

**Steps:**

Installation Of MySQL.

Configuring database : Database(WFM).

login functionality:

1. Manager.
2. WFM Manager.

After Installing MySQL Follow the Commands:

1. MySQL -u root -p(enter password).
2. Create Database WFM.
3. MySQL -u root -p --database WFM <backup.SQL

Now Database is Restored.

```
Tables_in_wfm
employee
employees
profile
skillmap
skills
softlock
softlocks
users
```

**LOGIN PAGE:**

**Work Force Management**

MANAGER HOME:

Manger-Home

rohitLogout

EmployeeID	Name	Skills	Profile	Experience	Manager	Status
1000	Ram Krishna	Core Java, Spring Boot, Angular	Full Stack Java Developer	7	rohit	not_requested
1001	Janardhan	Core Java, SQL, PLSQL	Java Developer	4	rohit	not_requested
1002	Deeraj Keshav	Core Java, REACT JS	UI Developer	5	rohit	not_requested
1003	Abdul Kadar	Spring Boot, Angular, NODE JS	Full Stack Javascript Developer	2	rohit	not_requested
1004	John Paul	Python, SQL, PLSQL	Python Developer	7	rohit	not_requested
1005	Atul Kulkarni	Core Java, SQL	Java Developer	5	rohit	not_requested
1006	Ajay Barot	SQL, PLSQL	Backend Developer	2	rohit	not_requested
1007	Benny Shaw	Spring Boot, Angular, REACT JS	Full Stack Java Developer	2	rohit	not_requested
1008	Akram Khan	Spring Boot, Angular	Full Stack Java Developer	7	rohit	not_requested
1009	Bejoy Menon	NODE JS, REACT JS	Full Stack Javascript Developer	2	rohit	not_requested

REQUEST CONFIRMATION:

Soft Lock Request Confirmation

Please confirm the lock request for 1002

Request Message

Cancel

Send Request

WFM HOME:

WFM-Home				lokesh	Logout
EmployeeID	Requestee	Req Date	Req Message	Status	
1002	rohit	2021-12-23	I need this employee	waiting	

SOFTLOCK CONFIRMATION:

WFM-Home

lokeshLogout

EmployeeID	Requestee	Status
1002	rohit	waiting

Soft Lock Request Confirmation

Status Update For Request Lock  
Employee ID: 1002  
Requestee: rohit  
Request Description: I need this employee  
Status:  
Accepted

CancelSend Request

employee_id	name	status	manager	wfm_manager	email	lockstatus	experience
1000	Ram Krishna	bench	rohit	lokesh	writevinodh@gmail.com	not_requested	7
1001	Janardhan	bench	rohit	lokesh	writevinodh@gmail.com	not_requested	4
1002	Deeraj Keshav	bench	rohit	lokesh	writevinodh@gmail.com	Accepted	5
1003	Abdul Kadar	bench	rohit	lokesh	writevinodh@gmail.com	not_requested	2
1004	John Paul	bench	rohit	lokesh	writevinodh@gmail.com	not_requested	7
1005	Atul Kulkarni	bench	rohit	mithun	writevinodh@gmail.com	not_requested	5
1006	Ajay Barot	bench	rohit	mithun	writevinodh@gmail.com	Accepted	2
1007	Benny Shaw	bench	rohit	mithun	writevinodh@gmail.com	not_requested	2
1008	Akram Khan	bench	rohit	mithun	writevinodh@gmail.com	not_requested	7
1009	Bejoy Menon	bench	rohit	mithun	writevinodh@gmail.com	not_requested	2
1010	Ravi Kishore	bench	rohit	naveen	writevinodh@gmail.com	not_requested	3
1011	Nandha Kumar	bench	rohit	naveen	writevinodh@gmail.com	not_requested	5
1012	Bennet Johnson	bench	rohit	naveen	writevinodh@gmail.com	not_requested	7
1013	Priya Sen	bench	rohit	naveen	writevinodh@gmail.com	not_requested	2
1014	Roshni Agarwal	bench	rohit	naveen	writevinodh@gmail.com	not_requested	5
1015	Deepti Sinha	bench	rohit	naveen	writevinodh@gmail.com	not_requested	4
1016	Divya Sharma	bench	rohit	naveen	writevinodh@gmail.com	Accepted	7
1017	Gangaram	projectbench	karan	lokesh	writevinodh@gmail.com	request_waiting	8
1018	Shreya	projectbench	karan	lokesh	writevinodh@gmail.com	locked	2
1019	Ashwini Kulkarni	projectbench	karan	lokesh	writevinodh@gmail.com	Accepted	2
1020	Amulya	projectbench	karan	lokesh	writevinodh@gmail.com	not_requested	7
1021	Vidharth	projectbench	karan	lokesh	writevinodh@gmail.com	not_requested	2
1022	Karthik Kumar	projectbench	faizal	mithun	writevinodh@gmail.com	request_waiting	4
1023	Swetha Chopra	projectbench	faizal	mithun	writevinodh@gmail.com	not_requested	5
1024	Akash Krishna	projectbench	faizal	mithun	writevinodh@gmail.com	not_requested	7
1025	Ajay Patel	projectbench	faizal	mithun	writevinodh@gmail.com	not_requested	3

