

# Node and React Assessment

Step 1: Installation and setup of database(wfm).

```
MySQL 8.0 Command Line Client

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database wfm;
Query OK, 1 row affected (0.03 sec)

mysql> use wfm;
Database changed
mysql> show tables
-> ;
+-----+
| Tables_in_wfm |
+-----+
| employee       |
| employees      |
| profile        |
| skillmap       |
| skills         |
| softlock       |
| users          |
+-----+
7 rows in set (0.03 sec)

mysql> _
```

Step 2: Listing of Employee data respective to the user(Manager) in the Table

```
route.post("/employees", async function(request, response){

  try{
    let loginname = request.body.username;
    await sequelize.query('select e.employee_id as EmployeeID, e.name as Name, group_concat(s.name) as Skills, e.lockstatus as Status, e.experience as Experience, e.manage
    {replacements: {managername: loginname}, model: employees, mapToModel: true, type: sequelize.QueryTypes.SELECT}
    ').then(function(employees){
      response.status(200).json(employees)
    })
  }
  catch(e){
    console.log(e)
    response.status(500);
  }
})
```

Step 4: Listing of Requestee, Requested date, manager data respective to the user(wfmManager) in the table.

```
route.post("/wfmtable", async function(request, response){
  try{
    let loginname = request.body.username;
    await sequelize.query("select s.employee_id as EmployeeID, s.manager as Name, s.reqdate as ReqDate, s.requestmessage as ReqMessage, s.status as Status from softlock s
    {replacements: {managername: loginname}, model: softlock, mapToModel: true, type: sequelize.QueryTypes.SELECT}
    ).then(function(employees){
      response.status(200).json(employees)
    })
  }
  catch(e){
    console.log(e)
    response.status(500);
  }
})
```

Step 5: Getting the value from the manager page popup for updating the status and to insert the message in the softlock(table).

```
route.put("/updateemployees", async function(request, response){
  try{
    let employeeid = request.body.employeeid;
    await sequelize.query("update employee set lockstatus='request_waiting' where employee_id=:employeeid;",
    {replacements: {employeeid: employeeid}, model: employees, mapToModel: true, type: sequelize.QueryTypes.UPDATE}
    ).then(function(employees){
      response.status(200).send("record updated");
    })
  }
  catch(e){
    console.log(e)
    response.status(500)
  }
})

route.post("/insertsoftlock", async function(request, response){
  try{
    let employeeid = request.body.employeeid;
    let manager = request.body.manager;
    let responsemessage = request.body.responsemessage;
    await sequelize.query("insert into softlock (employee_id, manager, reqdate, lastupdated, status, requestmessage) values(?, ?, CurDate(), CurDate(), 'waiting', ?)",
    {replacements: [employeeid, manager, responsemessage], model: softlock, mapToModel: true, type: sequelize.QueryTypes.INSERT}
    ).then(function(){
      response.status(200).send("record inserted");
    })
  }
  catch(e){
    console.log(e)
    response.status(500);
  }
})
```

Step 6: Getting the value from wfmManager page popup for changing the request sent by the manager.

```

route.put("/updateEmployee", async function(request, response){
  try{
    let employeeid = request.body.employeeid;
    let lockstatus=request.body.status;
    await sequelize.query("update employee set lockstatus = :lockstatus where employee_id = :employeeid",
    {replacements: {employeeid: employeeid, lockstatus: lockstatus}, model: employees, mapToModel: true, type: sequelize.QueryTypes.UPDATE}
    ).then(function(){
      response.status(200).json()
    })
  }
  catch(e){
    console.log(e)
    response.status(500);
  }
})

route.put("/updateSoftlock", async function(request, response){
  try{
    let employeeid = request.body.employeeid;
    let status=request.body.status;
    await sequelize.query("update softlock set status=:status ,lastupdated =CURDATE() where employee_id = :employeeid",
    {replacements: {employeeid: employeeid, status: status}, model: employees, mapToModel: true, type: sequelize.QueryTypes.UPDATE}
    ).then(function(){
      response.status(200).json()
    })
  }
  catch(e){
    console.log(e)
    response.status(500);
  }
})

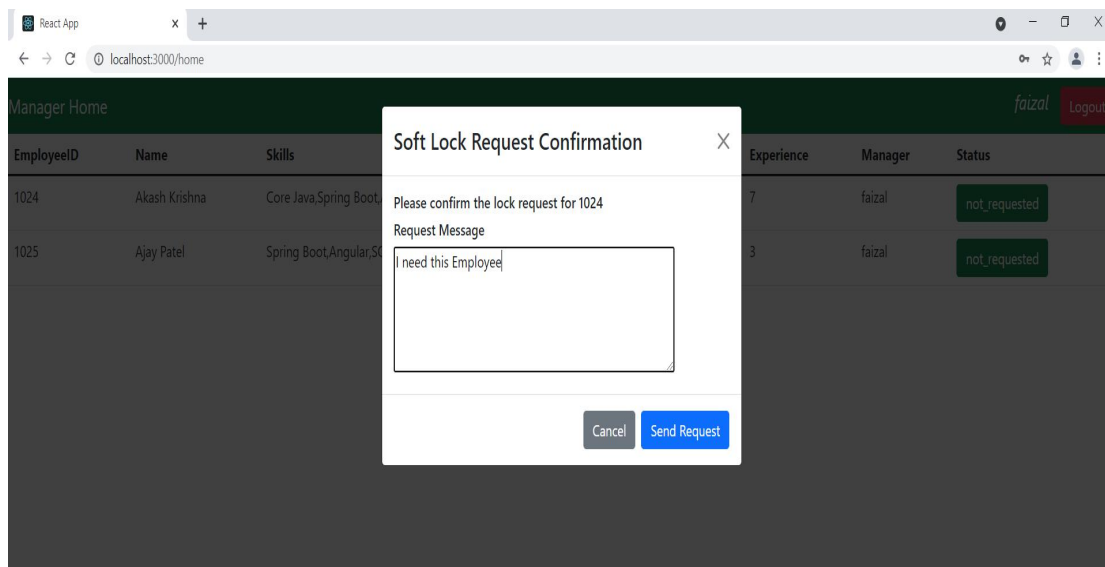
```

