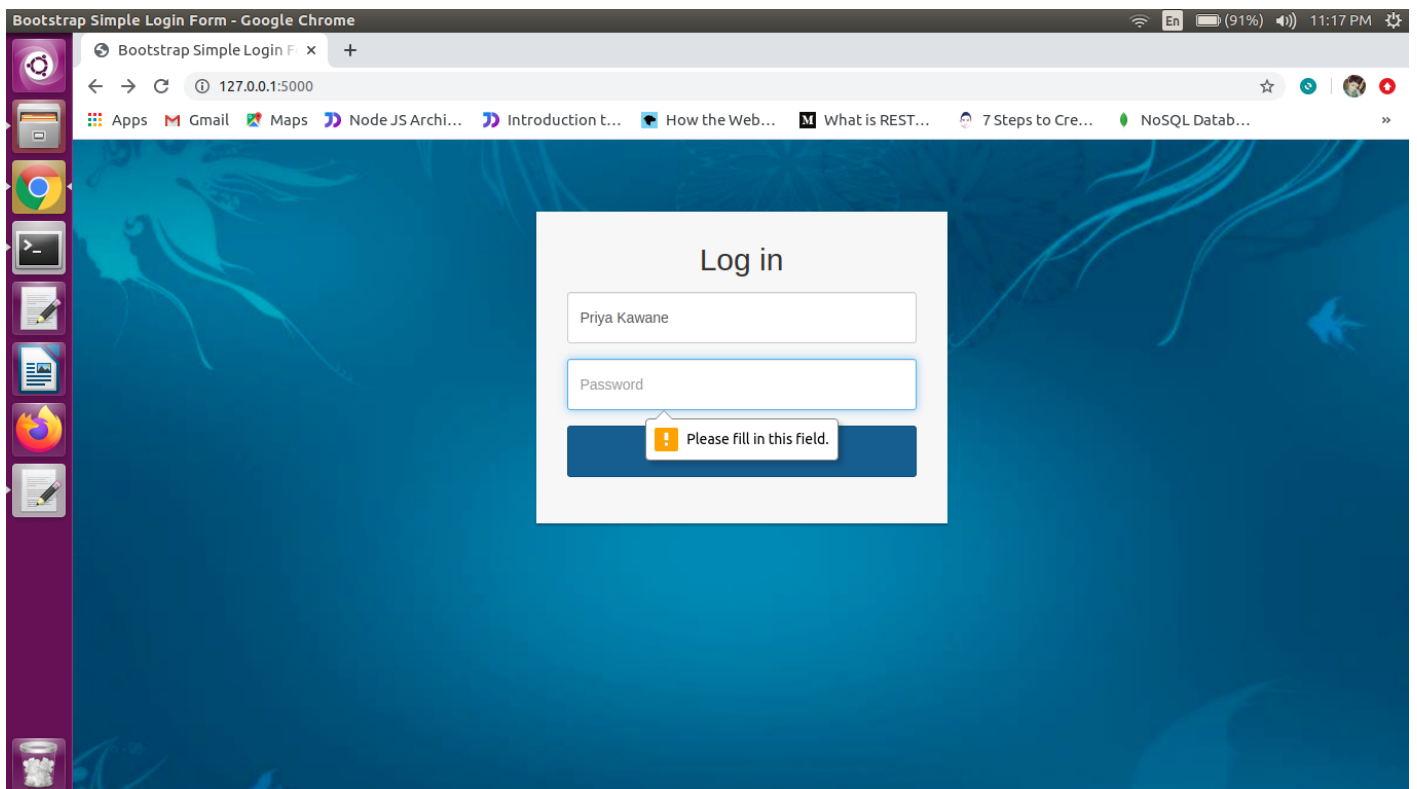
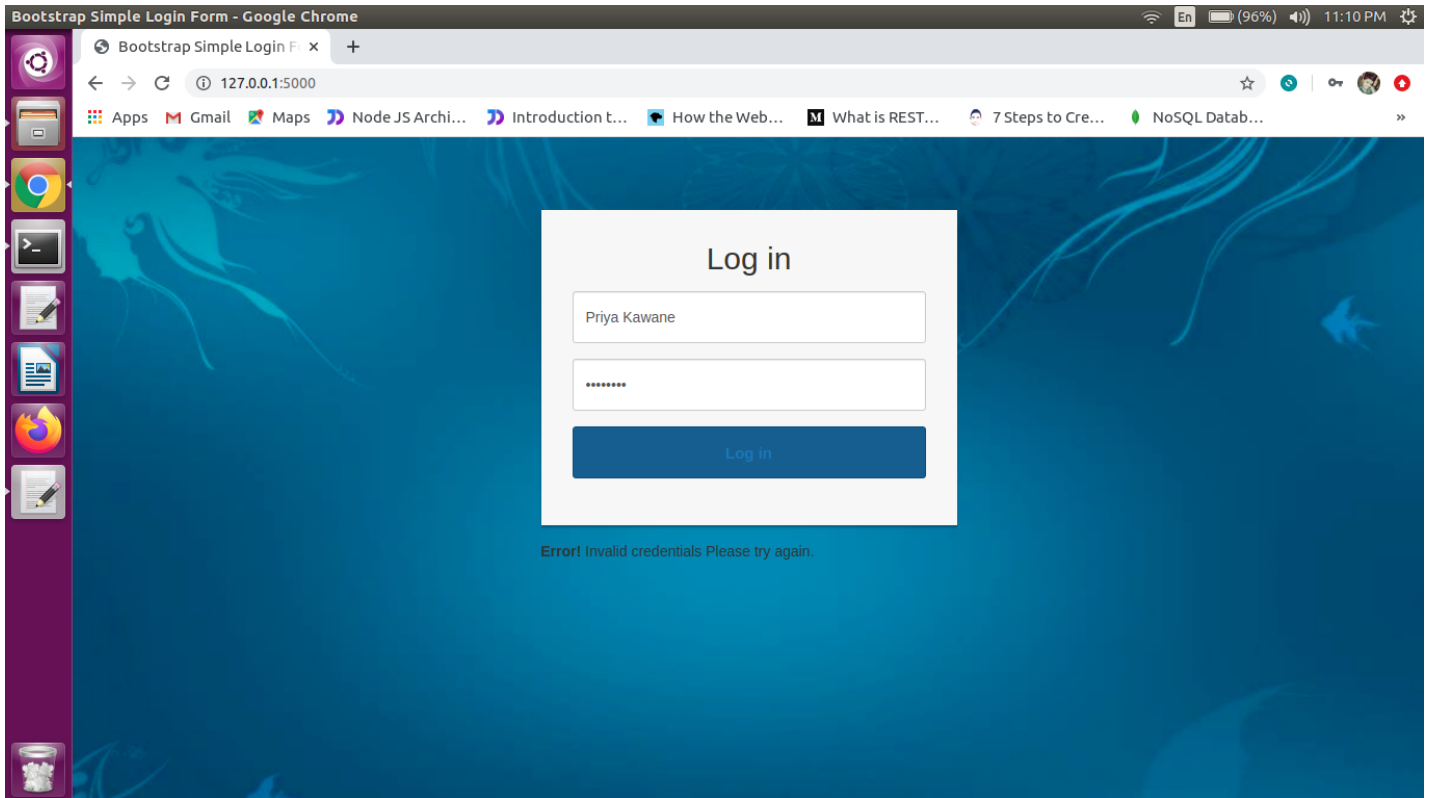


