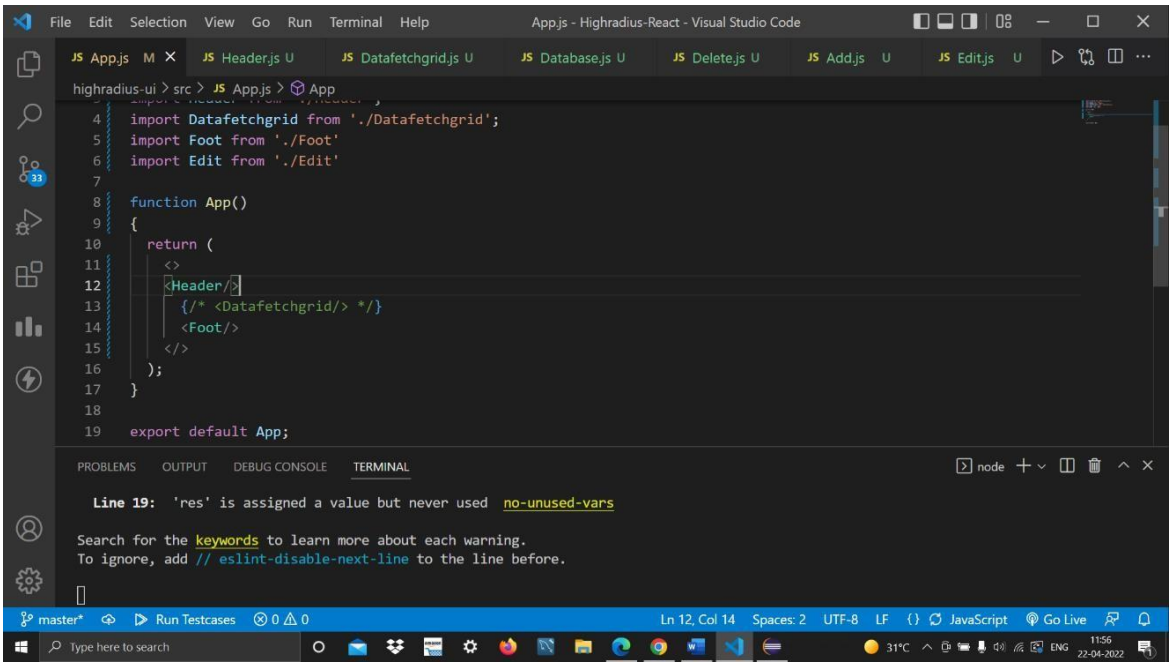
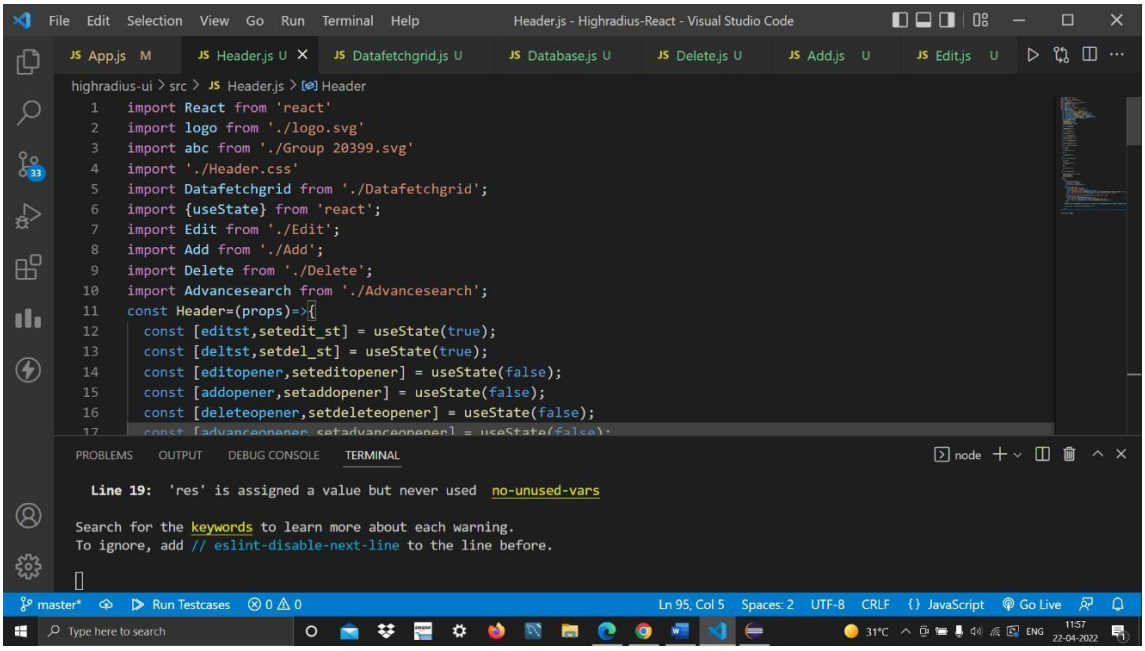
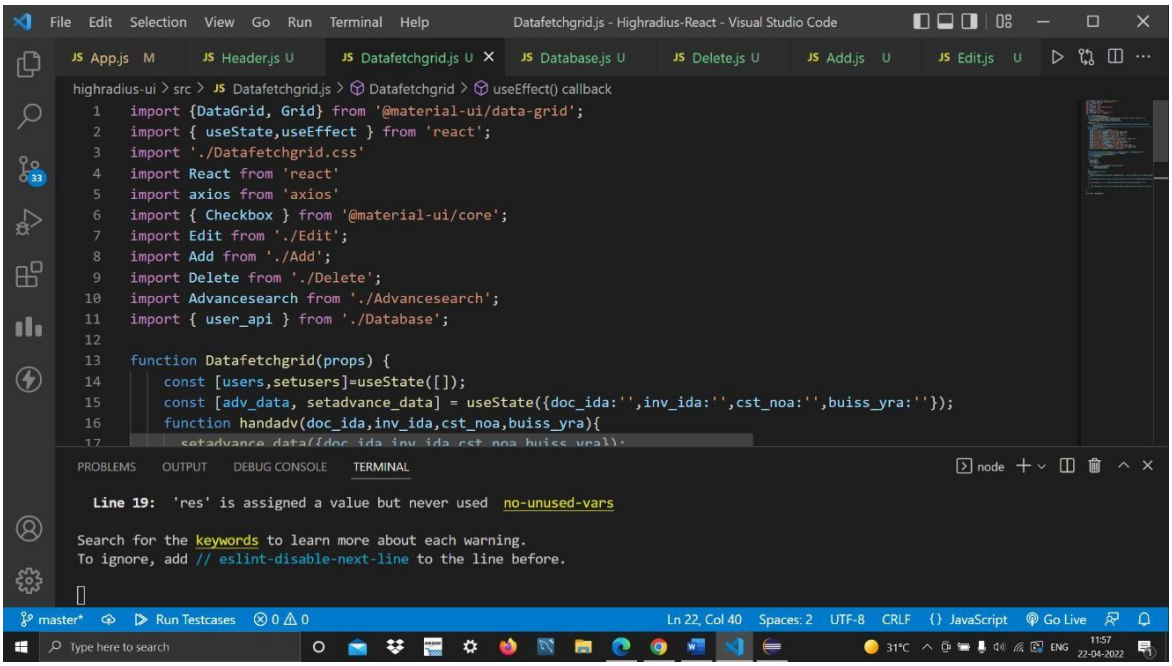
