# Coffee Data Base

## Graphical View

### Main

Graphical user interface, application, table

Description automatically generated

Graphical user interface, application

Description automatically generated

### Add user

Graphical user interface, text, application, email

Description automatically generated

### Linking RFID

Graphical user interface

Description automatically generated with medium confidence

### Adding Payments

Graphical user interface, text, application

Description automatically generated

## Coffee Login

Last login: Thu Oct 27 18:42:54 2022 from 87.148.129.45

sajjad@i80pc93:~$ ssh -X coffee@i80web2.ira.uka.de

coffee@i80web2.ira.uka.de's password:

Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-202-generic x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

\* Introducing Expanded Security Maintenance for Applications.

Receive updates to over 25,000 software packages with your

Ubuntu Pro subscription. Free for personal use.

https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

15 additional security updates can be applied with ESM Apps.

Learn more about enabling ESM Apps service at https://ubuntu.com/esm

New release '20.04.5 LTS' available.

Run 'do-release-upgrade' to upgrade to it.

Last login: Thu Oct 27 18:43:04 2022 from 141.3.72.86

coffee@i80web2:~$ cd /var/www/html/coffee

coffee@i80web2:/var/www/html/coffee$ mysql -u coffee -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 194

Server version: 5.7.41-0ubuntu0.18.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective

owners.

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

mysql> use coffee

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

## Tables

mysql> show tables;

+------------------+

| Tables\_in\_coffee |

+------------------+

| KaffeePreis |

| MaschinenStand |

| MilchPreis |

| WasserPreis |

| actions |

| errorlog |

| protokoll |

| rfid |

| token |

| unknownrfids |

| user |

+------------------+

11 rows in set (0,00 sec)

## Tables Details

mysql> describe KaffeePreis;

+-----------+-----------+------+-----+-------------------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-----------+------+-----+-------------------+----------------+

| id | int(11) | NO | PRI | NULL | auto\_increment |

| timestamp | timestamp | NO | | CURRENT\_TIMESTAMP | |

| preis | int(11) | NO | | NULL | |

+-----------+-----------+------+-----+-------------------+----------------+

3 rows in set (0,00 sec)

mysql> describe MaschinenStand;

+-----------+-----------+------+-----+-------------------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-----------+------+-----+-------------------+-------+

| timestamp | timestamp | NO | | CURRENT\_TIMESTAMP | |

| wert | int(11) | NO | | NULL | |

+-----------+-----------+------+-----+-------------------+-------+

2 rows in set (0,00 sec)

mysql> describe MilchPreis;

+-----------+-----------+------+-----+-------------------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-----------+------+-----+-------------------+----------------+

| id | int(11) | NO | PRI | NULL | auto\_increment |

| timestamp | timestamp | NO | | CURRENT\_TIMESTAMP | |

| preis | int(11) | NO | | NULL | |

+-----------+-----------+------+-----+-------------------+----------------+

3 rows in set (0,00 sec)

mysql> describe WasserPreis;

+-----------+-----------+------+-----+-------------------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-----------+------+-----+-------------------+----------------+

| id | int(11) | NO | PRI | NULL | auto\_increment |

| timestamp | timestamp | NO | | CURRENT\_TIMESTAMP | |

| preis | int(11) | NO | | NULL | |

+-----------+-----------+------+-----+-------------------+----------------+

3 rows in set (0,00 sec)

mysql> describe actions;

+-------+--------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-------+--------------+------+-----+---------+----------------+

| id | int(11) | NO | PRI | NULL | auto\_increment |

| text | varchar(125) | YES | | NULL | |

+-------+--------------+------+-----+---------+----------------+

2 rows in set (0,00 sec)

mysql> describe errorlog;

+-------------+-----------+------+-----+-------------------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-----------+------+-----+-------------------+-------+

| LastUserID | int(11) | YES | | NULL | |

| time | timestamp | NO | | CURRENT\_TIMESTAMP | |

| message | text | YES | | NULL | |

| ProtokollID | int(11) | YES | | NULL | |

+-------------+-----------+------+-----+-------------------+-------+

4 rows in set (0,00 sec)

mysql> describe protokoll;

+-----------+-------------+------+-----+-------------------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-------------+------+-----+-------------------+----------------+

| id | int(11) | NO | PRI | NULL | auto\_increment |

| UserID | int(11) | NO | MUL | NULL | |

| Time | timestamp | NO | | CURRENT\_TIMESTAMP | |

| Value | int(11) | NO | | NULL | |

| Kommentar | varchar(80) | NO | | NULL | |

| ActionID | int(11) | YES | MUL | NULL | |

+-----------+-------------+------+-----+-------------------+----------------+

6 rows in set (0,00 sec)

mysql> describe rfid;