Name : Priya Balasaheb Kawane
Roll No : 17132
Partner Name : (No Partner)
Project Name : Employee Leave Management System

- **My project is related to Employee Leave Management System for HR.**
- **For HR perspective I have design the details of employees .**
- **Many of organization has 20 to 22 leaves for each employee for each year.**
- **I have consider the 20 leaves yearly for each employee.**
- **There are types of leave which employee can choose :**
 - 1. Sick leave**
 - 2. Paid leave**
 - 3. Casual leave**
 - 4. Work from home**
- **Also there is status of leave :**
 - 1. Total leave**
 - 2. Approved leave**
 - 3. Pending leave**
 - 4. Rejected leave**
- **Also we have shown the record of employee i.e. Leave creators(which employee has taken the leave.)**
- **We have shown the details of each employee's leave i.e. that details are :**
 - 1. Leave Status : Is Confirmed, Rejected, Pending.**
 - 2. Leave Creator : Is employee who leave craeted .**
 - 3. Summary : Is leave type(i.e. sick,paid,casual,work from home)**
 - 4. Start time : Is on which day and what time leave created.**
 - 5. End time : Is on which day and what time leave ends.**
 - 6. Total leave days : count for each leave**
- **We have shown the statistic of leave type which leave has more demand. So that HR can maintain the leaves for organization.**
- **We have shown the statistic of leave status.**

1. Login Screen :

Only HR or Authenticate person of Organization can login the this site. Hence below credentials are invalid so it dont login to our site.



2. Home page :

After Successful login of HR or Authenticate person then he/she redirect to home page.