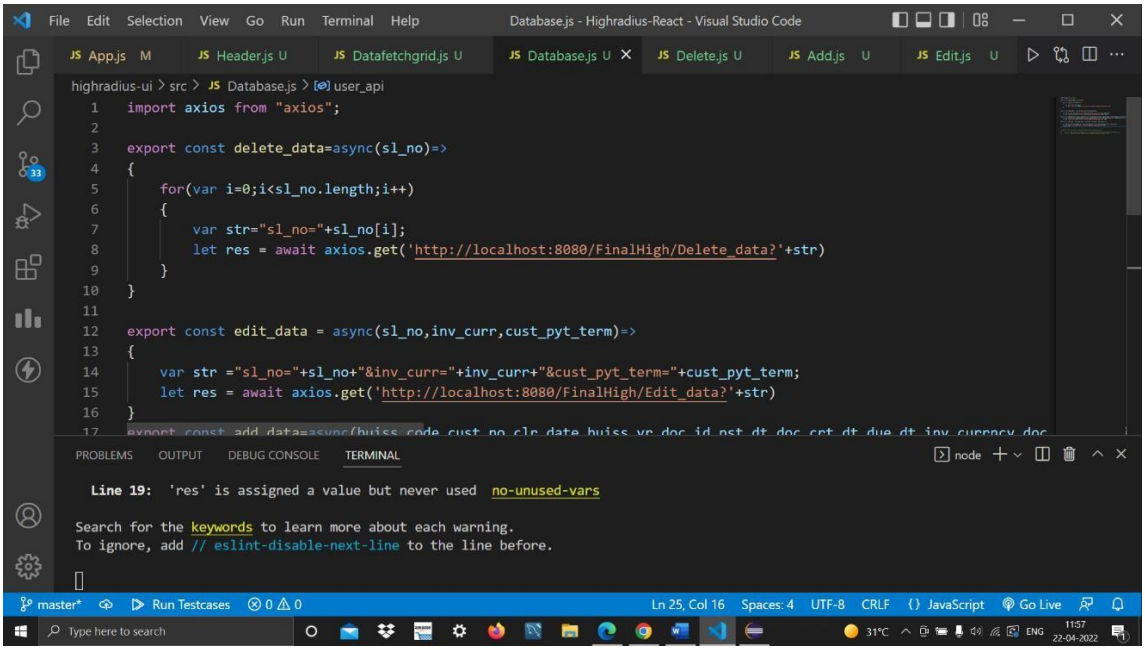
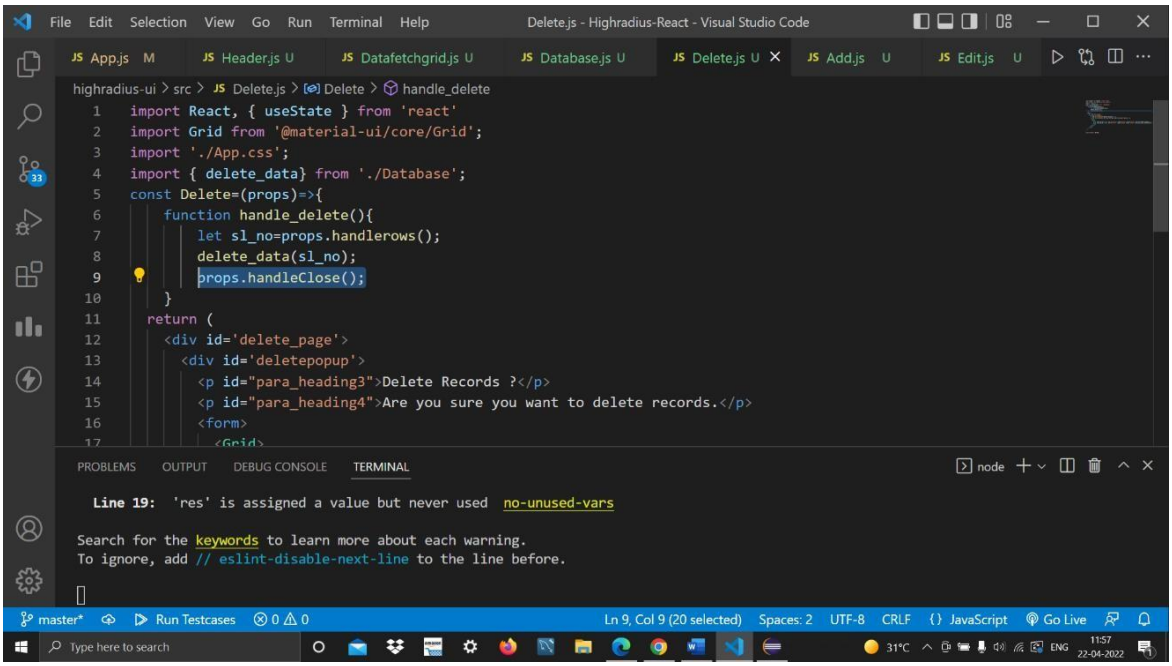

