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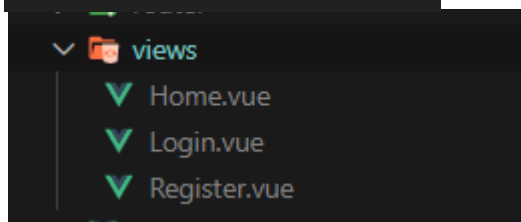
Exercise1:

Route:

```
Vue.use(VueRouter)

const routes = [
  {
    path: '/',
    name: 'Login',
    component: Login
  },
  {
    path: '/register',
    name: 'Register',
    component: Register
  },
  {
    path: '/Home',
    name: 'Home',
    component: Home,
    meta: {
      hideNavbar: true,
    }
  }
]
```

View:



Home:

```
<template>
  <div>
    <center>
      <div class="card col-9">
        <h5 class="card-header">HOME</h5>
        <div class="card-body">
          
          <h5 class="card-title">Welcome to Home page</h5>
          <a href="/" class="btn btn-danger">Log Out</a>
        </div>
      </div>
    </center>
  </div>
</template>

<style scoped>
  .card{
    margin-top: 15px;
    border: solid 2px;
  }
  .picture{
    width: 10vw;
  }
  .card-title{
    font-weight: bold;
    color: chartreuse;
  }
</style>
```

Login:

```
<template>
  <div class="container">
    <div class="login">
      <div class="card" style="width: 30rem;">
        <center>
          
        </center>
        <div class="input_info">
          <div class="mb-3">
            <label class="form-label"><b>Username or Email</b></label>
            <input type="text" class="form-control" id="username" placeholder="Enter email Or Username" v-model="username">
          </div>
          <div class="mb-3">
            <label class="form-label"><b>Password</b></label>
            <input type="password" class="form-control" id="password" placeholder="Enter password" v-model="password">
          </div>
        </div>
        <div class="message">
          <div v-if="message_success" class="alert alert-success" role="alert">
            Login Success
          </div>
          <div v-if="message_false" class="alert alert-danger" role="alert">
            {{command}}
          </div>
        </div>
      </div>
    </div>
  </div>
```


Result:

-home: <http://localhost:3000/home>

-Register: <http://localhost:3000/register>

-login: <http://localhost:3000/>

[Login](#) | [Register](#)



Username

Password

[Log in](#)

[Login](#) | [Register](#)

Register Here

Email

FirstName


LastName

Username

Password

[Register](#)

HOME



Welcome to Home page

[Log Out](#)

Exercise2:

Index.js

```
const express = require('express');
const app = express();
const cors = require("cors");
const bodyParser = require("body-parser");
const api = require('./routes/index');

app.use(bodyParser.urlencoded({ extended: false }));
app.use(cors({
  origin: '*'
}));

app.use('/api', api);

app.get('/', (req, res) => {
  res.send("Hello start")
})

app.listen(3001, () => {
  console.log('Server is running on http://localhost:3001/');
})
```

Route:

```
router.post('/login', async (req, res) => {

  //read from form
  const {username, password} = req.query;
  console.log(username, password);
  //read user
  const users = await readUser();
  let notExit = 0;
  //check user
  for(var i in users){
    //check user or email
    if(users[i].username == username || users[i].email == username){
      //check password
      notExit = 1;
      if(users[i].password == password){
        res.status(200).json({message: 'true', command: 'Login success'});
        break;
      }
      else{
        res.json({message: 'false', command: 'Password is incorrect...!'});
        break;
      }
    }
  }
  if(notExit == 0){
    res.json({message: 'false', command: 'User is not exist...!'});
  }
});
```

```

router.post('/register',async (req,res)=>{
  const {email,username,firstname,lastname,password} = req.query;

  if(!email || !username || !password || !firstname || !lastname ){
    res.json({message:'false',command:'Please input your all information...!'});
  }else{
    var users = readUser();
    var addStatus = 1;

    //check exist email or username
    for(var i in users){
      //if exist
      if(users[i].username==username || users[i].email == email){
        addStatus = 0;
        res.json({message:'false',command:'User is exist.PLease change email and username...!'});
      }
    }

    // create new user
    if(addStatus==1){
      var newUser = {
        "email": email,
        "username":username,
        "firstname":firstname,
        "lastname":lastname,
        "password":password
      };
      //append new user
      users.push(newUser);

      //write to db.json
      await writeUser(users);

      //return
      res.json({message:'true',command:'Create success'})
    }
  }
}