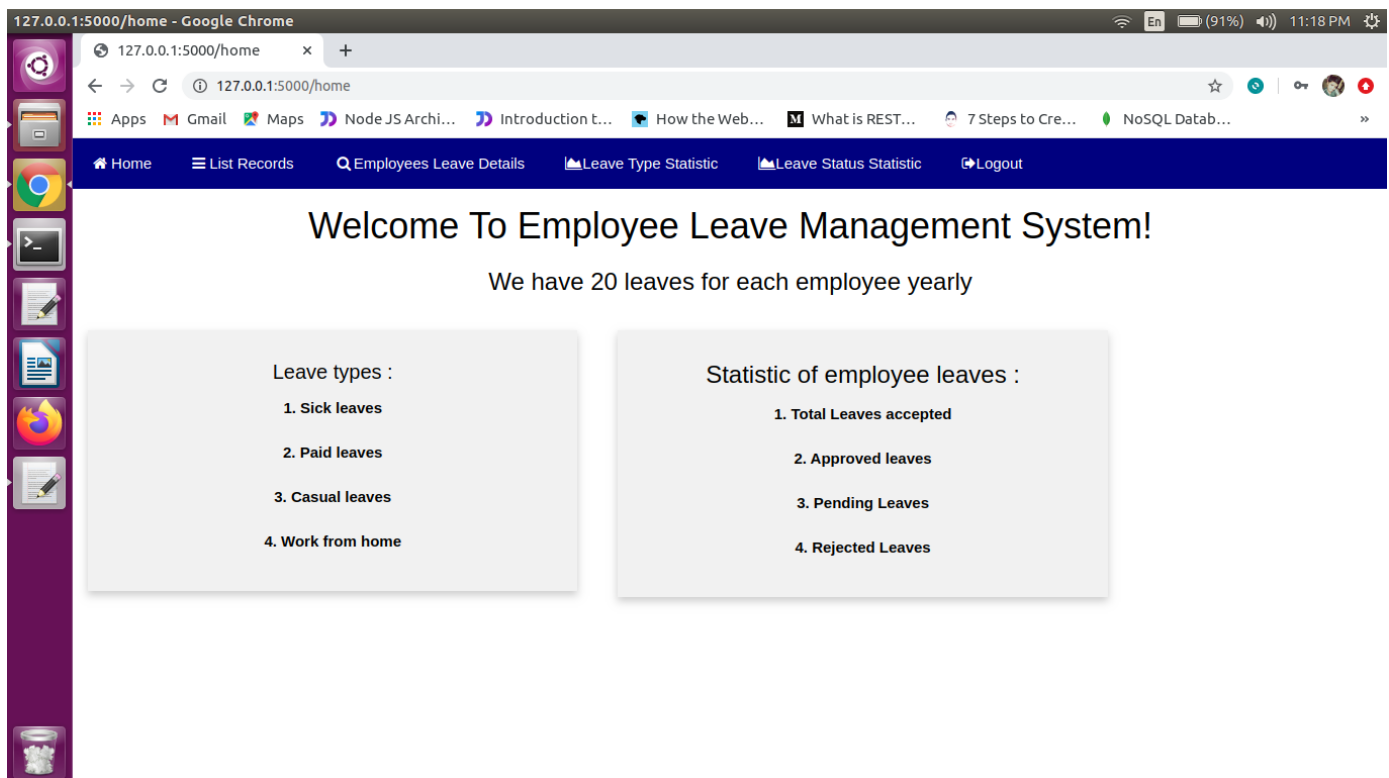
➤ In that we have shown the information of leaves

