Spring + React Assessment

Q5) Railway Reservation System

The Railway Reservation System will provide the available Train-list, and Seat availability, via-details. To book a ticket passengers can pay through online/offline mode. After successful payment of the ticket fare the System will generate the ticket and PNR no. will be given to the passenger.

By,

Abishek K - 12120

Railway Reservation System – W3H Analysis

What?	How?					
What is the implementation required to	1)Question:					
be implemented?	Method1: Through the mobile number.					
	Method2: Through the email-id.					
USER:	Method3: Through the both number or					
1) Question:	email-id.					
Do you want the user to register in your						
webpage?	2)Question:					
Ans: yes, user want to register the page.	Method1: By note the starting point of the					
	user					
2) Question:	Method2: By note the ending point of the					
Do you want the user to book the train?	user.					
Ans: yes, user want to book the train.	Method3: By note both the starting point					
•	and ending point.					
3) Question:						
Do to you want the guest to	3)Question:					
add/update/delete/view their details?	Method1: User able to add/update details					
Ans: yes, user want to do this operation.	Method2: User able to delete/ view details					
•	Method3: User able to					
4) Question:	add/update/delete/view their details.					
How user pay fare for the train?	·					
Ans: yes, user want to pay the fare for train,	4)Question:					
by payment method.	Method1: Through the bank transfer					
	Method2: Through the upi, cards method					
5) Question:	Method3: Through the both bank and					
User able to give reviews ?	card,upi					
Ans: yes, user make an reviews.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
, ,	5)Question:					
	Method1: Review through the Text					
6) Question:	message.					
User able to cancel the ticket?	Method2: Review through the Audio.					
Ans: yes, user can able to cancel the ticket	Method3: Through the both Text and Audio					
, ,						

ADMIN:	6)Question:

7) Question:

Do you want the admin to add/update/delete the room details?

Ans: yes, admin able to do this operations.

8) Question:

Do you want the admin can able to monitor the all activities?

Ans: yes, admin able to monitor.

9) Question:

The admin can able to cancel the ticket status?

Ans: yes, admin can able to cancel.

10) Question:

Admin can able to view the user details? Ans: yes, admin can able to view.

Method1: Through train number. **Method2:** Through the ticket id

Method3: Through the both ticket-id and

train number

Admin:

7)Question:

Method1: Admin able to add/update

details train details.

Method2: Admin able to delete/ view

details

Method3: Admin able to

add/update/delete/view details of train.

8)Question:

Method1: Entering the admin name.
Method2: Entering the admin-id.
Method3: Entering the admin login

credentials.

9)Question:

Method1: Through the specific train

number to cancel..

Method2: Through the train name to

cancel the room.

Method3: Through the specific ticket-id.

10)Question:
Method1: Enter the user name.
Method2: Enter the user Mobile number.
Method3: Enter the user login credentials
to view the details of guest.

Why?	Why Not?
1)Question:	1)Question:
Method3: Through the both number or	
email-id. (Through the both number and	

email-id user can easily register and login into the page)

2)Question:

Method3: By note both the starting point and ending point. (By note the both starting and ending point only we can easily book the ticket)

3)Question:

Method3: user able to

add/update/delete/view their details. (If giving an access to guest can to do all operation and it is user friendly for the guest)

Some of them are not having the email-id, if provide the mobile number easily to register and login.

2)Question:

By note the both starting point and ending point of the user is important.

3)Question:

If restrict the some operation to the user it make difficult to the user to make some operation in the page.

4)Question:

By making the many payment method it is very easier for the guest to pay and avoid the failures.

5)Question:

By giving the review in both text and audio other user can easily understand about the hotel facilities

4)Question:

Method3: Through the both bank and card methods. (By many payment methods to avoid the transaction failure)

5)Question:

Method3: Through the both Text and Audio (By giving the review in both text and audio other user can easily understand about the hotel facilities)

6)Question:

Method3: Through the both ticket-id and train number. (It is easy for to cancel the ticket user friendly)

Admin:

7)Question:

6)Question:

If the user cannot able to cancel the ticket it is not an user friendly to the user or passenger.

7)Question:

We cannot the restrict the operation to the admin.

8)Question:

By entering the admin name and id it is not safe for the logging other than the login credentials.

9)Question:

Through the specific train name and number make difficult to cancel the train.

10)Question:

Method3: Admin able to add/update/delete/view details of room. (It is the main operation of the admin.)

By entering the user mobile number and name is not safe and make difficult to view the user portal.

8)Question:

Method3: Entering the admin login credentials. (By entering the login credentials of admin is the only way to safe to login in the admin portal)

9)Question:

Method3: .Through the specific room-id. (Through the specific room-id only easily cancel the room and avoid the confusion about the room details)

10)Question:

Method3: Enter the guest login credentials to view the details of guest (It is the safest way to login, to perform the operation in the guest profile admin can able to login)

Algorithm for the User:

Step-1: START

Step-2: open the browser.

Step-3: open the Railway Reservation Page (Login page).

Step-4: Enter the login credential of the user, if the credentials are correct it will redirect into the reservation page. If the credentials are wrong, it again redirects to the main page.

Step-5: Reservation page will open.

Step-6: Enter the starting point and ending point of the user.

Step-7: Available trains on the route will be shown.

Step-8: choose the train, check the availability of the seat in the train.

Step-9: If the seat is available you will move to the booking process, or else the seat is not available you will redirect to choose another train.

Step-10: If the seat is available and the train is chosen, you will redirect to the booking process.

Step-11: Enter the passenger details like name, age, mobile number, no. of. Passengers.

Step-12: Select the anyone of the payment method to pay the fare.

Step-13: If the payment is made you will receive the confirmation email and e-ticket.

Step-14: END

Algorithm for the Admin:

Step1: START

Step2: open the browser

Step3: open the Railway Reservation Page (Admin-Login page)

Step4: Enter the login credentials

Step5: The Login credentials are correct; you move to main page. Otherwise, Re-Enter

the Login credentials.

Step6: Add the details of the Train/User.

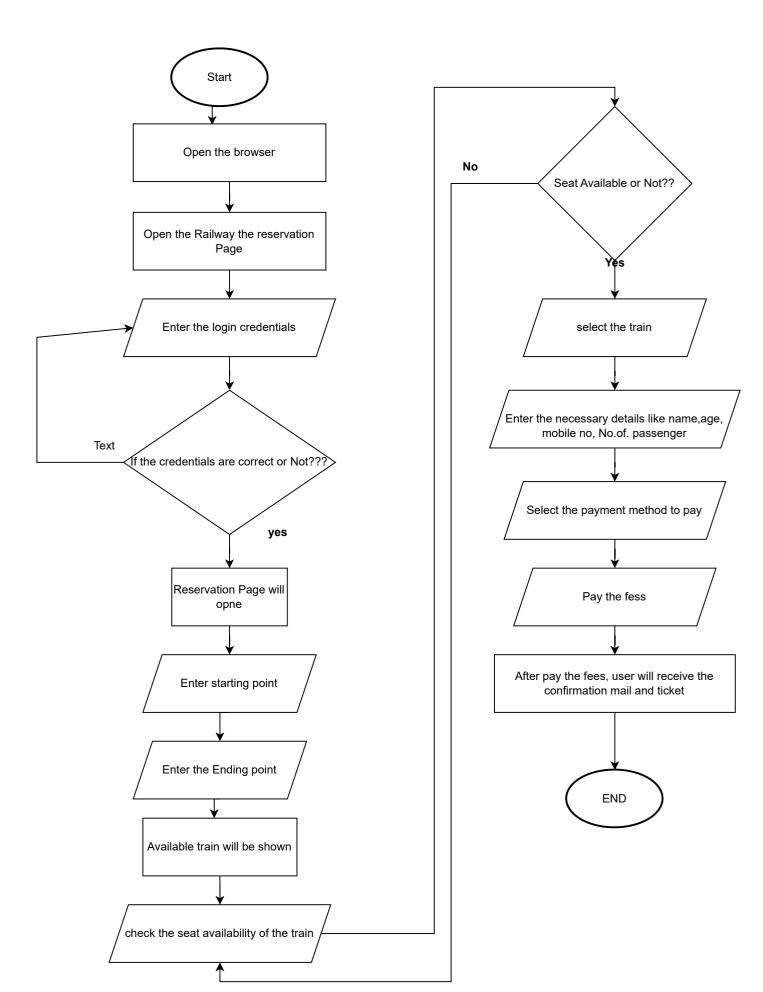
Step7: Update the details of the Train/User.

Step8: View the details of the Train/User.