+--------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+-------------+------+-----+---------+-------+

| userid | int(11) | NO | MUL | NULL | |

| rfid | varchar(16) | NO | PRI | NULL | |

+--------+-------------+------+-----+---------+-------+

2 rows in set (0,00 sec)

mysql> describe token;

+--------+------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+------------+------+-----+---------+-------+

| userid | int(11) | NO | PRI | NULL | |

| token | varchar(5) | NO | UNI | NULL | |

+--------+------------+------+-----+---------+-------+

2 rows in set (0,00 sec)

mysql>

mysql> describe unknownrfids;

+-------+-------------+------+-----+-------------------+-----------------------------+

| Field | Type | Null | Key | Default | Extra |

+-------+-------------+------+-----+-------------------+-----------------------------+

| rfid | varchar(16) | NO | | NULL | |

| time | timestamp | NO | | CURRENT\_TIMESTAMP | on update CURRENT\_TIMESTAMP |

+-------+-------------+------+-----+-------------------+-----------------------------+

2 rows in set (0,00 sec)

mysql> describe user;

+----------+--------------------------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------------------------+------+-----+---------+----------------+

| Name | varchar(100) | NO | | NULL | |

| id | int(11) | NO | PRI | NULL | auto\_increment |

| hidden | enum('yes','no') | NO | | no | |

| inactive | enum('yes','no') | NO | | no | |

| mode | enum('unknown','black','milk') | NO | | unknown | |

+----------+--------------------------------+------+-----+---------+----------------+

5 rows in set (0,00 sec)

## Table Samples

mysql>

mysql> SELECT \* FROM user;

+--------------------------------+-----+--------+----------+---------+

| Name | id | hidden | inactive | mode |

+--------------------------------+-----+--------+----------+---------+

| Kaffeemaschine | 0 | no | no | black |

| Sebastian | 1 | no | yes | milk |

| Lars | 2 | no | no | milk |

| Benjamin | 3 | no | yes | unknown |

| Artjom | 4 | no | yes | black |

| Thomas | 5 | no | yes | milk |

mysql> SELECT \* FROM unknownrfids;

+------------------+---------------------+

| rfid | time |

+------------------+---------------------+

| 123 | 2014-01-08 14:38:56 |

| 123 | 2014-01-08 14:41:08 |

| 234 | 2014-01-08 14:41:13 |

| 456 | 2014-01-08 14:41:18 |

| 456 | 2014-01-08 14:41:58 |

| hallo | 2014-01-08 14:47:08 |

| fff | 2014-01-15 17:41:35 |

| 04203A52780 | 2014-01-15 17:59:15 |

| 690D5637 | 2014-01-19 15:09:35 |

| 45671E7F | 2014-01-19 17:02:53 |

mysql> SELECT \* FROM token;

+--------+-------+

| userid | token |

+--------+-------+

| 72 | 3531f |

| 0 | C0FFE |

| 1 | a2754 |

| 2 | 52814 |

| 3 | d207a |

| 4 | f7efa |

mysql> SELECT \* FROM rfid;

+--------+----------------+

| userid | rfid |

+--------+----------------+

| 24 | 08AD3B9A |

| 72 | 04203A527A2280 |

| 1 | 1551AD80 |

| 2 | D694D380 |

| 2 | 72B3CABB |

| 56 | 19E2393B |

| 1 | 0881E05E |

mysql> SELECT \* FROM protokoll;

+-------+--------+---------------------+--------+-----------------------------------------------------------------+----------+

| id | UserID | Time | Value | Kommentar | ActionID |

+-------+--------+---------------------+--------+-----------------------------------------------------------------+----------+

| 1 | 3 | 2012-06-19 13:13:18 | -20 | Buy (app) | 1 |

| 2 | 1 | 2012-06-19 13:14:14 | -20 | Buy (app) | 1 |

| 3 | 5 | 2012-06-19 13:18:09 | -20 | Buy (app) | 1 |

| 4 | 6 | 2012-06-19 13:44:18 | -20 | Buy (web) | 1 |

| 5 | 2 | 2012-06-19 13:54:11 | -20 | Strichlistenabrechnung: 1 Kaffee | 6 |

| 6 | 9 | 2012-06-19 13:54:11 | -20 | Strichlistenabrechnung: 1 Kaffee | 6 |

| 7 | 10 | 2012-06-19 13:54:11 | -20 | Strichlistenabrechnung: 1 Kaffee | 6 |

| 8 | 11 | 2012-06-19 13:54:11 | -20 | Strichlistenabrechnung: 1 Kaffee | 6 |

| 9 | 13 | 2012-06-19 13:54:11 | -20 | Strichlistenabrechnung: 1 Kaffee | 6 |

| 10 | 1 | 2012-06-19 13:58:02 | -20 | Buy (app) | 1 |

mysql> SELECT \* FROM errorlog;