1. Types of leave

- a. Sick leave
- b. Paid leave
- c. Casual leave
- d. Work from home

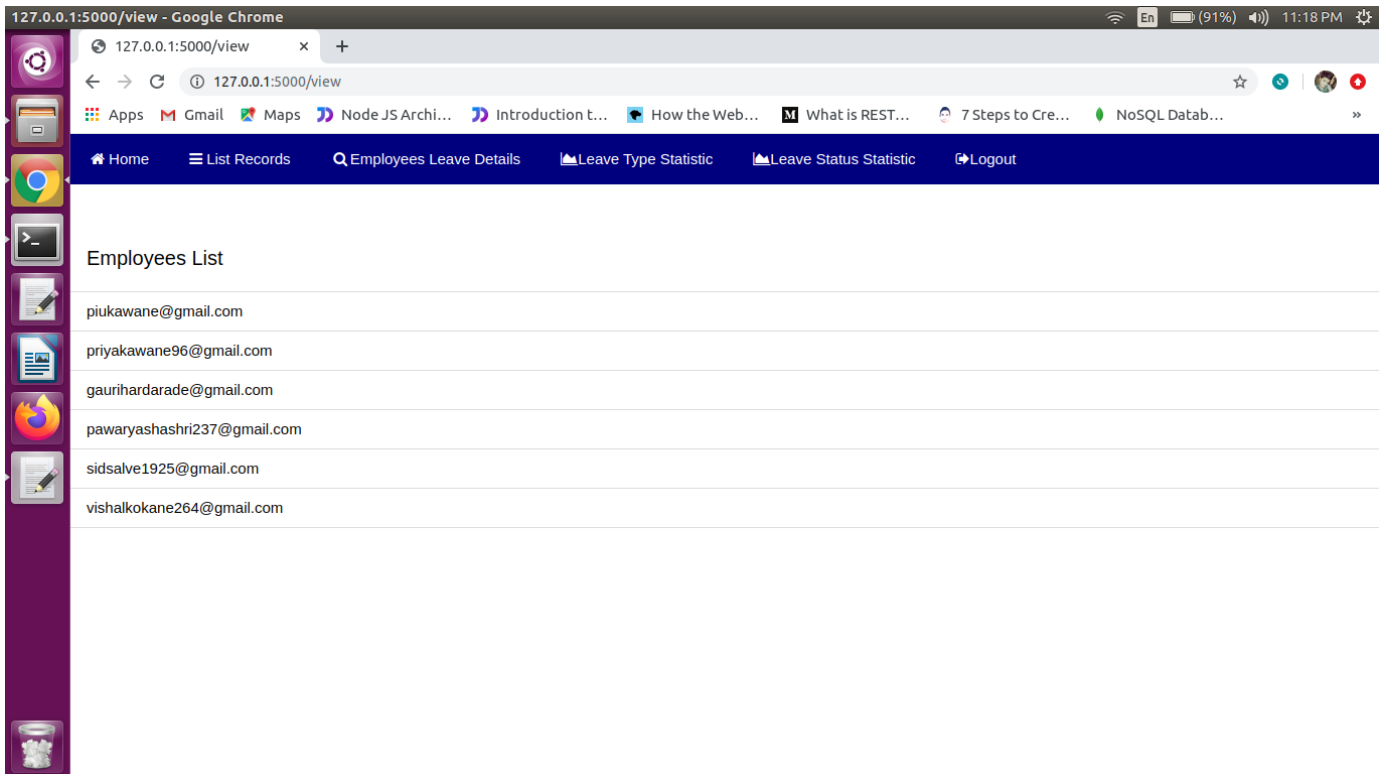
2. Status Of leave

- a. Total leave
- b. Confirmed leave
- c. Pending leave
- d. Rejected leave

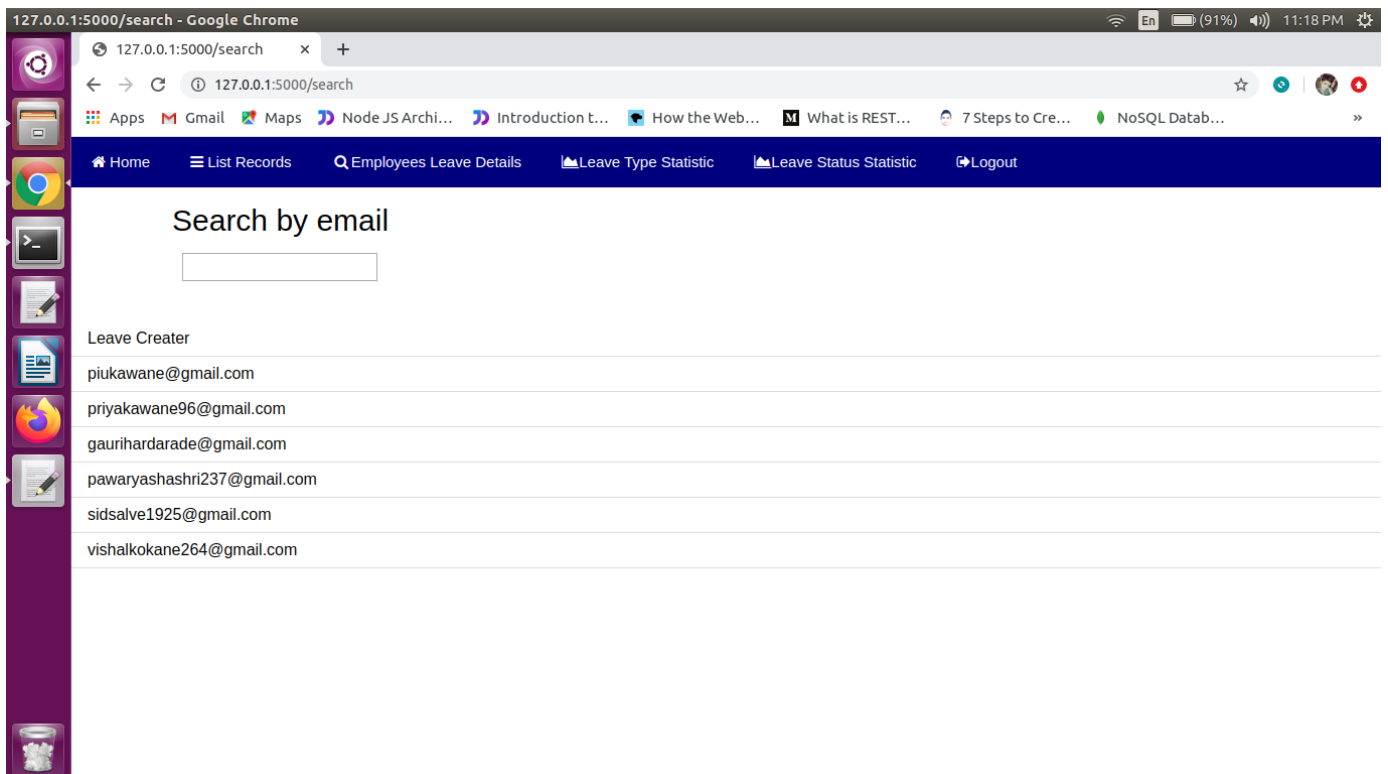


3. List record of employee :

Heance Employee list contains leave creator who had created a leave



4. Search Record :



5. Get Employee leave Details :

we get details of employee leave after searching for specific user.

Leave Details are :

1. Leave Status : Is Confirmed, Rejected, Pending.
2. Leave Creator : Is employee who leave created .
3. Summary : Is leave type(i.e. sick,paid,casual,work from home)
4. Start time : Is on which day and what time leave created.
5. End time : Is on which day and what time leave ends.
6. Total leave days : count for each leave

The screenshot shows a web browser window with the URL `127.0.0.1:5000/search`. The page has a dark blue header with navigation links: Home, List Records, Employees Leave Details (active), Leave Type Statistic, Leave Status Statistic, and Logout. Below the header, there is a search section titled "Search by email" with a text input field containing "vi" and a dropdown menu showing "vishalkokane264@gmail.com". Below the search section, there is a list of leave creators with their email addresses. At the bottom, there is a table showing leave details for the selected user.