App.js - Highradius-React - Visual Studio Code
App.js M
Header.js U
Datafetchgrid.js U
Database.js U
Delete.js U
Add.js U
Edit.js U
highradius-ui > src > App.js > App
import Datafetchgrid from './Datafetchgrid';
import Foot from './Foot'
import Edit from './Edit'
function App()
{
return (
<>
<Header/>
{/* <Datafetchgrid/> */}
<Foot/>
</>
);
}
export default App;
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
node
Line 19: 'res' is assigned a value but never used no-unused-vars
Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.
master*
Run Testcases
Ln 12, Col 14
Spaces: 2
UTF-8
LF
JavaScript
Go Live
Type here to search

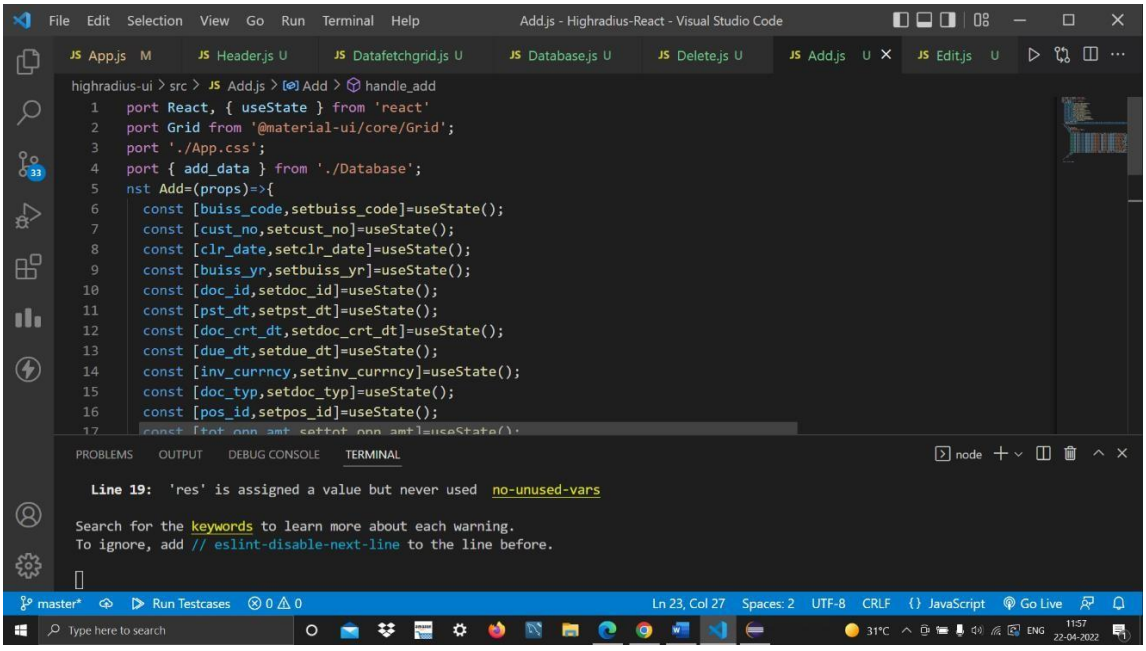

Header.js - Highradius-React - Visual Studio Code
App.js M
Header.js U
Datafetchgrid.js U
Database.js U
Delete.js U
Add.js U
Edit.js U
highradius-ui > src > Header.js > Header
import React from 'react'
import logo from './logo.svg'
import abc from './Group 20399.svg'
import './Header.css'
import Datafetchgrid from './Datafetchgrid';
import {useState} from 'react';
import Edit from './Edit';
import Add from './Add';
import Delete from './Delete';
import Advancesearch from './Advancesearch';
const Header=(props)=>{
const [editst,setedit_st] = useState(true);
const [deltst,setdel_st] = useState(true);
const [editopener,seteditopener] = useState(false);
const [addopener,setaddopener] = useState(false);
const [deleteopener,setdeleteopener] = useState(false);
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
node
Line 19: 'res' is assigned a value but never used no-unused-vars
Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.
master*
Run Testcases
Ln 95, Col 5
Spaces: 2
UTF-8
CRLF
JavaScript
Go Live
Type here to search