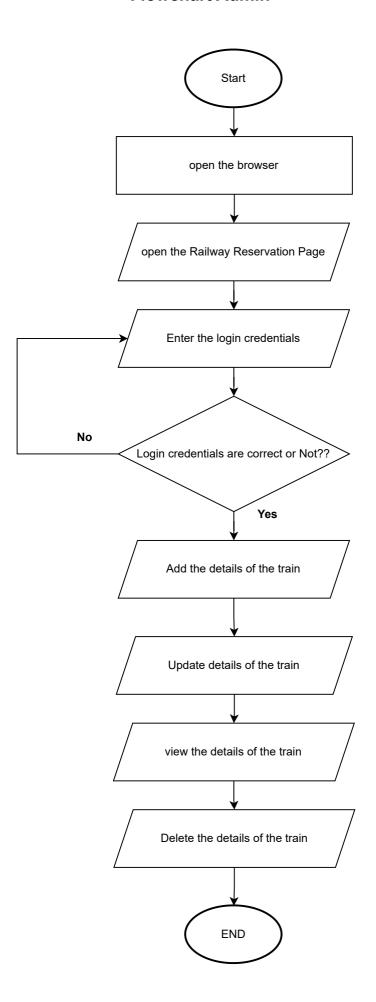
Step9: Delete the details of the Train/User.

Step10: END

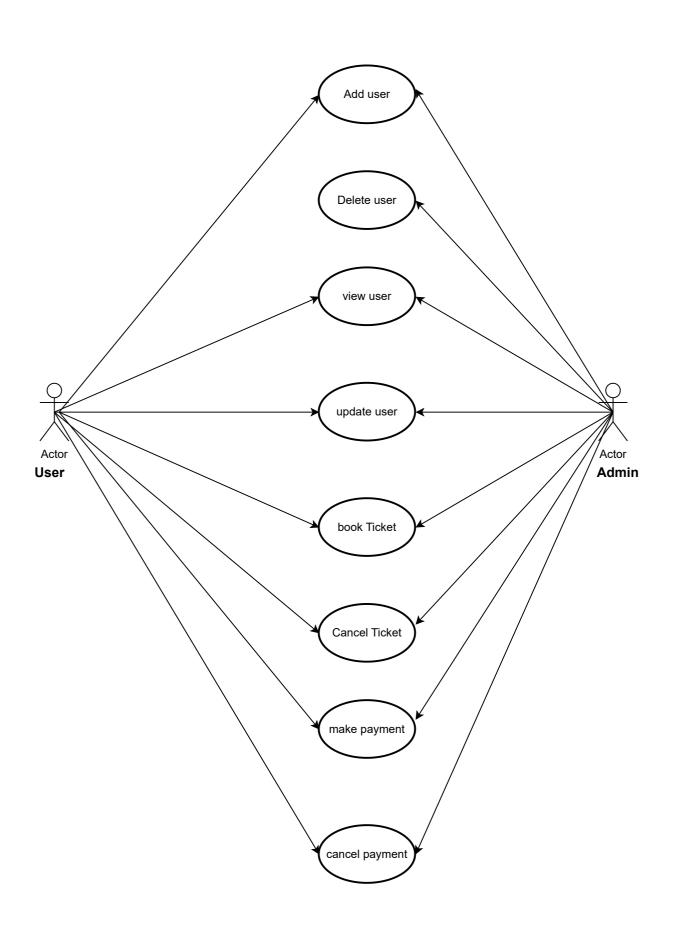
Flowchart - User



Flowchart Admin

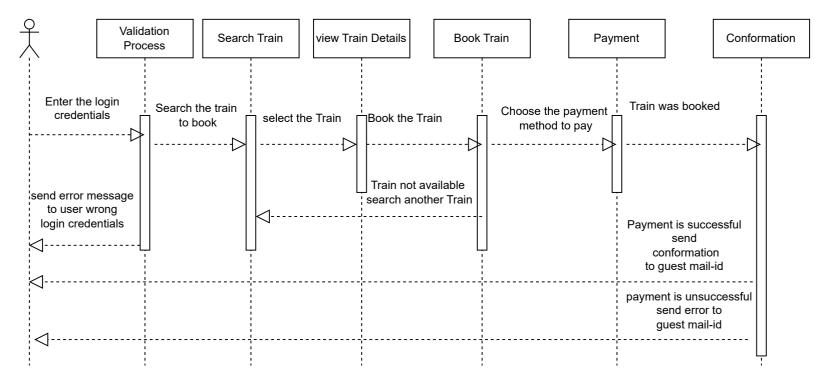


UseCase Diagram

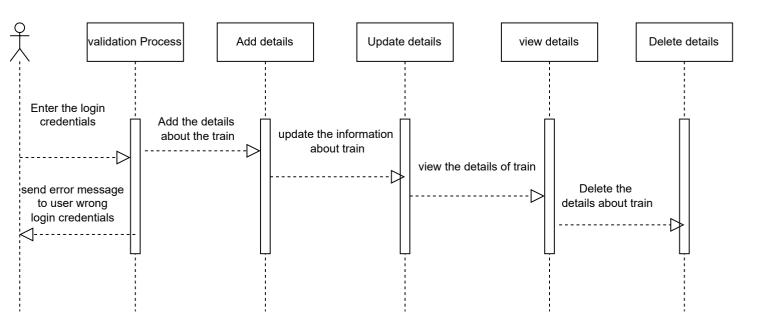


Sequence Diagram

USER



Admin



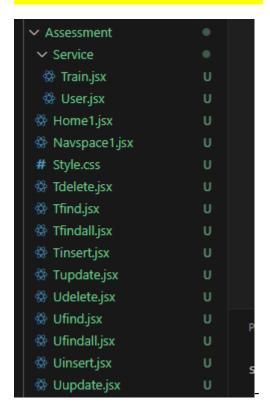
Folder Structure in SpingBoot:

- > 📂 RevisionSpring ✓ SB-Assessment [boot] [devtools] ∨ 🕮 src/main/java →

 ⊕ com.rss > I ServletInitializer.java 🗸 🏭 com.rss.bean > 🚺 Train.java > J User.java > I TrainController.java > 🕡 UserController.java 🗸 🌐 com.rss.repo > II TrainRepo.java > II UserRepo.java static templates application.properties > 乃 src/test/java > M JRE System Library [JavaSE-17] > Maven Dependencies # target/generated-sources/annotations # target/generated-test-sources/test-annotations > 🐎 src > 🗁 target W HELP.md

mvnw
mvnw.cmd

Folder Structure in React:



Crud-Operations:

Landing-Page:



Nav-Bar:

In the nav-bar, i had used two components like Train and User, Bu the Nav-link are common for the both components, because i had done a conditinal rendering in the nav-bar. Like if i click the Train-component the nav-link will switched to the Train link pages. If i click the User-component the nav-link will switched to the User link pages. We can easily find out the active component by having backgroung-blue in it. If i click the Train component the it will become active, and it's background color will be blue and it will occur for the user also. So that we can easily findout the active component or we are in the which component or page.

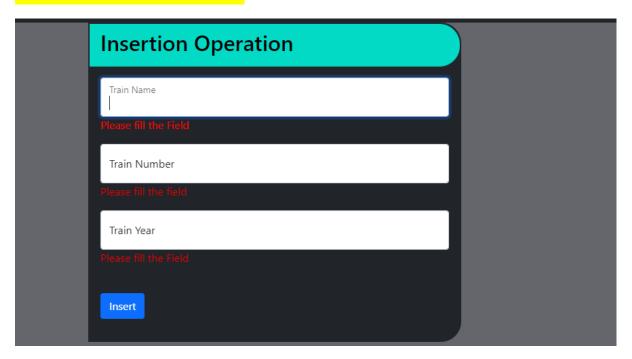


Insert Operations:

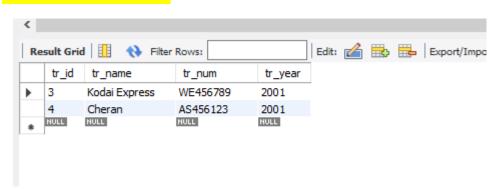
In the case study I used the one Tomany relationship. Train is one and the User will be many.

Train:

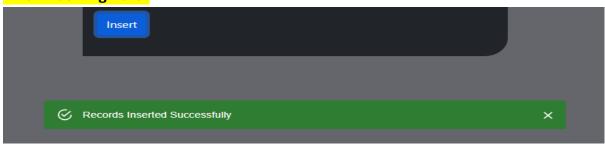
In that validation is occurs:



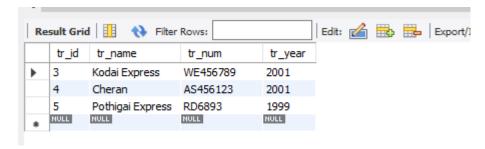
Before Database:



After Inserting Data:



After Database:



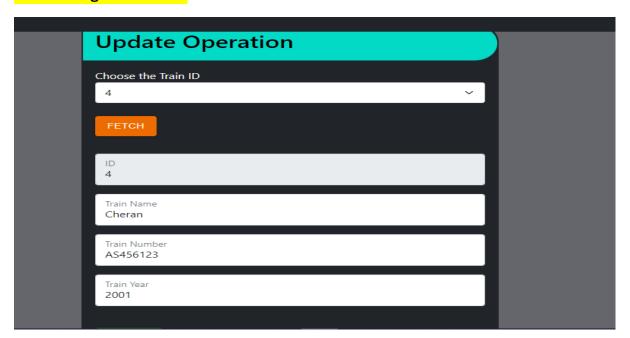
Updating Operations:

I used the fetch operation to fetch the old details in the details in the database.