## Step 7: Manager Login Page

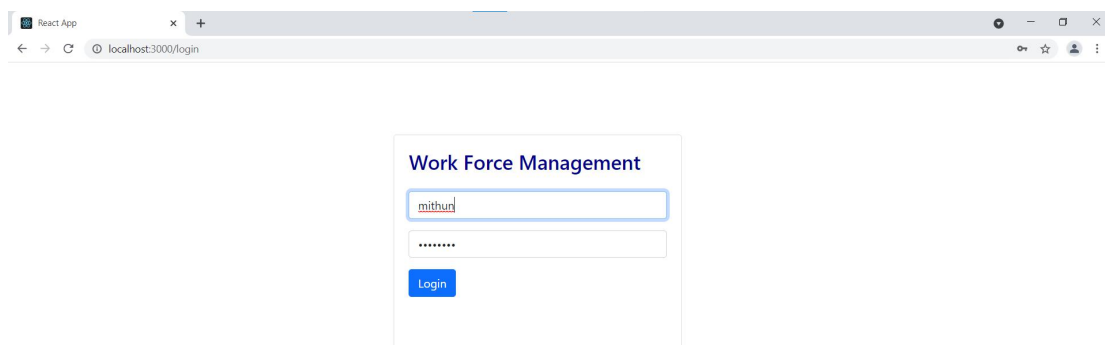
## Step 8: Manager page respective to the user(manager).

| EmployeeID | Name          | Skills                          | Profile                   | Experience | Manager | Status        |
|------------|---------------|---------------------------------|---------------------------|------------|---------|---------------|
| 1024       | Akash Krishna | Core Java, Spring Boot, Angular | Full Stack Java Developer | 7          | faizal  | not_requested |
| 1025       | Ajay Patel    | Spring Boot, Angular, SQL       | Full Stack Java Developer | 3          | faizal  | not_requested |

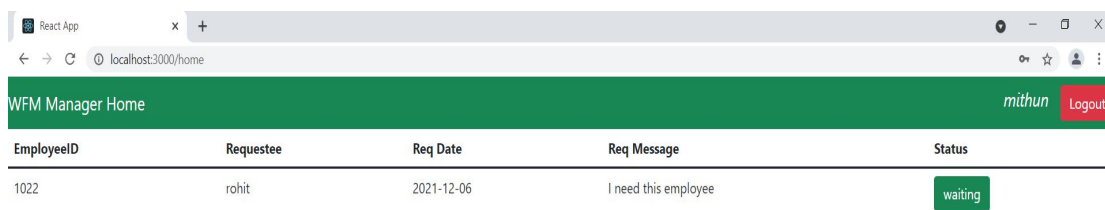
## Step 9: Pop-up of manager page to give request to wfmManager.



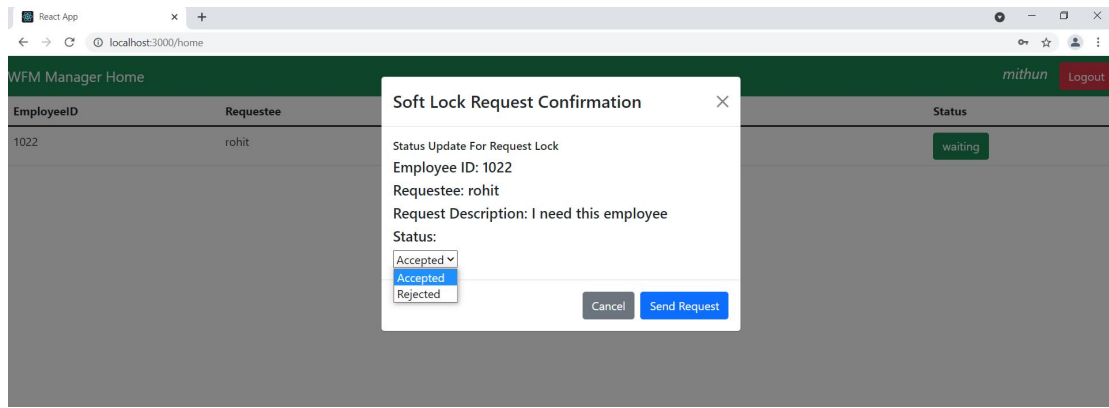
## Step 10: wfmManager Login Page.



## Step 11: wfmManager page respective to the user(wfmManager).



## Step 12: Pop-up of wfmManager page to accept or reject the request sent by Manager.



**Thank You**