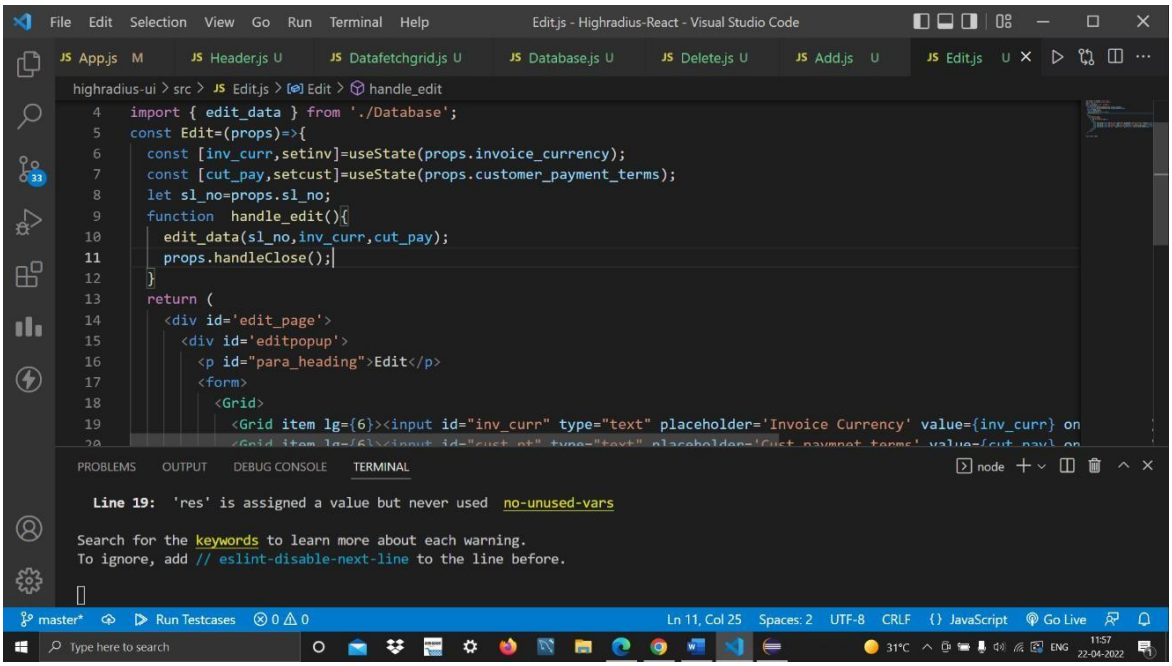

File Edit Selection View Go Run Terminal Help
Datafetchgrid.js - Highradius-React - Visual Studio Code
App.js M
Header.js U
Datafetchgrid.js U
Database.js U
Delete.js U
Add.js U
Edit.js U
highradius-ui > src > Datafetchgrid.js > Datafetchgrid > useEffect() callback
1 import {DataGrid, Grid} from '@material-ui/data-grid';
2 import { useState,useEffect } from 'react';
3 import './Datafetchgrid.css'
4 import React from 'react'
5 import axios from 'axios'
6 import { Checkbox } from '@material-ui/core';
7 import Edit from './Edit';
8 import Add from './Add';
9 import Delete from './Delete';
10 import Advancesearch from './Advancesearch';
11 import { user_api } from './Database';
12
13 function Datafetchgrid(props) {
14 const [users,setusers]=useState([]);
15 const [adv_data, setadvance_data] = useState({doc_ida:'',inv_ida:'',cst_noa:'',buiss_yra:''});
16 function handadv(doc_ida,inv_ida,cst_noa,buiss_yra){
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
node
Line 19: 'res' is assigned a value but never used no-unused-vars
Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.
master* Run Testcases 0 0
Ln 22, Col 40 Spaces: 2 UTF-8 CRLF JavaScript Go Live
Type here to search
31°C ENG 11:57 22-04-2022


File Edit Selection View Go Run Terminal Help
Database.js - Highradius-React - Visual Studio Code
App.js M
Header.js U
Datafetchgrid.js U
Database.js U
Delete.js U
Add.js U
Edit.js U
highradius-ui > src > Database.js > user_api
1 import axios from "axios";
2
3 export const delete_data=async(sl_no)=>
4 {
5 for(var i=0;i<sl_no.length;i++)
6 {
7 var str="sl_no="+sl_no[i];
8 let res = await axios.get('http://localhost:8080/FinalHigh/Delete_data?'+str)
9 }
10 }
11
12 export const edit_data = async(sl_no,inv_curr,cust_pyt_term)=>
13 {
14 var str ="sl_no="+sl_no+"&inv_curr="+inv_curr+"&cust_pyt_term="+cust_pyt_term;
15 let res = await axios.get('http://localhost:8080/FinalHigh/Edit_data?'+str)
16 }
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
node
Line 19: 'res' is assigned a value but never used no-unused-vars
Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.
master* Run Testcases 0 0
Ln 25, Col 16 Spaces: 4 UTF-8 CRLF JavaScript Go Live
Type here to search
31°C ENG 11:57 22-04-2022