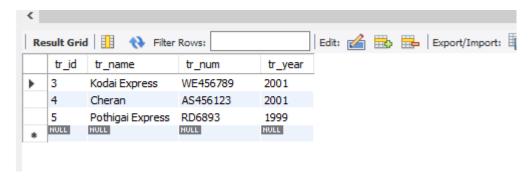
Before Fetch:



After Giving the Train Id:

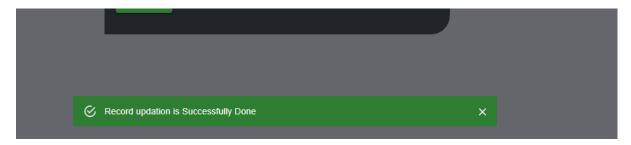


Before Database:

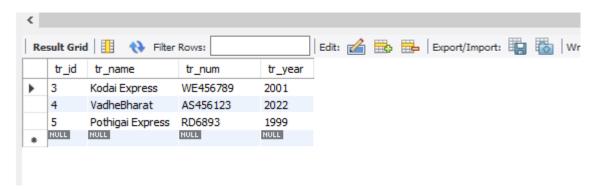


Updating Details:

I changed the 4th row details,



After Database:



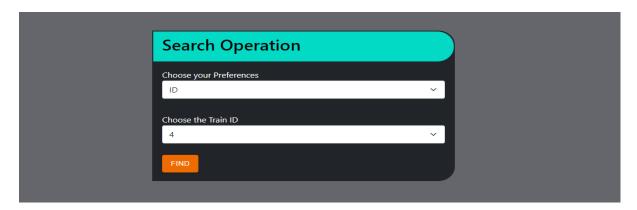
Find-Operation:

Find by done by both the Id and Name:



We have to choose the preference like Id or Name,

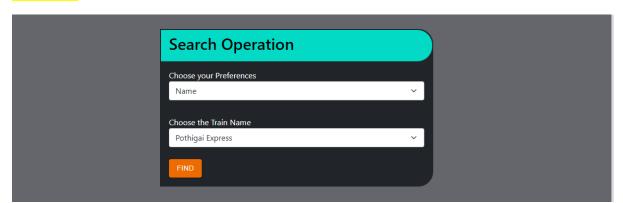
By Id,



Output:



ByName:



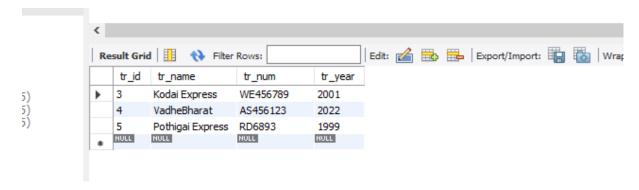
Output:



Delete-Operations:

Delete done by both Id and Name:

Before Database:

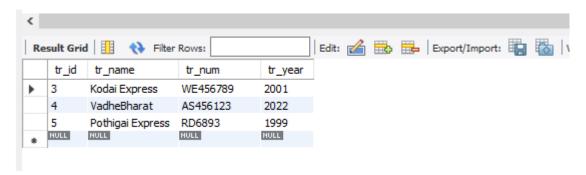


After Deleting By Id,



I am able to delete the 4th train id, i can't able delete it because it map with User entity. It primary key is act as an foreign key in user table.

After Database:



When I delete the particular user who are mapped with train id 4, then only i can able to delete it.

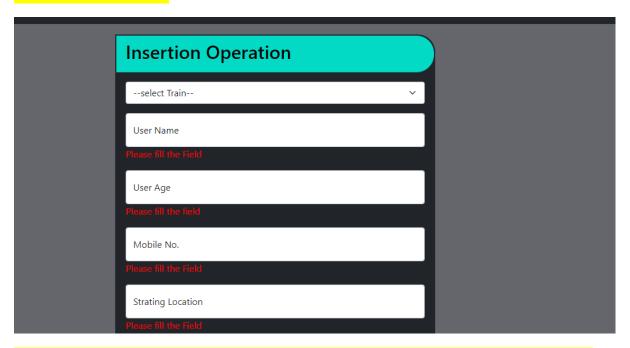
Find All-Operation:



User- Class

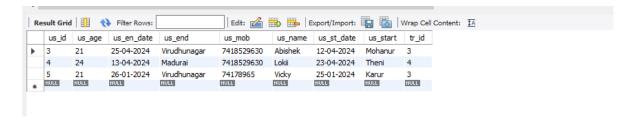
Insertion operations:

Validation occurs:



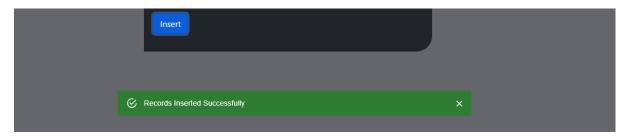
During insertion operation I had choose the train to go for journey, because both are in association mapping.

Before Database:

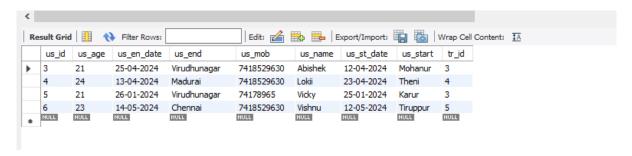


In the user table the train Id will act as an foreign key.

After inserting details:

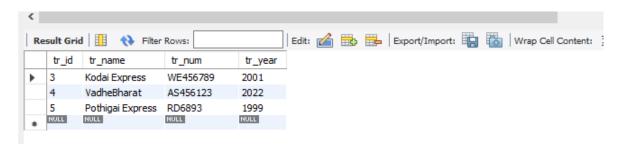


After Database:



The new user is mapped with the train id 5.

My Train Table:



Updation Operations:

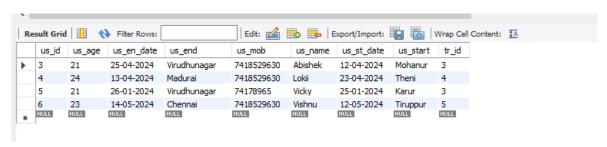
Here also i am fetch method.



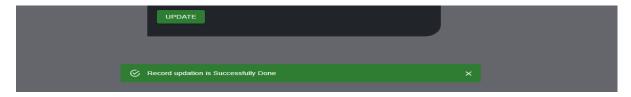
After Fetching:



Before Database:

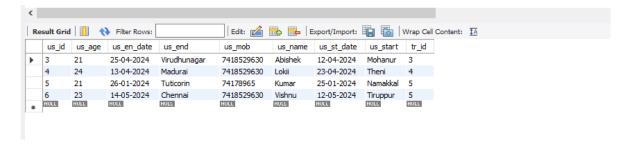


After Updating details:



After Database:

I update the details in the 5th row i changed the train id also..



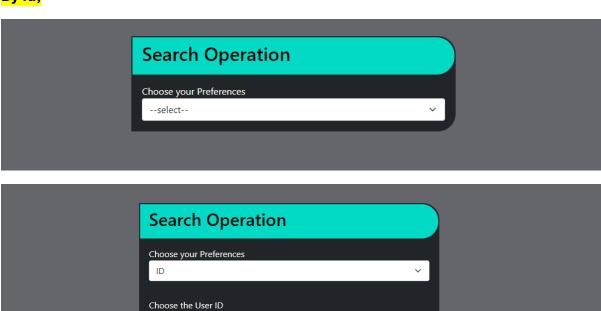
Find-Operations:

Find-operation done in both the way like name and Id,

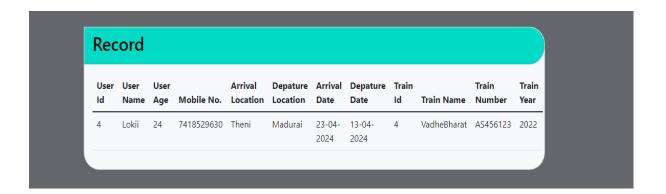
4

In the find operation the the association train table will also get details of it,

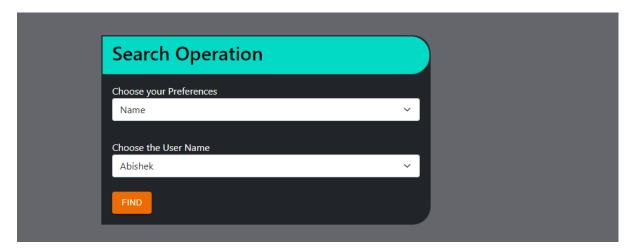
By Id,



Output:



By Name:

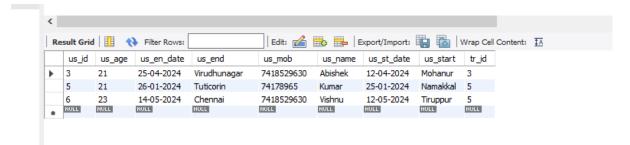




Delete-Operation:

Deletion done by both the Id and Name:

Before Database:

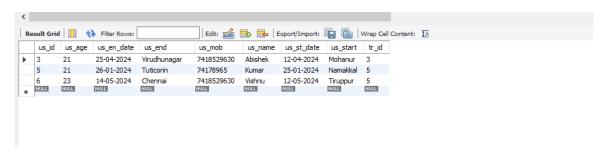


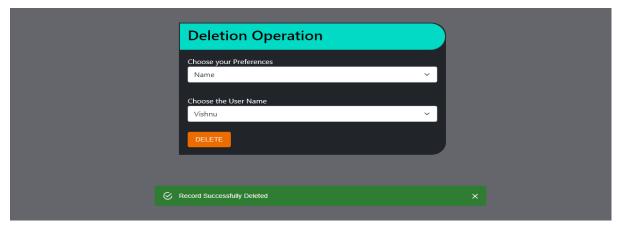
By Id:



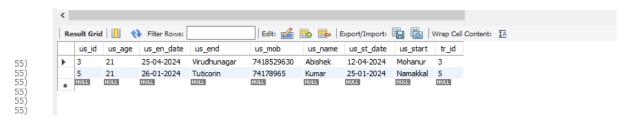
ByName:

Before Database:





After Database:

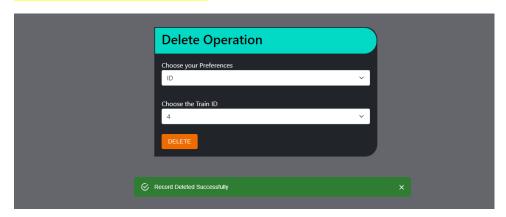


In that operation I had deleted the train Id 4th association mapped user. So that train id 4 can be deleted.