+------------+---------------------+---------------------------------------------------------------------------------------------------------------------------------------------------+-------------+

| LastUserID | time | message | ProtokollID |

+------------+---------------------+---------------------------------------------------------------------------------------------------------------------------------------------------+-------------+

| 1 | 2014-03-19 15:02:21 | Testmeldung | NULL |

| 0 | 2014-03-25 12:30:25 | hallo | NULL |

| 0 | 2014-03-25 12:30:31 | halloe | NULL |

| 0 | 2014-03-25 12:30:34 | halloegsd | NULL |

| 0 | 2014-03-25 12:30:35 | halloegsddfgdsg | NULL |

| 0 | 2014-03-25 12:30:42 | halloegsddfgdsg | NULL |

| 0 | 2014-03-25 12:30:46 | halloegsddfgdsg sfljk | NULL |

| 0 | 2014-03-25 16:29:15 | halloegsddfgdsg | NULL |

| 4 | 2014-03-26 16:55:11 | Cheating detected; last account charged. | 0 |

| 1 | 2014-03-28 13:23:59 | User claimed error. | 0 |

mysql> SELECT \* FROM actions;

+----+----------------------+

| id | text |

+----+----------------------+

| 1 | Black Coffee |

| 2 | Coffee with Milk |

| 3 | Hot Water |

| 4 | Deposit Money |

| 5 | Withdraw Money |

| 6 | Tally Sheet |

| 7 | Maintenance Material |

| 8 | Consumables |

| 9 | Unknown |

| 10 | Debugging Coffee |

+----+----------------------+

10 rows in set (0,00 sec)

mysql>

mysql> SELECT \* FROM WasserPreis;

+----+---------------------+-------+

| id | timestamp | preis |

+----+---------------------+-------+

| 1 | 2014-03-19 15:38:28 | -1 |

+----+---------------------+-------+

1 row in set (0,01 sec)

mysql> SELECT \* FROM MilchPreis;

+----+---------------------+-------+

| id | timestamp | preis |

+----+---------------------+-------+

| 1 | 2012-07-04 13:25:51 | -3 |

| 2 | 2014-04-28 13:52:45 | -5 |

+----+---------------------+-------+

2 rows in set (0,00 sec)

mysql>

mysql> SELECT \* FROM MaschinenStand;

+---------------------+-------+

| timestamp | wert |

+---------------------+-------+

| 2012-09-04 10:16:05 | 1230 |

| 2012-10-16 17:53:29 | 1873 |

| 2013-01-24 12:11:16 | 3648 |

| 2013-03-01 14:35:50 | 4494 |

| 2013-04-03 16:18:44 | 5144 |

| 2013-05-07 13:51:12 | 5731 |

| 2013-07-22 18:01:32 | 7061 |

| 2013-08-23 10:28:01 | 7670 |

| 2013-10-21 13:18:10 | 8699 |

| 2013-11-12 13:48:41 | 9167 |

| 2014-01-03 11:51:11 | 10096 |

| 2014-03-14 13:24:54 | 11366 |

| 2014-04-10 17:10:49 | 11950 |

| 2014-05-14 14:16:22 | 12504 |

| 2014-06-26 10:15:25 | 13052 |

| 2014-08-07 17:07:32 | 13551 |

| 2014-09-22 16:23:00 | 14151 |

| 2014-12-11 15:40:43 | 15145 |

| 2015-02-16 17:59:46 | 15730 |

| 2015-08-10 14:57:49 | 17344 |

| 2015-10-12 11:35:14 | 17931 |

+---------------------+-------+

21 rows in set (0,01 sec)

mysql>

mysql> SELECT \* FROM KaffeePreis;

+----+---------------------+-------+

| id | timestamp | preis |

+----+---------------------+-------+

| 1 | 2012-06-18 17:10:02 | 20 |

| 2 | 2012-06-18 17:23:16 | 15 |

| 3 | 2012-06-18 17:44:35 | -20 |

| 5 | 2012-10-16 14:02:07 | -22 |

| 6 | 2014-04-28 13:57:52 | -21 |

| 7 | 2015-10-29 15:43:36 | -20 |

+----+---------------------+-------+

6 rows in set (0,00 sec)

mysql>

# Bezkoder

Graphical user interface, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Shape