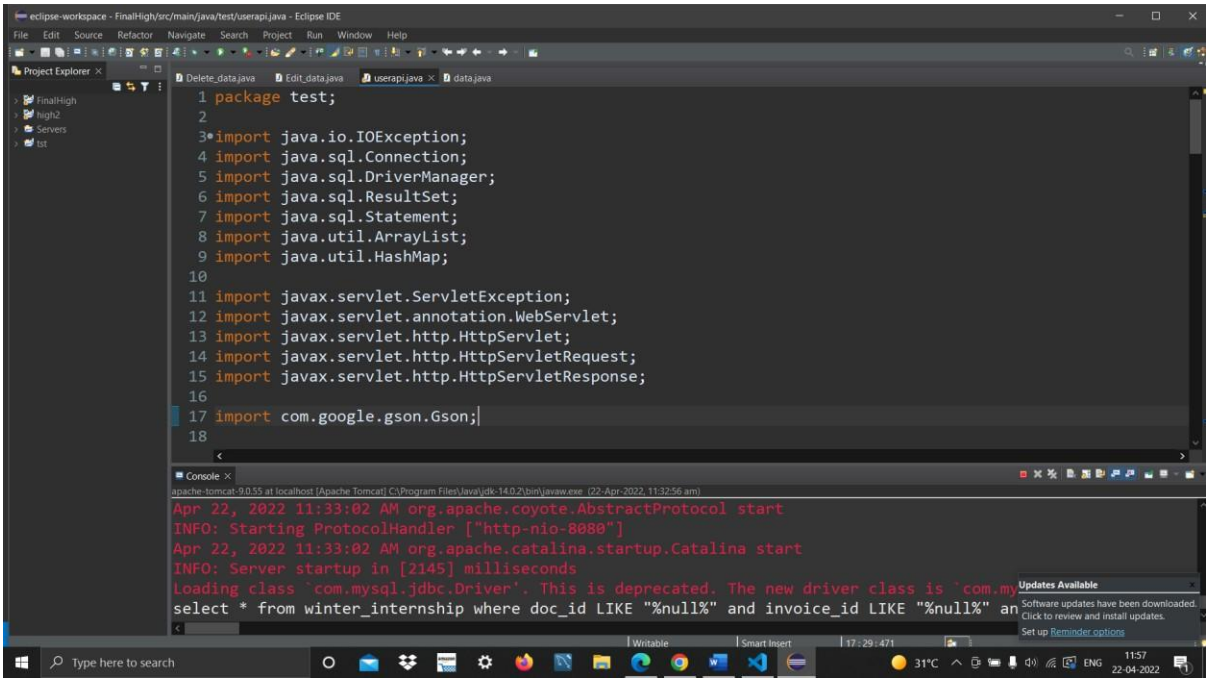

File Edit Selection View Go Run Terminal Help
Delete.js - Highradius-React - Visual Studio Code
App.js M
Header.js U
Datafetchgrid.js U
Database.js U
Delete.js U
Add.js U
Edit.js U
highradius-ui > src > Delete.js > Delete > handle_delete
import React, { useState } from 'react'
import Grid from '@material-ui/core/Grid';
import './App.css';
import { delete_data} from './Database';
const Delete=(props)=>{
function handle_delete(){
let sl_no=props.handlerows();
delete_data(sl_no);
props.handleClose();
}
return (

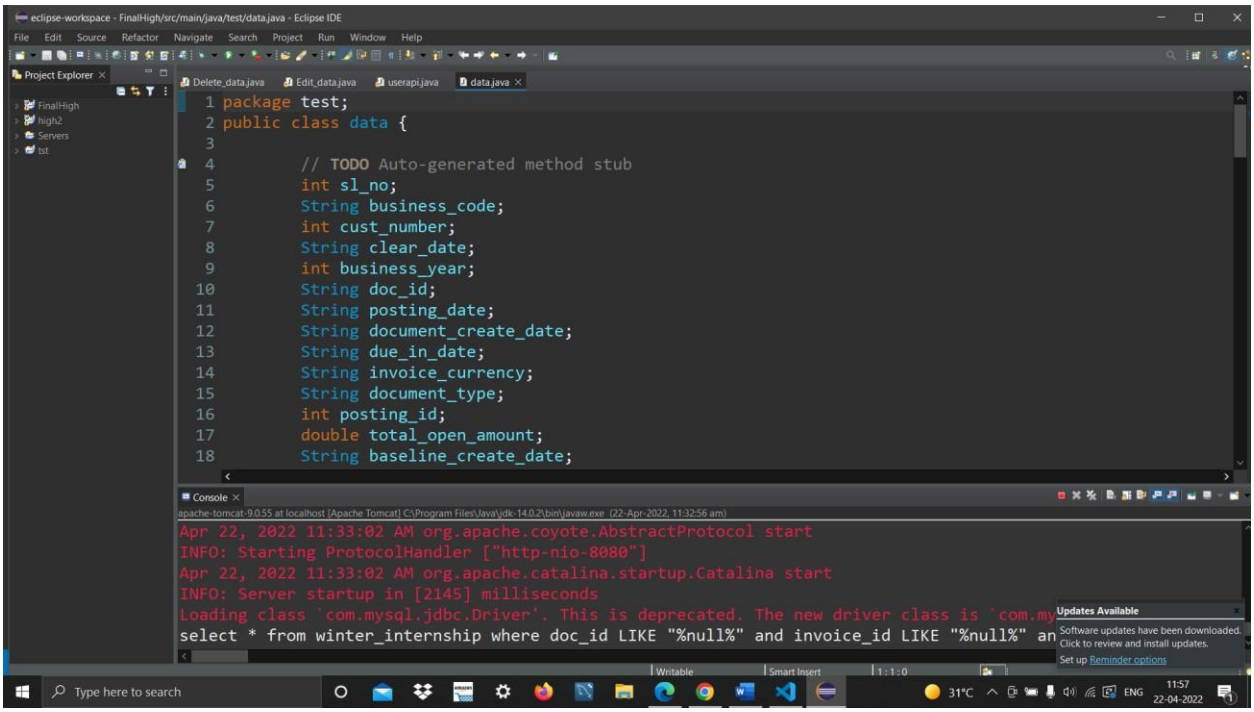
Delete Records ?
Are you sure you want to delete records.
<form>
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
node
Line 19: 'res' is assigned a value but never used no-unused-vars
Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.
master* Run Testcases 0 0
Ln 9, Col 9 (20 selected) Spaces: 2 UTF-8 CRLF JavaScript Go Live
Type here to search
31°C
ENG
11:57
22-04-2022