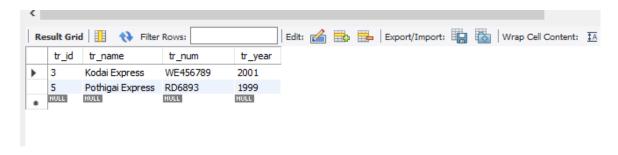
Before Database of Train table:



After deleting the train id4:



After database of Train-table:



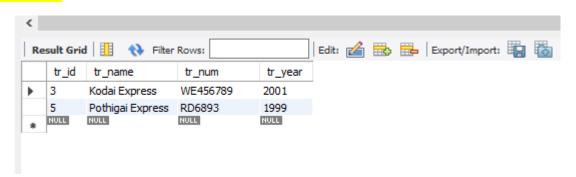
Find All Operation:

User Id User Name User Age Mobile No. Arrival Location Depature Location Arrival Date Depature Date Train Id Train Number To 001 5	Record											
2024 Express				Mobile No.		•		•				
2024 Express	3	Abishek	21	7418529630	Mohanur	Virudhunagar		25-04-2024	3		WE456789	2001
2024 Express 8 Vicky 22 74178965 Karur Madurai 23-04- 25-04-2024 5 Pothigai RD6893 1999	5	Kumar	21	74178965	Namakkal	Tuticorin		26-01-2024	5	_	RD6893	1999
· · · · · · · · · · · · · · · · · · ·	7	Lokii	21	74178965	Theni	Virudhunagar		26-01-2024	3		WE456789	2001
	8	Vicky	22	74178965	Karur	Madurai		25-04-2024	5	_	RD6893	1999

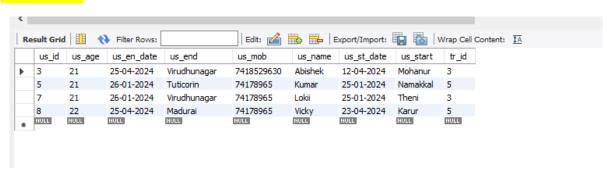
Database Tabels:



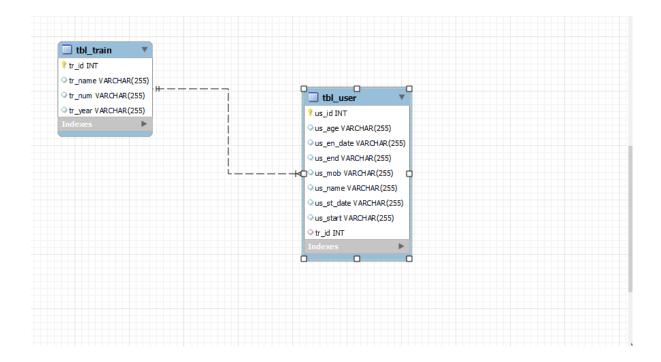
Train Table:



User Table:



ER-Diagram:



Beans - Train

```
package com.rss.bean;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.Table;
@Entity
@Table(name="tbl_Train")
public class Train {
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private int trId;
private String trName;
private String trNum;
private String trYear;
public Train() {
super();
// TODO Auto-generated constructor stub
public Train(int trId, String trName, String trNum, String trYear) {
super();
this.trId = trId;
this.trName = trName;
this.trNum = trNum;
this.trYear = trYear;
}
public int getTrId() {
return trId;
}
public void setTrId(int trId) {
this.trId = trId;
public String getTrName() {
return trName;
public void setTrName(String trName) {
this.trName = trName;
}
```

```
public String getTrNum() {
return trNum;
public void setTrNum(String trNum) {
this.trNum = trNum;
}
public String getTrYear() {
return trYear;
}
public void setTrYear(String trYear) {
this.trYear = trYear;
}
}
Bean-User:
package com.rss.bean;
import jakarta.persistence.CascadeType;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.JoinColumn;
import jakarta.persistence.ManyToOne;
import jakarta.persistence.Table;
@Entity
@Table(name="tbl_User")
public class User {
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private int usId;
private String usName;
private String usAge;
private String usMob;
private String usStart;
```

```
private String usEnd;
private String usStDate;
private String usEnDate;
@ManyToOne(targetEntity = Train.class, cascade = CascadeType.DETACH)
@JoinColumn(name="trId")
private Train trn;
public User() {
super();
// TODO Auto-generated constructor stub
public User(int usId, String usName, String usAge, String usMob,
String usStart, String usEnd, String usStDate,
String usEnDate, Train trn) {
super();
this.usId = usId;
this.usName = usName;
this.usAge = usAge;
this.usMob = usMob;
this.usStart = usStart;
this.usEnd = usEnd;
this.usStDate = usStDate;
this.usEnDate = usEnDate;
this.trn = trn;
}
public int getUsId() {
return usId;
public void setUsId(int usId) {
this.usId = usId;
}
public String getUsName() {
return usName;
}
public void setUsName(String usName) {
this.usName = usName;
```

```
}
public String getUsAge() {
return usAge;
public void setUsAge(String usAge) {
this.usAge = usAge;
}
public String getUsMob() {
return usMob;
}
public void setUsMob(String usMob) {
this.usMob = usMob;
}
public String getUsStart() {
return usStart;
}
public void setUsStart(String usStart) {
this.usStart = usStart;
}
public String getUsEnd() {
return usEnd;
}
public void setUsEnd(String usEnd) {
this.usEnd = usEnd;
}
public String getUsStDate() {
return usStDate;
}
public void setUsStDate(String usStDate) {
this.usStDate = usStDate;
}
```

```
public String getUsEnDate() {
return usEnDate;
}
public void setUsEnDate(String usEnDate) {
this.usEnDate = usEnDate;
}
public Train getTrn() {
return trn;
}
public void setTrn(Train trn) {
this.trn = trn;
}
}
Controller-Train:
package com.rss.controller;
import java.util.List;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.CrossOrigin;
import org.springframework.web.bind.annotation.DeleteMapping;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.PutMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;
import com.rss.bean.Train;
import com.rss.repo.TrainRepo;
@RestController
```

```
@CrossOrigin(origins = "http://localhost:3000/")
@RequestMapping("/api")
public class TrainController {
@Autowired
TrainRepo repo;
@PostMapping("/insertTrain")
public String doInsert(@RequestBody Train tr) {
String msg="";
try {
repo.save(tr);
msg="Insertion successfull";
}catch(Exception e) {
msg="Insertion Failure";
}
return msg;
}
@PutMapping("/updateTrain")
public String doUpdate(@RequestBody Train tr) {
String msg="";
try {
repo.save(tr);
msg="Updation successfull";
}catch(Exception e) {
msg="Updation Failure";
}
return msg;
}
@GetMapping("/findTrainId/{trId}")
public Train doFindId(@PathVariable("trId")int trId) {
Train tr = repo.findById(trId).get();
return tr;
}
@GetMapping("/findTrainName/{trName}")
public List<Train> doFindId(@PathVariable("trName")String trName) {
List<Train> trlist = repo.findByTrName(trName);
return trlist;
}
```

```
@DeleteMapping("/deleteTrainId/{trId}")
public String doDeleteId(@PathVariable("trId")int trId) {
String msg="";
try {
repo.deleteById(trId);
msg="Deletion successfull";
}catch(Exception e) {
msg="Deletion Failure";
}
return msg;
}
@DeleteMapping("/deleteTrainName/{trName}")
public String doDeleteId(@PathVariable("trName")String trName) {
String msg="";
try {
repo.deleteByTrName(trName);
msg="Deletion successfull";
}catch(Exception e) {
msg="Deletion Failure";
}
return msg;
}
@GetMapping("/findallTrain")
public List<Train> doFindAll(){
List<Train> trList = (List<Train>) repo.findAll();
return trList;
}
}
Controller-User:
package com.rss.controller;
import java.util.List;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.CrossOrigin;
import org.springframework.web.bind.annotation.DeleteMapping;
```

```
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.PutMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;
import com.rss.bean.Train;
import com.rss.bean.User;
import com.rss.repo.UserRepo;
@RestController
@CrossOrigin(origins = "http://localhost:3000/")
@RequestMapping("/api")
public class UserController {
@Autowired
UserRepo repo;
@PostMapping("/insertUser")
public String doInsert(@RequestBody User usr) {
String msg="";
try {
repo.save(usr);
msg="Insertion Successfull";
}catch(Exception e) {
msg="Inserion Failure";
}
return msg;
@PutMapping("/updateUser")
public String doUpdate(@RequestBody User usr) {
String msg="";
try {
repo.save(usr);
msg="Updation successfull";
}catch(Exception e) {
msg="Updation Failure";
}
return msg;
```

```
}
@GetMapping("/findUserId/{usId}")
public User doFindId(@PathVariable("usId")int usId) {
User usr = repo.findById(usId).get();
return usr;
}
@GetMapping("/findUserName/{usName}")
public List<User> doFindId(@PathVariable("usName")String usName) {
List<User> usList = repo.findByUsName(usName);
return usList;
}
@DeleteMapping("/deleteUserId/{usId}")
public String doDeleteId(@PathVariable("usId")int usId) {
String msg="";
try {
repo.deleteById(usId);
msg="Deletion successfull";
}catch(Exception e) {
msg="Deletion Failure";
}
return msg;
}
@DeleteMapping("/deleteuserName/{usName}")
public String doDeleteId(@PathVariable("usName")String usName) {
String msg="";
try {
repo.deleteByUsName(usName);
msg="Deletion successfull";
}catch(Exception e) {
msg="Deletion Failure";
return msg;
}
@GetMapping("/findallUser")
public List<User> doFindAll(){
List<User> usList = (List<User>) repo.findAll();
return usList;
```

```
}
}
Repo -Train:
package com.rss.repo;
import java.util.List;
import org.springframework.data.repository.CrudRepository;
import com.rss.bean.Train;
import jakarta.transaction.Transactional;
public interface TrainRepo extends CrudRepository<Train, Integer> {
@Transactional
public List<Train> findByTrName(String trName);
@Transactional
public void deleteByTrName(String trName);
}
Repo-User:
package com.rss.repo;
import java.util.List;
import org.springframework.data.repository.CrudRepository;
import com.rss.bean.User;
import jakarta.transaction.Transactional;
public interface UserRepo extends CrudRepository<User, Integer> {
@Transactional
public List<User> findByUsName(String usName);
```

```
@Transactional
public void deleteByUsName(String usName);
}
Front-EndPage:
Service Layers:
Trains:
import axios from "axios";
import React, { Component } from "react";
const insert = "http://localhost:2024/api/insertTrain";
const getAll = "http://localhost:2024/api/findallTrain";
const update = "http://localhost:2024/api/updateTrain";
const findId = "http://localhost:2024/api/findTrainId/";
const findName = "http://localhost:2024/api/findTrainName/";
const delId = "http://localhost:2024/api/deleteTrainId/";
const delName = "http://localhost:2024/api/deleteTrainName/";
class Train extends Component {
 doInsert(data) {
    return axios.post(insert, data);
  doUpdate(data) {
    return axios.put(update, data);
  dofindId(data) {
    return axios.get(findId + data);
  dofindName(data) {
    return axios.get(findName + data);
  deleteId(data) {
    return axios.delete(delId + data);
  deleteName(data) {
    return axios.delete(delName + data);
  getAll() {
    return axios.get(getAll);
```

```
}
export default new Train();
```