Description automatically generated with medium confidence

# Welfare Database

## Different Queries

### - Select a protokoll by searching a name

SELECT \* FROM `protokoll` WHERE userid=(SELECT id FROM `candidate` WHERE name='Anees');

### -select name, timestamp, value, kommentar from candidate and protokoll

SELECT candidate.name, protokoll.timestamp, protokoll.value, protokoll.kommentar

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

### -select name, timestamp, value, kommentar, description from candidate action and protokoll

SELECT candidate.name, protokoll.timestamp, protokoll.value, protokoll.kommentar, action.description

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

### -select name, timestamp, value, kommentar, description from candidate action and protokoll, searching by NAME

SELECT candidate.name, protokoll.timestamp, protokoll.value, protokoll.kommentar, action.description

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

WHERE candidate.name='Anees'

SELECT candidate.name, protokoll.timestamp, protokoll.value, protokoll.kommentar, action.description

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

WHERE LOWER(candidate.name) LIKE LOWER('%sajjad%')

SELECT candidate.name, protokoll.timestamp, protokoll.value, protokoll.kommentar, action.description

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

WHERE LOWER(candidate.name) = LOWER('%sajjad%')

### - operations on dates

SELECT timestamp FROM `shareunit` WHERE id=1;

SELECT DATEDIFF('2007-12-31 23:59:59','2007-12-30');

SELECT TIMESTAMPDIFF (month, timestamp, '2022-12-1' ) FROM `shareunit` WHERE id=1;

SELECT TIMESTAMPDIFF (month, timestamp, NOW() ) FROM `shareunit` WHERE id=1;

SELECT (TIMESTAMPDIFF (month, timestamp, NOW())+1) FROM `shareunit` WHERE id=1;

SELECT DATE\_ADD(timestamp, INTERVAL 5 MONTH) FROM `shareunit` WHERE id=1;

SELECT MONTHNAME(DATE\_ADD(timestamp, INTERVAL 5 MONTH)) FROM `shareunit` WHERE id=1;

SELECT MONTHNAME(timestamp) FROM `shareunit` WHERE id=1;

### -calculating date and month

SELECT MONTHNAME(DATE\_ADD(timestamp, INTERVAL 1 MONTH)) as loan\_start, MONTHNAME(DATE\_ADD(timestamp, INTERVAL 5 MONTH)) as loan\_end FROM `shareunit` WHERE id=1;

SELECT abs(preis) FROM `loanunit` WHERE cid=1;

SELECT maxinst FROM `loanunit` WHERE cid=1;

SELECT preis FROM `shareunit` WHERE cid=1 ORDER BY id DESC LIMIT 1;

SELECT maxinst FROM `loanunit` WHERE cid=1 ORDER BY id DESC LIMIT 1;

SELECT DATE\_FORMAT(timestamp,'%b-%Y') FROM `shareunit` WHERE id=1;

## Individuals

### Show left loan

SELECT SUM(value)\*1000 as "loan\_left" FROM protokoll WHERE (userid=22 and cid=1 and (actionid=3 or actionid=5));



Postman: localhost:8080/api/sql/loanleft/?id=13&cid=1

localhost:8080/api/sqlLoanLefts/?id=13&cid=1

### Last loan

SELECT \* FROM protokoll WHERE (actionid=5 and userid=22) ORDER BY id DESC LIMIT 1;



Postman: localhost:8080/api/sql/lastloan/?id=13&cid=1

### Max Allowed installments

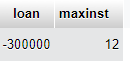
SELECT maxinst FROM `loanunit` WHERE cid=1 ORDER BY id DESC LIMIT 1;



Postman: localhost:8080/api/sql/maxinst/1

### Max allowed loan

SELECT preis\*1000 as "loan", maxinst FROM `loanunit` WHERE cid=1 ORDER BY id DESC LIMIT 1;



Postman: localhost:8080/api/sql/maxloan/1

### Installment durations for last loan

SELECT DATE\_FORMAT(DATE\_ADD(timestamp, INTERVAL 1 MONTH),'%b-%Y') as loan\_start, DATE\_FORMAT(DATE\_ADD(timestamp, INTERVAL (SELECT maxinst FROM `loanunit` WHERE cid=1 ORDER BY id DESC LIMIT 1) MONTH),'%b-%Y') as loan\_end FROM `protokoll` WHERE (actionid=5 and userid=22) ORDER BY id DESC LIMIT 1;