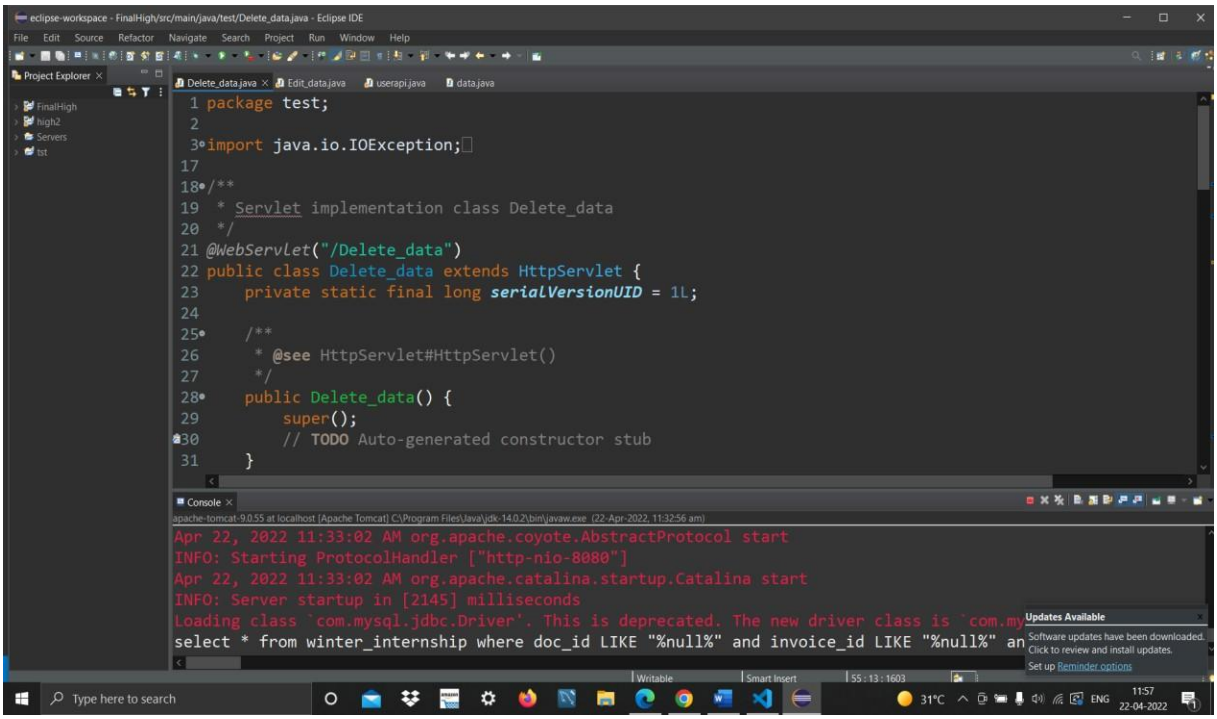

File Edit Selection View Go Run Terminal Help
Add.js - Highradius-React - Visual Studio Code
App.js M
Header.js U
Datafetchgrid.js U
Database.js U
Delete.js U
Add.js U
Edit.js U
highradius-ui > src > Add.js > Add > handle_add
port React, { useState } from 'react'
port Grid from '@material-ui/core/Grid';
port './App.css';
port { add_data } from './Database';
nst Add=(props)=>{
const [buiss_code,setbuiss_code]=useState();
const [cust_no,setcust_no]=useState();
const [clr_date,setclr_date]=useState();
const [buiss_yr,setbuiss_yr]=useState();
const [doc_id,setdoc_id]=useState();
const [pst_dt,setpst_dt]=useState();
const [doc_crt_dt,setdoc_crt_dt]=useState();
const [due_dt,setdue_dt]=useState();
const [inv_currncy,setinv_currncy]=useState();
const [doc_typ,setdoc_typ]=useState();
const [pos_id,setpos_id]=useState();
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
node
Line 19: 'res' is assigned a value but never used no-unused-vars
Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.
master* Run Testcases 0 0
Ln 23, Col 27 Spaces: 2 UTF-8 CRLF JavaScript Go Live
Type here to search
31°C
ENG
11:57
22-04-2022