User:

```
import axios from "axios";
import React, { Component } from "react";
const insert = "http://localhost:2024/api/insertUser";
const getAll = "http://localhost:2024/api/findallUser";
const update = "http://localhost:2024/api/updateUser";
const findId = "http://localhost:2024/api/findUserId/";
const findName = "http://localhost:2024/api/findUserName/";
const delId = "http://localhost:2024/api/deleteUserId/";
const delName = "http://localhost:2024/api/deleteuserName/";
class User extends Component {
  doInsert(data) {
    return axios.post(insert, data);
  doUpdate(data) {
    return axios.put(update, data);
  dofindId(data) {
    return axios.get(findId + data);
  dofindName(data) {
    return axios.get(findName + data);
  deleteId(data) {
    return axios.delete(delId + data);
  deleteName(data) {
    return axios.delete(delName + data);
 getAll() {
   return axios.get(getAll);
export default new User();
```

Trains:

Insert Page:

```
import React, { useState } from "react";
import "./Style.css";
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "react-bootstrap/Button";
import Alert from "@mui/material/Alert";
import Stack from "@mui/material/Stack";
import { useForm } from "react-hook-form";
import Train from "./Service/Train";
const Tinsert = () => {
  const [alert, setalert] = useState(false);
  const {
    register,
   handleSubmit,
   formState: { errors },
  } = useForm();
  const getFormData = (data) => {
    console.log(data);
    Train.doInsert(data).then(() => {
      setalert(true);
   });
  };
  return (
      <Card bg="dark" border="dark" id="Mform">
        <Card.Header id="header">
          <h2>Insertion Operation</h2>
        </Card.Header>
        <Card.Body>
          <form onSubmit={handleSubmit(getFormData)}>
            <Form.Floating className="mb-3">
              <Form.Control</pre>
                id="floatingPasswordCustom"
                type="text"
                placeholder="Train Name"
                {...register("trName", { required: true })}
              <label htmlFor="floatingPasswordCustom">Train Name</label>
              {errors.trName && Please fill the
Field}
            </Form.Floating>
            <Form.Floating className="mb-3">
```

```
<Form.Control</pre>
               id="floatingPasswordCustom"
               type="text"
               placeholder="Train Number"
               {...register("trNum", { required: true })}
             <label htmlFor="floatingPasswordCustom">Train Number</label>
             {errors.trNum &&  Please fill the
field}
           </Form.Floating>
           <Form.Floating className="mb-3">
             <Form.Control</pre>
               id="floatingPasswordCustom"
               type="text"
               placeholder="Train Year"
               {...register("trYear", { required: true })}
             <label htmlFor="floatingPasswordCustom">Train Year</label>
             {errors.trYear && Please fill the
Field}
           </Form.Floating>
           <br></br>
           <Form.Floating className="mb-3">
             <Button as="input" type="submit" value="Insert" size="md" />{"
           </Form.Floating>
       </Card.Body>
     </Card>
     {alert && (
         <Stack
           sx={{
             width: "50%",
             marginLeft: "390px",
             marginBottom: "50px",
             color: "yellowgreen",
           }}
           spacing={2}
           <Alert
             variant="filled"
             onClose={() => {
               setalert(false);
               window.location.reload();
```

Update-Page:

```
import React, { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "@mui/material/Button";
import Alert from "@mui/material/Alert";
import Stack from "@mui/material/Stack";
import Train from "./Service/Train";
const Tupdate = () => {
 const [Adata, setAdata] = useState([]);
  const [alert, setalert] = useState(false);
  const [Idopt, setIdopt] = useState(0);
  const [formDisp, setformDisp] = useState(false);
  const [trId, changetrId] = useState("");
  const [trName, changetrName] = useState("");
  const [trNum, changetrNum] = useState("");
  const [trYear, changetrYear] = useState("");
  const UpData = {
   trId,
    trName,
   trNum,
    trYear,
  };
  useEffect(() => {
    Train.getAll().then((response) => {
      setAdata(response.data);
    });
  }, []);
  const openForm = () => {
   Train.dofindId(Idopt).then((response) => {
```

```
changetrId(response.data.trId);
    changetrName(response.data.trName);
    changetrNum(response.data.trNum);
    changetrYear(response.data.trYear);
  });
  setformDisp(true);
};
const doUpdate = () => {
  console.log(UpData);
  Train.doUpdate(UpData).then(() => {
    setalert(true);
 });
};
return (
    <Card bg="dark" border="dark" id="Mform">
        <Card.Header id="header">
          <h2>Update Operation</h2>
        </Card.Header>
        <Card.Body>
          <label style={{ color: "white" }}>Choose the Train ID</label>
          <Form.Select</pre>
            aria-label="Default select example"
            onChange={(e) => {
              setIdopt(e.target.value);
            }}
            <option>--select--</option>
            {Adata.map((pdt) => (
              <option value={pdt.trId}>{pdt.trId}</option>
            ))}
          </Form.Select>
          <br></br>
          <Stack direction="row" spacing={2}>
            <Button
              variant="contained"
              color="warning"
              onClick={() => openForm()}
              Fetch
            </Button>
          </Stack>
        </Card.Body>
```

```
{formDisp && (
  <Card.Body>
    <form>
      <Form.Floating className="mb-3">
        <Form.Control</pre>
          id="floatingInputCustom"
          type="text"
          placeholder="ID"
          disabled
          defaultValue={trId}
        <label htmlFor="floatingInputCustom">ID</label>
      </Form.Floating>
      <Form.Floating className="mb-3">
        <Form.Control</pre>
          id="name"
          type="text"
          placeholder="Train Name"
          name="pName"
          defaultValue={trName}
          onChange={(e) => {
            changetrName(e.target.value);
          }}
        <label htmlFor="floatingPasswordCustom">Train Name</label>
      </Form.Floating>
      <Form.Floating className="mb-3">
        <Form.Control</pre>
          id="floatingPasswordCustom"
          type="text"
          placeholder="Product Price"
          defaultValue={trNum}
          onChange={(e) => {
            changetrNum(e.target.value);
          }}
        <label htmlFor="floatingPasswordCustom">Train Number</label>
      </Form.Floating>
      <Form.Floating className="mb-3">
        <Form.Control</pre>
          id="floatingPasswordCustom"
          type="text"
          placeholder="Product seller"
          defaultValue={trYear}
          onChange={(e) => {
            changetrYear(e.target.value);
```

```
<label htmlFor="floatingPasswordCustom">Train Year</label>
          </Form.Floating>
          <br></br>
          <Form.Floating className="mb-3">
            <Stack direction="row" spacing={2}>
              <Button
                variant="contained"
                color="success"
                onClick={doUpdate}
                Update
              </Button>
            </Stack>
          </Form.Floating>
        </form>
      </Card.Body>
    )}
 </Card>
 {alert && (
     <Stack
        sx=\{\{
          width: "50%",
          marginLeft: "390px",
          marginBottom: "50px",
          fontWeight: "bold",
          color: "yellowgreen",
        }}
       spacing={2}
        <Alert
          variant="filled"
          onClose={() => {
            setalert(false);
            window.location.reload();
          }}
          Record updation is Successfully Done
        </Alert>
      </Stack>
 )}
</div>
```

```
};
export default Tupdate;
```