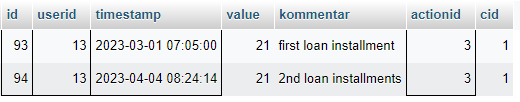


Postman: localhost:8080/api/sql/loanduration/?id=13&cid=1

### Installments paid for last loan

SELECT \* FROM protokoll WHERE (actionid=3 and userid=13 and (timestamp > (SELECT timestamp FROM protokoll WHERE (actionid=5 and userid=13) ORDER BY id DESC LIMIT 1)));

SELECT timestamp, value\*1000 as installment, kommentar FROM protokoll WHERE (cid=1 and actionid=3 and userid=13 and (timestamp > (SELECT timestamp FROM protokoll WHERE (cid=1 and actionid=5 and userid=13) ORDER BY id DESC LIMIT 1)));



Postman: localhost:8080/api/sql/instpaid/?id=13&cid=1

### shares due months for an id

SELECT

((SELECT ((TIMESTAMPDIFF (month, timestamp, NOW())+1))\*preis FROM `shareunit` WHERE cid=1 ORDER BY id DESC LIMIT 1)

-

(SELECT SUM(value) FROM protokoll WHERE userid=1 and actionid=2))/5 as due\_months;

SELECT

((SELECT ((TIMESTAMPDIFF (month, timestamp, NOW())+1))\*preis FROM `shareunit` WHERE cid=1 ORDER BY id DESC LIMIT 1)

-

(SELECT SUM(value) FROM protokoll WHERE userid=1 and actionid=2 and cid=1))/5 as due\_months;



Postman: localhost:8080/api/sql/duemonths/?id=13&cid=1

### Minimum possible monthly installment

SELECT

(SELECT value FROM protokoll WHERE (actionid=5 and userid=22 and cid=1) ORDER BY id DESC LIMIT 1) \* (-1000)

/

(SELECT maxinst FROM `loanunit` WHERE cid=1 ORDER BY id DESC LIMIT 1) as min\_instal;



Postman: localhost:8080/api/sql/mininstamount/?id=13&cid=1

## Common (Admin)

### TOTAL OVERALL BALANCE

SELECT

SUM(value)\*1000 as "total\_bal"

FROM protokoll WHERE cid=1;



Postman: localhost:8080/api/sql/totalbal/1

### Show all monthly dues

SELECT candidate.id, candidate.name, (SUM(protokoll.value)-((SELECT ((TIMESTAMPDIFF (month, timestamp, NOW())+1))\*preis FROM `shareunit` WHERE cid=1 ORDER BY id DESC LIMIT 1)))\*1000 as "current dues"

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

WHERE (actionid=2)

GROUP BY userid;



Postman: localhost:8080/api/sql/allmonthlydues/1

### select userid/name wise overall balances

SELECT candidate.id, candidate.name, SUM(protokoll.value)\*1000 as "total\_bal", protokoll.kommentar

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

GROUP BY userid;

SELECT candidate.id, candidate.name, SUM(protokoll.value)\*1000 as "total\_bal", protokoll.kommentar

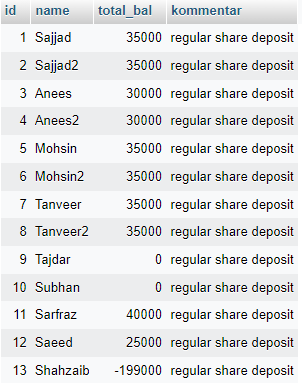
FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

WHERE protokoll.cid=1

GROUP BY protokoll.userid



Postman: localhost:8080/api/sql/overallbal/1

### Total Loan for all

SELECT candidate.name, SUM(protokoll.value)\*1000 as "total loan", protokoll.kommentar, action.description

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

WHERE (actionid=5 and protokoll.cid=1)

GROUP BY userid;



Postman: localhost:8080/api/sql/overallloan/1

### Total Loan dues for all

SELECT candidate.name, SUM(protokoll.value)\*1000 as "total\_loan\_left", protokoll.kommentar

FROM candidate

JOIN protokoll ON protokoll.userid = candidate.id

JOIN action ON protokoll.actionid = action.id

WHERE ((actionid=5 or actionid=3) and cid=1)

GROUP BY userid;



Postman: localhost:8080/api/sql/overallloandues/1

# Searching Ports

D:\github\welfareCommittee\back\server.js (1 hit)

Line 8: origin: "http://localhost:8081"

D:\github\welfareCommittee\front\src\http-common.ts (1 hit)

Line 4: baseURL: "http://localhost:8080/api",

D:\github\welfareCommittee\front\src\services\auth.service.ts (1 hit)

Line 3: const API\_URL = "http://localhost:8080/api/auth/";

D:\github\welfareCommittee\front\src\services\user.service.ts (1 hit)

Line 4: const API\_URL = 'http://localhost:8080/api/test/';