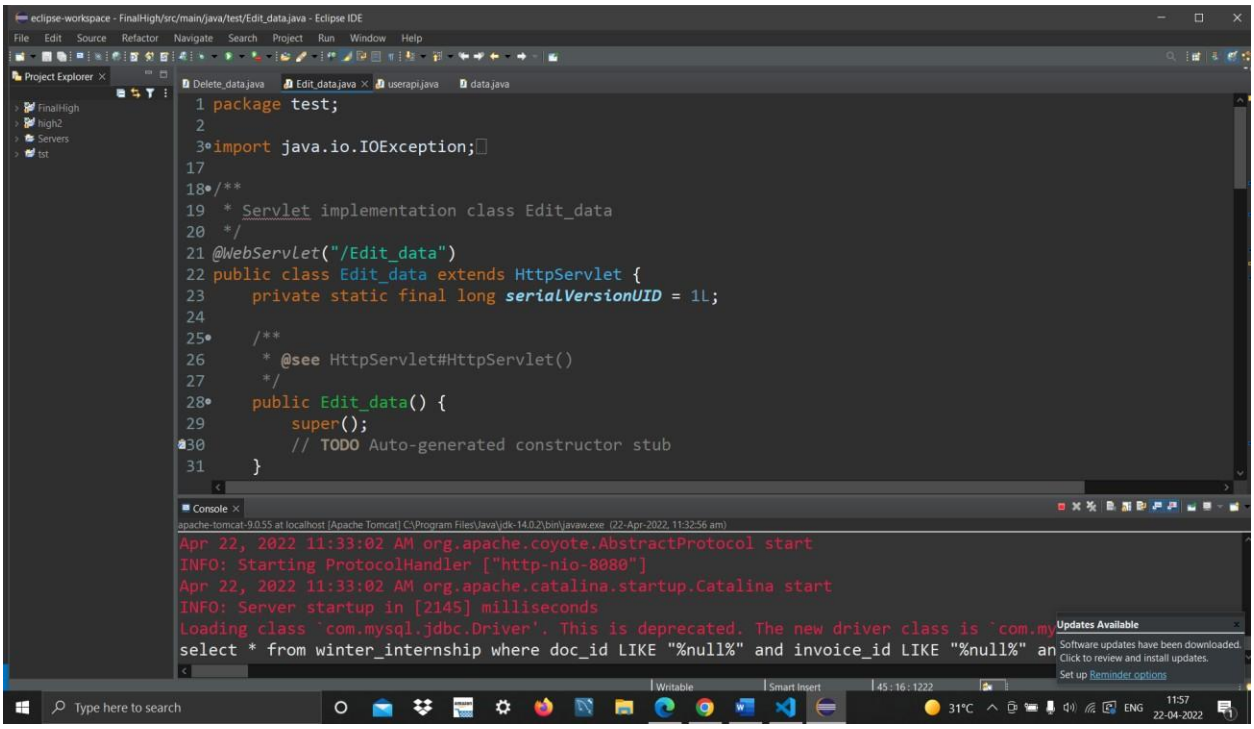

File Edit Selection View Go Run Terminal Help
Edit.js - Highradius-React - Visual Studio Code
App.js M
Header.js U
Datafetchgrid.js U
Database.js U
Delete.js U
Add.js U
Edit.js U
highradius-ui > src > Edit.js > Edit > handle_edit
import { edit_data } from './Database';
const Edit=(props)=>{
const [inv_curr,setinv]=useState(props.invoice_currency);
const [cut_pay,setcust]=useState(props.customer_payment_terms);
let sl_no=props.sl_no;
function handle_edit(){
edit_data(sl_no,inv_curr,cut_pay);
props.handleClose();
}
return (

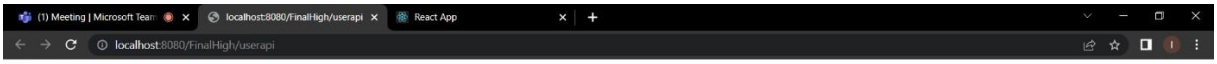
Edit
<form>
<Grid>
<Grid item lg={6}><input id="inv_curr" type="text" placeholder='Invoice Currency' value={inv_curr} on
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
node
Line 19: 'res' is assigned a value but never used no-unused-vars
Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.
master* Run Testcases 0 0
Ln 11, Col 25 Spaces: 2 UTF-8 CRLF JavaScript Go Live
Type here to search
31°C ENG 11:57 22-04-2022


eclipse-workspace - FinalHigh/src/main/java/test/userapi.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
FinalHigh
high2
Servers
tst
Delete_data.java
Edit_data.java
userapi.java
data.java
package test;
import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.HashMap;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import com.google.gson.Gson;
Console
apache-tomcat-9.0.55 at localhost [Apache Tomcat] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (22-Apr-2022, 11:32:56 am)
Apr 22, 2022 11:33:02 AM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8080"]
Apr 22, 2022 11:33:02 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in [2145] milliseconds
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.my
select * from winter_internship where doc_id LIKE "%null%" and invoice_id LIKE "%null%" an
Updates Available
Software updates have been downloaded.
Click to review and install updates.
Set up Reminder options
Writable
Smart Insert
17 : 29 : 471
Type here to search
31°C ENG 11:57 22-04-2022


eclipse-workspace - FinalHigh/src/main/java/test/data.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
FinalHigh
high2
Servers
tst
Delete_data.java
Edit_data.java
userapi.java
data.java
1 package test;
2 public class data {
3
4 // TODO Auto-generated method stub
5 int sl_no;
6 String business_code;
7 int cust_number;
8 String clear_date;
9 int business_year;
10 String doc_id;
11 String posting_date;
12 String document_create_date;
13 String due_in_date;
14 String invoice_currency;
15 String document_type;
16 int posting_id;
17 double total_open_amount;
18 String baseline_create_date;
Console
apache-tomcat-9.0.55 at localhost [Apache Tomcat] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (22-Apr-2022, 11:32:56 am)
Apr 22, 2022 11:33:02 AM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8080"]
Apr 22, 2022 11:33:02 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in [2145] milliseconds
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.my
select * from winter_internship where doc_id LIKE "%null%" and invoice_id LIKE "%null%" an
Updates Available
Software updates have been downloaded.
Click to review and install updates.
Set up Reminder options
Writable
Smart Insert
1 : 1 : 0
Type here to search
31°C
ENG
11:57
22-04-2022


eclipse-workspace - FinalHigh/src/main/java/test/Delete_data.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
FinalHigh
high2
Servers
tst
Delete_data.java
Edit_data.java
userapi.java
data.java
1 package test;
2
3 import java.io.IOException;
17
18 /**
19 * Servlet implementation class Delete_data
20 */
21 @WebServlet("/Delete_data")
22 public class Delete_data extends HttpServlet {
23 private static final long serialVersionUID = 1L;
24
25 /**
26 * @see HttpServlet#HttpServlet()
27 */
28 public Delete_data() {
29 super();
30 // TODO Auto-generated constructor stub
31 }
Console
apache-tomcat-9.0.55 at localhost [Apache Tomcat] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (22-Apr-2022, 11:32:56 am)
Apr 22, 2022 11:33:02 AM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8080"]
Apr 22, 2022 11:33:02 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in [2145] milliseconds
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.my
select * from winter_internship where doc_id LIKE "%null%" and invoice_id LIKE "%null%" an
Updates Available
Software updates have been downloaded.
Click to review and install updates.
Set up Reminder options
Writable
Smart Insert
55 : 13 : 1603
Type here to search
31°C
ENG
11:57
22-04-2022


eclipse-workspace - FinalHigh/src/main/java/test/Edit_data.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
FinalHigh
high2
Servers
tst
Delete_data.java
Edit_data.java
userapi.java
data.java
1 package test;
2
3 import java.io.IOException;
17
18 /**
19 * Servlet implementation class Edit_data
20 */
21 @WebServlet("/Edit_data")
22 public class Edit_data extends HttpServlet {
23 private static final long serialVersionUID = 1L;
24
25 /**
26 * @see HttpServlet#HttpServlet()
27 */
28 public Edit_data() {
29 super();
30 // TODO Auto-generated constructor stub
31 }
Console
apache-tomcat-9.0.55 at localhost [Apache Tomcat] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (22-Apr-2022, 11:32:56 am)
Apr 22, 2022 11:33:02 AM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8080"]
Apr 22, 2022 11:33:02 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in [2145] milliseconds
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.my
select * from winter_internship where doc_id LIKE "%null%" and invoice_id LIKE "%null%" an
Updates Available
Software updates have been downloaded.
Click to review and install updates.
Set up Reminder options
Writable
Smart Insert
45 : 16 : 1222
Type here to search
31°C
ENG
11:57
22-04-2022