Find-Page:

```
import React, { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "@mui/material/Button";
import Stack from "@mui/material/Stack";
import Train from "./Service/Train";
const Tfind = () => {
 const [Adata, setAdata] = useState([]);
  const [Fdata, setFdata] = useState([]);
  const [choose, setchoose] = useState("");
  const [Idopt, setIdopt] = useState(0);
  const [Nameopt, setNameopt] = useState("");
  const [TblId, setTblId] = useState(false);
  const [TblName, setTblName] = useState(false);
  useEffect(() => {
    Train.getAll().then((response) => {
      setAdata(response.data);
    });
  }, []);
  console.log(Idopt);
  console.log(Nameopt);
  const doFind = (data) => {
    data === "Name"
      ? Train.dofindName(Nameopt).then((response) => {
          setFdata(response.data);
          console.log(response.data);
          setTblId(false);
          setTblName(true);
        })
      : Train.dofindId(Idopt).then((response) => {
          setFdata(response.data);
          setTblName(false);
          setTblId(true);
        });
  };
  return (
     <Card bg="dark" border="dark" id="Mform">
```

```
<Card.Header id="header">
  <h2>Search Operation</h2>
</Card.Header>
<Card.Body>
  <label style={{ color: "white" }}>Choose your Preferences</label>
  <Form.Select
    aria-label="Default select example"
   onChange={(e) => {
      setchoose(e.target.value);
    }}
    <option>--select--</option>
    <option value="ID">ID</option>
    <option value="Name">Name</option>
  </Form.Select>
</Card.Body>
{choose === "ID" && (
  <Card.Body>
    <label style={{ color: "white" }}>Choose the Train ID</label>
    <Form.Select</pre>
      aria-label="Default select example"
      onChange={(e) => {
        setIdopt(e.target.value);
      }}
      <option>--select--</option>
      {Adata.map((pdt) => (
        <option value={pdt.trId}>{pdt.trId}</option>
      ))}
    </Form.Select>
    <br></br>
    <Stack direction="row" spacing={2}>
      <Button
        variant="contained"
       color="warning"
        onClick={() => doFind(1)}
        Find
      </Button>
    </Stack>
  </Card.Body>
{choose === "Name" && (
  <Card.Body>
    <label style={{ color: "white" }}>Choose the Train Name</label>
    <Form.Select</pre>
      aria-label="Default select example"
```

```
onChange={(e) => {
        setNameopt(e.target.value);
      }}
      <option>--select--</option>
      {Adata.map((pdt) => (
        <option value={pdt.trName}>{pdt.trName}</option>
      ))}
    </Form.Select>
    <br></br>
    <Stack direction="row" spacing={2}>
      <Button
       variant="contained"
       color="warning"
       onClick={() => doFind("Name")}
        Find
      </Button>
    </Stack>
   </Card.Body>
 )}
</Card>
<br></br>
{TblId && (
 <Card bg="light" border="dark" className="tbl">
   <Card.Header id="header">
    <h2>Record</h2>
   </Card.Header>
   <Card.Body>
    Train Id
         Train Name
         Train Number
         Train Year
       </thead>
      {Fdata.trId}
         {Fdata.trName}
         {Fdata.trNum}
         {Fdata.trYear}
       </Card.Body>
```

```
</Card>
    )}
    {TblName && (
     <Card bg="light" className="tbl">
      <Card.Header id="header">
        <h2>Record</h2>
      </Card.Header>
      <Card.Body>
        <thead>
          Train Id
            Train Name
            Train Number
            Train Year
          </thead>
         {Fdata.map((item) => (
             {item.trId}
             {item.trName}
             {item.trNum}
             {item.trYear}
            ))}
         </Card.Body>
     </Card>
   )}
 );
};
export default Tfind;
```

Delete-Page:

```
import React from "react";
import { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "@mui/material/Button";
import Stack from "@mui/material/Stack";
import Alert from "@mui/material/Alert";
import Train from "./Service/Train";
```

```
const Tdelete = () => {
  const [alert, setalert] = useState(false);
  const [Adata, setAdata] = useState([]);
  const [choose, setchoose] = useState("");
  const [Idopt, setIdopt] = useState(0);
  const [Nameopt, setNameopt] = useState("");
  useEffect(() => {
    Train.getAll().then((response) => {
      setAdata(response.data);
    });
  }, []);
  const doDelete = (data) => {
    data === "Name"
      ? Train.deleteName(Nameopt).then(() => {
          setalert(true);
        })
      : Train.deleteId(Idopt).then(() => {
          setalert(true);
        });
  };
  return (
      <Card bg="dark" border="dark" id="Mform">
        <Card.Header id="header">
          <h2>Delete Operation</h2>
        </Card.Header>
        <Card.Body>
          <label style={{ color: "white" }}>Choose your Preferences</label>
          <Form.Select</pre>
            aria-label="Default select example"
            onChange={(e) => {
              setchoose(e.target.value);
            }}
            <option>--select--</option>
            <option value="ID">ID</option>
            <option value="Name">Name</option>
          </Form.Select>
        </Card.Body>
        {choose === "ID" && (
          <Card.Body>
            <label style={{ color: "white" }}>Choose the Train ID</label>
            <Form.Select</pre>
              aria-label="Default select example"
              onChange={(e) => {
```

```
setIdopt(e.target.value);
        }}
        <option>--select--</option>
        {Adata.map((pdt) => (
          <option value={pdt.trId}>{pdt.trId}</option>
        ))}
      </Form.Select>
      <br></br>
      <Stack direction="row" spacing={2}>
        <Button
          variant="contained"
          color="warning"
          onClick={() => doDelete(1)}
          Delete
        </Button>
      </Stack>
    </Card.Body>
  )}
  {choose === "Name" && (
    <Card.Body>
      <label style={{ color: "white" }}>Choose the Train Name</label>
      <Form.Select</pre>
        aria-label="Default select example"
        onChange={(e) => {
          setNameopt(e.target.value);
        }}
        <option>--select--</option>
        {Adata.map((pdt) => (
          <option value={pdt.trName}>{pdt.trName}</option>
        ))}
      </Form.Select>
      <br></br>
      <Stack direction="row" spacing={2}>
        <Button
          variant="contained"
          color="warning"
          onClick={() => doDelete("Name")}
          Delete
        </Button>
      </Stack>
    </Card.Body>
  )}
</Card>
{alert && (
```

```
<Stack
            sx={{}
              width: "50%",
              marginLeft: "390px",
              marginBottom: "50px",
              color: "yellowgreen",
            }}
            spacing={2}
            <Alert
              variant="filled"
              onClose={() => {
                setalert(false);
                window.location.reload();
              }}
              Record Deleted Successfully
            </Alert>
          </Stack>
      )}
  );
};
export default Tdelete;
```

FindAll-Page:

```
import React, { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import Train from "./Service/Train";
const Tfindall = () => {
  const [Adata, setAdata] = useState([]);
  useEffect(() => {
    Train.getAll().then((response) => {
     setAdata(response.data);
   });
  }, []);
  return (
      <Card bg="light" id="findall" class="table table-hover">
        <Card.Header id="fheader">
          <h2>Record</h2>
        </Card.Header>
        <Card.Body>
```

```
Train Id
        Train Name
        Train Number
        Train Year
       </thead>
      {Adata.map((item) => (
         {item.trId}
         {item.trName}
         {item.trNum}
         {item.trYear}
        ))}
     </Card.Body>
   </Card>
 );
};
export default Tfindall;
```

User:

Insert Page:

```
import React, { useEffect, useState } from "react";
```

```
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "react-bootstrap/Button";
import Alert from "@mui/material/Alert";
import Stack from "@mui/material/Stack";
import { useForm } from "react-hook-form";
import Train from "./Service/Train";
import User from "./Service/User";
const Uinsert = () => {
 const [alert, setalert] = useState(false);
 const {
    register,
   handleSubmit,
   formState: { errors },
  } = useForm();
  const [Adata, setAdata] = useState([]);
  const [trId, changetrId] = useState(0);
  useEffect(() => {
    Train.getAll().then((response) => {
      console.log(response.data.data);
      setAdata(response.data);
    });
  }, []);
  console.log(trId);
  const getFormData = (data) => {
    var { usName, usAge, usMob, usStart, usEnd, usStDate, usEnDate } = data;
    var indata = {
      usName.
     usAge,
     usMob,
     usStart,
     usEnd,
     usStDate,
     usEnDate,
     trn: {
       trId,
     },
    };
    console.log(indata);
   User.doInsert(indata).then(() => {
      setalert(true);
    });
  };
  return (
```

```
<Card bg="dark" border="dark" id="Mform">
        <Card.Header id="header">
          <h2>Insertion Operation</h2>
        </Card.Header>
        <Card.Body>
          <Form.Select</pre>
            className="mb-3"
            aria-label="Default select example"
           onChange={(e) => {
              changetrId(e.target.value);
            }}
            <option>--select Train--</option>
            {Adata.map((idlst) => (
              <option value={idlst.trId}>{idlst.trId}</option>
            ))}
          </Form.Select>
          <form onSubmit={handleSubmit(getFormData)}>
            <Form.Floating className="mb-3">
              <Form.Control</pre>
                id="floatingPasswordCustom"
                type="text"
                placeholder="User Name"
                {...register("usName", { required: true })}
              <label htmlFor="floatingPasswordCustom">User Name</label>
              {errors.usName && Please fill the
Field}
            </Form.Floating>
            <Form.Floating className="mb-3">
              <Form.Control</pre>
                id="floatingPasswordCustom"
                type="number"
                placeholder="User Age"
                {...register("usAge", { required: true })}
              <label htmlFor="floatingPasswordCustom">User Age</label>
              {errors.usAge &&  Please fill the
field}
            </form.Floating>
            <Form.Floating className="mb-3">
              <Form.Control</pre>
                id="floatingPasswordCustom"
                type="text"
                placeholder="Mobile No."
                {...register("usMob", { required: true })}
```

```
<label htmlFor="floatingPasswordCustom">Mobile No.</label>
             {errors.usMob && Please fill the Field}
           </Form.Floating>
           <Form.Floating className="mb-3">
             <Form.Control</pre>
               id="floatingPasswordCustom"
               type="text"
               placeholder="Strating location"
               {...register("usStart", { required: true })}
             <label htmlFor="floatingPasswordCustom">Strating
Location</label>
             {errors.usStart && Please fill the
Field}
           </Form.Floating>
           <Form.Floating className="mb-3">
             <Form.Control</pre>
               id="floatingPasswordCustom"
               type="text"
               placeholder="Destination"
               {...register("usEnd", { required: true })}
             <label htmlFor="floatingPasswordCustom">Destination</label>
             {errors.usEnd && Please fill the Field}
           </Form.Floating>
           <Form.Floating className="mb-3">
             <Form.Control</pre>
               id="floatingPasswordCustom"
               type="text"
               placeholder="Date of Arrival"
               {...register("usStDate", { required: true })}
             <label htmlFor="floatingPasswordCustom">Date of Arrival</label>
             {errors.usStDate && (
               Please fill the Field
             )}
           </Form.Floating>
           <Form.Floating className="mb-3">
             <Form.Control</pre>
               id="floatingPasswordCustom"
               type="text"
              placeholder="Date of Depature"
               {...register("usEnDate", { required: true })}
             <label htmlFor="floatingPasswordCustom">Date of Depature</label>
             {errors.usEnDate && (
               Please fill the Field
```

```
</Form.Floating>
            <br></br>
            <Form.Floating className="mb-3">
              <Button as="input" type="submit" value="Insert" size="md" />{"
            </Form.Floating>
          </form>
        </Card.Body>
      </Card>
      {alert && (
          <Stack
            sx=\{\{
              width: "50%",
              marginLeft: "390px",
              marginBottom: "50px",
              color: "yellowgreen",
            }}
            spacing={2}
            <Alert
              variant="filled"
              onClose={() => {
                setalert(false);
                window.location.reload();
              }}
              Records Inserted Successfully
            </Alert>
          </Stack>
      )}
  );
};
export default Uinsert;
```

Update-Page:

```
import React, { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "@mui/material/Button";
```

```
import Alert from "@mui/material/Alert";
import Stack from "@mui/material/Stack";
import User from "./Service/User";
import Train from "./Service/Train";
const Uupdate = () => {
 const [Adata, setAdata] = useState([]);
 const [Pdata, setPdata] = useState([]);
 const [alert, setalert] = useState(false);
 const [Idopt, setIdopt] = useState(0);
 const [formDisp, setformDisp] = useState(false);
 const [trId, changetrId] = useState(0);
 var [usId, changeusId] = useState(0);
  const [usName, changeusName] = useState("");
  const [usAge, changeusAge] = useState("");
  const [usMob, changeusMob] = useState("");
 const [usStart, changeusStart] = useState("");
 const [usEnd, changeusEnd] = useState("");
  const [usStDate, changeusStDate] = useState("");
  const [usEnDate, changeusEnDate] = useState("");
 useEffect(() => {
   User.getAll().then((response) => {
      setAdata(response.data);
      console.log(response.data);
    });
 }, []);
 useEffect(() => {
    Train.getAll().then((response) => {
      console.log(response.data);
      setPdata(response.data);
    });
 }, []);
 const openForm = () => {
    console.log(Idopt);
   User.dofindId(Idopt).then((response) => {
      console.log(response.data);
      changeusId(response.data.usId);
      changeusName(response.data.usName);
      changeusAge(response.data.usAge);
      changeusMob(response.data.usMob);
      changeusStart(response.data.usStart);
      changeusEnd(response.data.usEnd);
```

```
changeusStDate(response.data.usStDate);
    changeusEnDate(response.data.usEnDate);
  });
  setformDisp(true);
};
const doUpdate = () => {
  const inData = {
    usId,
   usName,
   usAge,
   usMob,
   usStart,
    usEnd,
   usStDate,
   usEnDate,
   trn: { trId },
  };
  console.log(inData);
  User.doUpdate(inData).then(() => {
    setalert(true);
 });
};
return (
    <Card bg="dark" border="dark" id="Mform">
      <Card.Header id="header">
        <h2>Update Operation</h2>
      </Card.Header>
      <Card.Body>
        <label style={{ color: "white" }}>Choose the User ID</label>
        <Form.Select</pre>
          aria-label="Default select example"
          onChange={(e) => {
            setIdopt(e.target.value);
          }}
          <option>--select--</option>
          {Adata.map((idlst) => (
            <option value={idlst.usId}>{idlst.usId}</option>
          ))}
        </Form.Select>
        <br></br>
        <Stack direction="row" spacing={2}>
          <Button
            variant="contained"
            color="warning"
```

```
onClick={() => openForm()}
      Fetch
    </Button>
  </Stack>
</Card.Body>
{formDisp && (
  <Card.Body>
    <label style={{ color: "white" }}>Change Train</label>
    <Form.Select</pre>
      className="mb-3"
      aria-label="Default select example"
      onChange={(e) => {
        changetrId(e.target.value);
      }}
      <option>--select TrainName--</option>
      {Pdata.map((idlst) => (
        <option value={idlst.trId}>{idlst.trName}</option>
      ))}
    </Form.Select>
    <Form.Floating className="mb-3">
      <Form.Control</pre>
        id="floatingInputCustom"
        type="text"
        placeholder="ID"
        value={usId}
      <label htmlFor="floatingInputCustom">ID</label>
    </Form.Floating>
    <Form.Floating className="mb-3">
      <Form.Control</pre>
        id="name"
        type="text"
        placeholder="Name"
        defaultValue={usName}
        onChange={(e) => {
          changeusName(e.target.value);
        }}
      <label htmlFor="floatingPasswordCustom">User Name</label>
    </Form.Floating>
    <Form.Floating className="mb-3">
      <Form.Control</pre>
        id="floatingPasswordCustom"
        type="text"
        placeholder="Age"
        defaultValue={usAge}
```

```
onChange={(e) => {
      changeusAge(e.target.value);
    }}
  <label htmlFor="floatingPasswordCustom">User Age</label>
</Form.Floating>
<Form.Floating className="mb-3">
  <Form.Control</pre>
    id="floatingPasswordCustom"
    type="text"
    placeholder="Mobile"
    defaultValue={usMob}
   onChange={(e) => {
      changeusMob(e.target.value);
    }}
  <label htmlFor="floatingPasswordCustom">Mobile No.</label>
</Form.Floating>
<Form.Floating className="mb-3">
  <Form.Control</pre>
    id="floatingPasswordCustom"
    type="text"
    placeholder="Arrival"
    defaultValue={usStart}
    onChange={(e) => {
      changeusStart(e.target.value);
    }}
  <label htmlFor="floatingPasswordCustom">Arrival location</label>
</Form.Floating>
<Form.Floating className="mb-3">
  <Form.Control</pre>
    id="floatingPasswordCustom"
    type="text"
    placeholder="Depature"
    defaultValue={usEnd}
    onChange={(e) => {
      changeusEnd(e.target.value);
    }}
  <label htmlFor="floatingPasswordCustom">Depature/label>
</Form.Floating>
<Form.Floating className="mb-3">
  <Form.Control</pre>
    id="floatingPasswordCustom"
    type="text"
    placeholder="Arrival Date"
    defaultValue={usStDate}
```

```
onChange={(e) => {
                   changeusStDate(e.target.value);
                }}
              <label htmlFor="floatingPasswordCustom">Arrival Date</label>
            </Form.Floating>
            <Form.Floating className="mb-3">
              <Form.Control</pre>
                id="floatingPasswordCustom"
                type="text"
                placeholder="Arrival Date"
                defaultValue={usEnDate}
                onChange={(e) => {
                   changeusEnDate(e.target.value);
                }}
              <label htmlFor="floatingPasswordCustom">Depature Date/label>
            </Form.Floating>
            <br></br>
            <Form.Floating className="mb-3">
              <Stack direction="row" spacing={2}>
                <Button variant="contained" color="success"</pre>
onClick={doUpdate}>
                  Update
                </Button>
              </Stack>
            </Form.Floating>
          </Card.Body>
        )}
      </Card>
      {alert && (
          <br></br>
          <Stack
            sx={{}
              width: "50%",
              marginLeft: "390px",
              marginBottom: "50px",
              fontWeight: "bold",
              color: "yellowgreen",
            spacing={2}
            <Alert
              variant="filled"
              onClose={() => {
                setalert(false);
```