```

db.js

```

const fs =require("fs");
const path = require("path");

const readUser = ()=>{
  let rawdata = fs.readFileSync(path.join(process.cwd(),'db/user.json'),'utf8');
  if(!rawdata){
    return [];
  }else{
    return JSON.parse(rawdata);
  }
}

const writeUser = async (data)=>{
  if(data){
    fs.writeFileSync(path.join(process.cwd(),'db/user.json'),JSON.stringify(data),'utf8');
  }
}

module.exports = {
  readUser,
  writeUser,
}

```

Result: login true: <http://localhost:3001/api/login?username=ravit&password=1111>

false

POST

http://localhost:3001/api/login

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input type="checkbox"/>	username	'ravit'			
<input type="checkbox"/>	password	'1111'			
	Key	Value	Description		

Body

Cookies

Headers (8)

Test Results

Status: 200 OK

Time: 122 ms

Size: 320 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

"message": "false",

"command": "User is not exist...!"

True

POST

http://localhost:3001/api/login?username=ravit&password=1111

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	username	ravit			
<input checked="" type="checkbox"/>	password	1111			
	Key	Value	Description		

Body

Cookies

Headers (8)

Test Results

Status: 200 OK

Time: 11 ms

Size: 311 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

"message": "true",

"command": "Login success"

Exercise3: View the same Exercise 1

Axios in login page:

```
<script>
import axios from 'axios'
```


```
data(){
  return{
    username:"",
    password:"",
    info:null,
    message_false:false,
    message_success:false,
    command:"",
  }
},
methods:{
  getData(){
    axios.post(`http://localhost:3001/api/login?username=${this.username}&password=${this.password}`)
      .then(response => (
        this.info = response
      ))
      .then(()=>{
        if(this.info){
          console.log(this.info.data.message);
          if(this.info.data.message=='true'){
            this.message_success = true;
            location.href = '/home';
          }else{
            this.message_false=true;
            this.command = this.info.data.command;
          }
        }
      })
  }
}
```

Axios in register page:

```
methods:{
  writeUser(){
    axios.post(`http://localhost:3001/api/register?username=${this.username}&password=${this.password}&email=${this.email}&firstname=${this.firstname}&lastname=${this.lastname}`)
      .then(response => (
        this.info = response
      ))
      .then(()=>{
        if(this.info){
          console.log(this.info.data.message);
          if(this.info.data.message=='true'){
            this.message_success = true;
            location.href = '/';
          }else{
            this.message=true;
            this.command = this.info.data.command;
          }
        }
      })
  }
},
},
```

Result:

[Login](#) | [Register](#)




Username or Email

Password

User is not exist...!

[Log in](#)

[Login](#) | [Register](#)




Username or Email

Password

Password is incorrect...!

[Log in](#)

[Login](#) | [Register](#)



Username or Email

Password

Login Success

[Log in](#)

[Login](#) | [Register](#)

Register Here

Email

FirstName

LastName

Username

Password

Please input your all information...!

Register

[Login](#) | [Register](#)

Register Here

Email

FirstName

LastName

Username

Password

User is exist.PLease change email and username...!

Register

[Login](#) | [Register](#)

Register Here

Email

FirstName

LastName

Username

Password

Register Success

Register

HOME



Welcome to Home page

Log Out