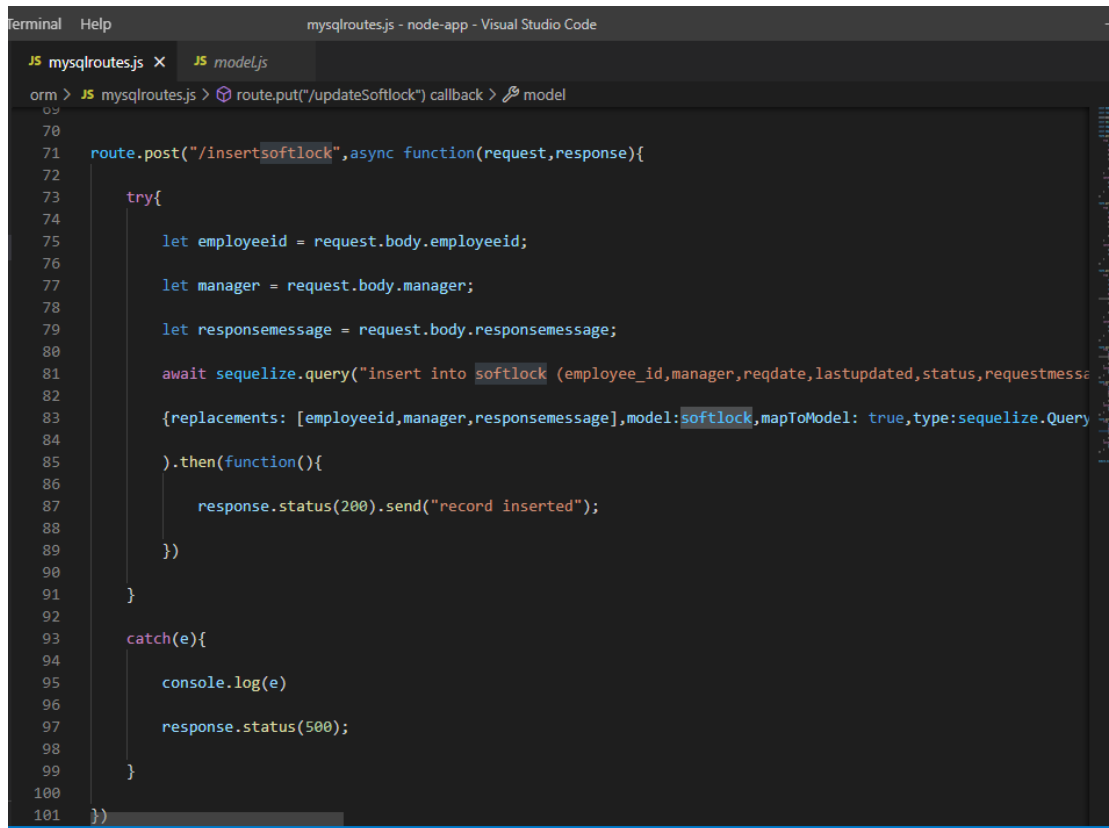
## API :

```
terminal  Help  mysqlroutes.js - node-app - Visual Studio Code

JS mysqlroutes.js X JS model.js
orm > JS mysqlroutes.js > route.put("/updateSoftlock") callback > model
const employees = model.employees,
11
12
13 route.post("/employees", async function(request, response){
14
15     try{
16
17         let loginname = request.body.username;
18
19         await sequelize.query('select e.employee_id as EmployeeID,e.name as Name,group_concat(s.name) as Skills,
20
21         {replacements: {managername: loginname},model:employees,mapToModel: true,type:sequelize.QueryTypes.SELECT
22
23         ).then(function(employees){
24
25             response.status(200).json(employees)
26
27         })
28     }
29
30     catch(e){
31
32         console.log(e)
33
34         response.status(500);
35
36     }
37
38 })
39
40
```

```
terminal  Help  mysqlroutes.js - node-app - Visual Studio Code

JS mysqlroutes.js X JS model.js
orm > JS mysqlroutes.js > route.put("/updateSoftlock") callback > model
38
39 })
40
41
42 route.put("/updateemployees", async function(request, response){
43
44     try{
45
46         let employeeid = request.body.employeeid;
47
48         await sequelize.query("update employee set lockstatus='request_waiting' where employee_id=:employeeid;"
49
50         {replacements: {employeeid: employeeid},model:employees,mapToModel: true,type:sequelize.QueryTypes.UPDA
51
52         ).then(function(employees){
53
54             response.status(200).send("record updated");
55
56         })
57     }
58
59     catch(e){
60
61         console.log(e)
62
63         response.status(500);
64
65     }
66
67 })
68
69
```



```
70
71 route.post("/insertsoftlock", async function(request, response){
72
73   try{
74
75     let employeeid = request.body.employeeid;
76
77     let manager = request.body.manager;
78
79     let responsemessage = request.body.responsemessage;
80
81     await sequelize.query("insert into softlock (employee_id,manager,reqdate,lastupdated,status,requestmess
82
83     {replacements: [employeeid,manager,responsemessage],model:softlock,mapToModel: true,type:sequelize.Query
84
85   }).then(function(){
86
87     response.status(200).send("record inserted");
88
89   })
90
91 }
92
93 catch(e){
94
95   console.log(e)
96
97   response.status(500);
98
99 }
100
101 })
```

If a manager logs in then he will be able to see the employees with their respective status, skill, experience provided with soft lock button which will give a modal popup.

After clicking on the soft lock button on a particular employee ,it will show a popup screen

If WFM Manager logs in we can observe the request sent by manager as a table in addition with a button

If WFM Manager clicks on the button for a particular request it will raise a popup for confirmation

After clicking Send Request Db got updated on both employee and soft lock table

THANK YOU