Find-Page:

```
import React, { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "@mui/material/Button";
import Stack from "@mui/material/Stack";
import User from "./Service/User";
import Style from "./Style.css";
const Ufind = () => {
 const [Adata, setAdata] = useState([]);
  const [Fdata, setFdata] = useState([]);
  const [choose, setchoose] = useState("");
  const [Idopt, setIdopt] = useState(0);
  const [Nameopt, setNameopt] = useState("");
  const [Tbl, setTbl] = useState(false);
  useEffect(() => {
    User.getAll().then((response) => {
      setAdata(response.data);
      console.log(response.data);
    });
 }, []);
  const doFind = () => {
   User.dofindName(Nameopt).then((response) => {
      setFdata(response.data);
      setTbl(true);
   });
  };
  return (
     <Card bg="dark" border="dark" id="Mform">
```

```
<Card.Header id="header">
  <h2>Search Operation</h2>
</Card.Header>
<Card.Body>
  <label style={{ color: "white" }}>Choose your Preferences</label>
  <Form.Select
    aria-label="Default select example"
   onChange={(e) => {
      setchoose(e.target.value);
    }}
    <option>--select--</option>
    <option value="ID">ID</option>
    <option value="Name">Name</option>
  </Form.Select>
</Card.Body>
{choose === "ID" && (
  <Card.Body>
    <label style={{ color: "white" }}>Choose the User ID</label>
    <Form.Select</pre>
      aria-label="Default select example"
      onChange={(e) => {
        setNameopt(e.target.value);
      }}
      <option>--select--</option>
      {Adata.map((item) => (
        <option value={item.usName}>{item.usId}</option>
      ))}
    </Form.Select>
    <br></br>
    <Stack direction="row" spacing={2}>
      <Button
        variant="contained"
       color="warning"
        onClick={() => doFind()}
        Find
      </Button>
    </Stack>
  </Card.Body>
{choose === "Name" && (
  <Card.Body>
    <label style={{ color: "white" }}>Choose the User Name</label>
    <Form.Select</pre>
      aria-label="Default select example"
```

```
onChange={(e) => {
       setNameopt(e.target.value);
     }}
     <option>--select--</option>
     {Adata.map((item) => (
       <option value={item.usName}>{item.usName}</option>
     ))}
    </Form.Select>
    <br></br>
    <Stack direction="row" spacing={2}>
     <Button
       variant="contained"
      color="warning"
       onClick={() => doFind()}
       Find
     </Button>
    </Stack>
  </Card.Body>
 )}
</Card>
{Tb1 && (
 <Card bg="light" className="tbl" id="ubtl">
  <Card.Header id="header">
    <h2>Record</h2>
  </Card.Header>
  <Card.Body>
    <thead>
       User Id
        User Name
        User Age
        Mobile No.
        Arrival Location
        Depature Location
        Arrival Date
        Depature Date
        Train Id
        Train Name
        Train Number
        Train Year
       </thead>
     {Fdata.map((item) => (
```

```
{item.usId}
             {item.usName}
             {item.usAge}
             {item.usMob}
             {item.usStart}
             {item.usEnd}
             {item.usStDate}
             {item.usEnDate}
             {item.trn.trId}
             {item.trn.trName}
             {item.trn.trNum}
             {item.trn.trYear}
            ))}
         </Card.Body>
     </Card>
    )}
 );
};
export default Ufind;
```

Delete-Page:

```
import React, { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import Form from "react-bootstrap/Form";
import Button from "@mui/material/Button";
import Stack from "@mui/material/Stack";
import Alert from "@mui/material/Alert";
import User from "./Service/User";
const Udelete = () => {
  const [alert, setalert] = useState(false);
  const [Adata, setAdata] = useState([]);
  const [choose, setchoose] = useState("");
  const [Idopt, setIdopt] = useState(0);
  const [Nameopt, setNameopt] = useState("");
  useEffect(() => {
   User.getAll().then((response) => {
      setAdata(response.data);
      console.log(response.data);
    });
  }, []);
```

```
const doDelete = (data) => {
  data === "Name"
    ? User.deleteName(Nameopt).then(() => {
        setalert(true);
    : User.deleteId(Idopt).then(() => {
        setalert(true);
      });
};
return (
    <Card bg="dark" border="dark" id="Mform">
      <Card.Header id="header">
        <h2>Deletion Operation</h2>
      </Card.Header>
      <Card.Body>
        <label style={{ color: "white" }}>Choose your Preferences</label>
        <Form.Select</pre>
          aria-label="Default select example"
          onChange={(e) => {
            setchoose(e.target.value);
          }}
          <option>--select--</option>
          <option value="ID">ID</option>
          <option value="Name">Name</option>
        </Form.Select>
      </Card.Body>
      {choose === "ID" && (
        <Card.Body>
          <label style={{ color: "white" }}>Choose the User ID</label>
          <Form.Select</pre>
            aria-label="Default select example"
            onChange={(e) => {
              setIdopt(e.target.value);
            }}
            <option>--select--</option>
            {Adata.map((item) => (
              <option value={item.usId}>{item.usId}</option>
            ))}
          </Form.Select>
          <br></br>
          <Stack direction="row" spacing={2}>
            <Button
              variant="contained"
```

```
color="warning"
          onClick={() => doDelete(1)}
          Delete
        </Button>
      </Stack>
    </Card.Body>
  )}
  {choose === "Name" && (
    <Card.Body>
      <label style={{ color: "white" }}>Choose the User Name</label>
      <Form.Select</pre>
        aria-label="Default select example"
        onChange={(e) => {
          setNameopt(e.target.value);
        }}
        <option>--select--</option>
        {Adata.map((item) => (
          <option value={item.usName}>{item.usName}</option>
        ))}
      </Form.Select>
      <br></br>
      <Stack direction="row" spacing={2}>
        <Button
          variant="contained"
          color="warning"
          onClick={() => doDelete("Name")}
          Delete
        </Button>
      </Stack>
    </Card.Body>
  )}
</Card>
{alert && (
    <br></br>
    <Stack
      sx={{}
        width: "50%",
        marginLeft: "390px",
        marginBottom: "50px",
        fontWeight: "bold",
        color: "yellowgreen",
      }}
      spacing={2}
```

FindAll-Page:

```
import React, { useEffect, useState } from "react";
import { Card } from "react-bootstrap";
import User from "./Service/User";
const Ufindall = () => {
 const [Adata, setAdata] = useState([]);
 useEffect(() => {
   User.getAll().then((response) => {
    setAdata(response.data);
    console.log(response.data);
   });
 }, []);
 return (
    <Card bg="light" id="findall" class="table table-hover">
      <Card.Header id="fheader">
        <h2>Record</h2>
      </Card.Header>
      <Card.Body>
        User Id
            User Name
            User Age
             Mobile No.
             Arrival Location
```

```
Depature Location
         Arrival Date
         Depature Date
         Train Id
         Train Name
         Train Number
         Train Year
        </thead>
      {Adata.map((item) => (
         {item.usId}
          {item.usName}
          {item.usAge}
          {item.usMob}
          {item.usStart}
          {item.usEnd}
          {item.usStDate}
          {item.usEnDate}
          {item.trn.trId}
          {item.trn.trName}
          {item.trn.trNum}
          {item.trn.trYear}
         ))}
    </Card.Body>
   </Card>
 );
};
export default Ufindall;
```