(1) Meeting | Microsoft Team
localhost:8080/FinalHigh/userapi
React App
localhost:8080/FinalHigh/userapi

{"records":[]}

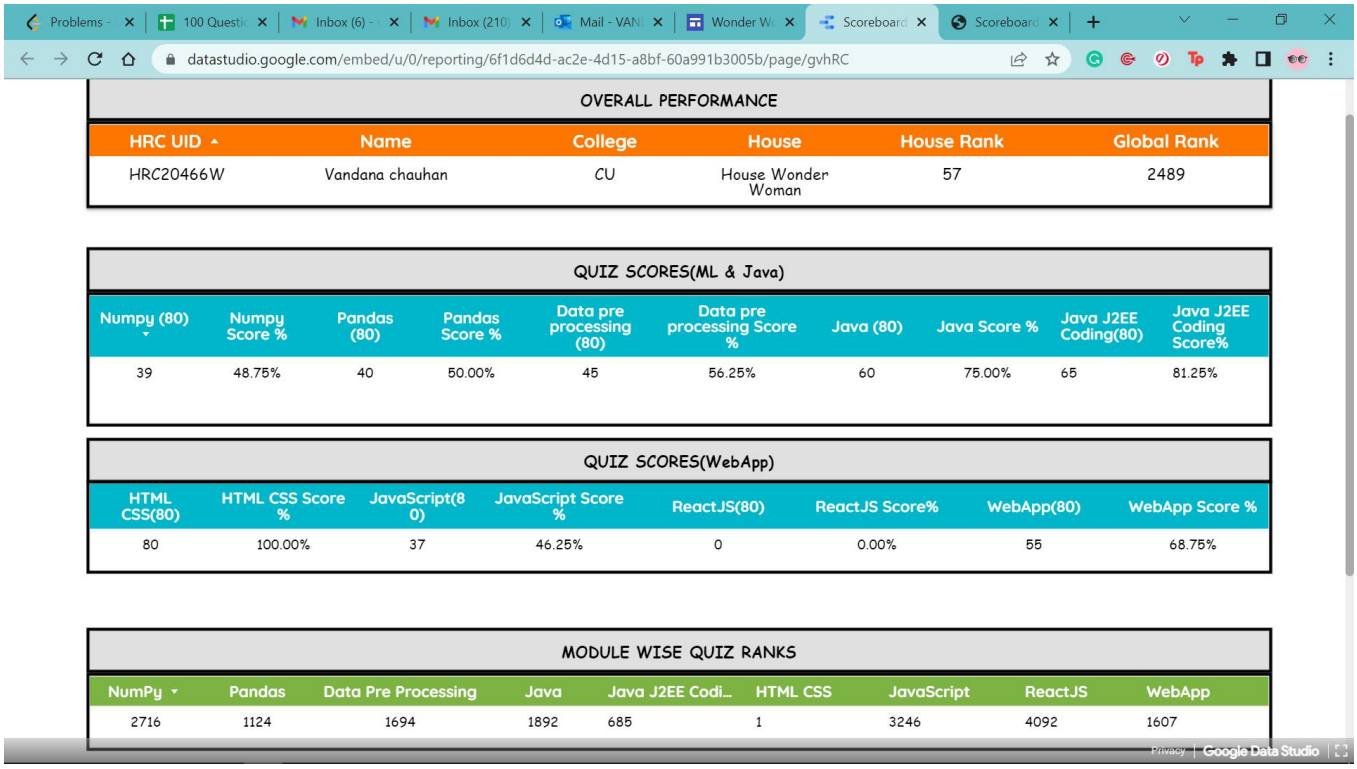

Type here to search
31°C
ENG
11:58
22-04-2022

Challenges Faced:

a. First need to learn about different technologies which are needed during project.
b. Managing time along with college studies, because need to learn and then make a project on new thing was time consuming.

11. Conclusion:

These are the screen shots of my scorecard



OVERALL PERFORMANCE

HRC UID	Name	College	House	House Rank	Global Rank
HRC20466W	Vandana chauhan	CU	House Wonder Woman	57	2489

QUIZ SCORES(ML & Java)

Numpy (80)	Numpy Score %	Pandas (80)	Pandas Score %	Data pre processing (80)	Data pre processing Score %	Java (80)	Java Score %	Java J2EE Coding(80)	Java J2EE Coding Score%
39	48.75%	40	50.00%	45	56.25%	60	75.00%	65	81.25%

QUIZ SCORES(WebApp)

HTML CSS(80)	HTML CSS Score %	JavaScript(80)	JavaScript Score %	ReactJS(80)	ReactJS Score%	WebApp(80)	WebApp Score %
80	100.00%	37	46.25%	0	0.00%	55	68.75%

MODULE WISE QUIZ RANKS

NumPy	Pandas	Data Pre Processing	Java	Java J2EE Codi...	HTML CSS	JavaScript	ReactJS	WebApp
2716	1124	1694	1892	685	1	3246	4092	1607

12. References:

https://www.highradius.com/

https://www.youtube.com/c/CampusX-official

https://www.youtube.com/watch?v=ZftI2fEz0Fw&list=PLKnIA16_Rmvbr7zKYQuBfsVkjoLcJgxHH

https://www.youtube.com/user/krishnaik06

https://www.youtube.com/watch?v=3OrEsC-QjUA&t=190s