Leave Status	Leave creator	Summary	Start time	End time	Total Leave days
confirmed	vishalkokane264@gmail.com	paid leave	2020-06-11T09:00:00+05:30	2020-06-23T19:00:00+05:30	13
confirmed	vishalkokane264@gmail.com	paid leave	2020-06-26T14:00:00+05:30	2020-06-26T20:00:00+05:30	1
confirmed	vishalkokane264@gmail.com	work from home	2020-06-29T09:00:00+05:30	2020-06-29T19:00:00+05:30	1

127.0.0.1:5000/search - Google Chrome

127.0.0.1:5000/search

Apps Gmail Maps Node JS Archi... Introduction t... How the Web... What is REST... 7 Steps to Cre... NoSQL Datab...

Home List Records Employees Leave Details Leave Type Statistic Leave Status Statistic Logout

Search by email

sidsalve1925@gmail.com

Leave Creator

piukawane@gmail.com

priyakawane96@gmail.com

gaurihardarade@gmail.com

pawaryashashri237@gmail.com

sidsalve1925@gmail.com

vishalkokane264@gmail.com

Leave Status	Leave creator	Summary	Start time	End time	Total Leave days
confirmed	sidsalve1925@gmail.com	work from home	2020-06-09T18:30:00+05:30	2020-06-11T19:30:00+05:30	3

127.0.0.1:5000/search - Google Chrome

127.0.0.1:5000/search

Apps Gmail Maps Node JS Archi... Introduction t... How the Web... What is REST... 7 Steps to Cre... NoSQL Datab...

Home List Records Employees Leave Details Leave Type Statistic Leave Status Statistic Logout

Search by email

piukawane@gmail.com

Leave Creator

piukawane@gmail.com

priyakawane96@gmail.com

gaurihardarade@gmail.com

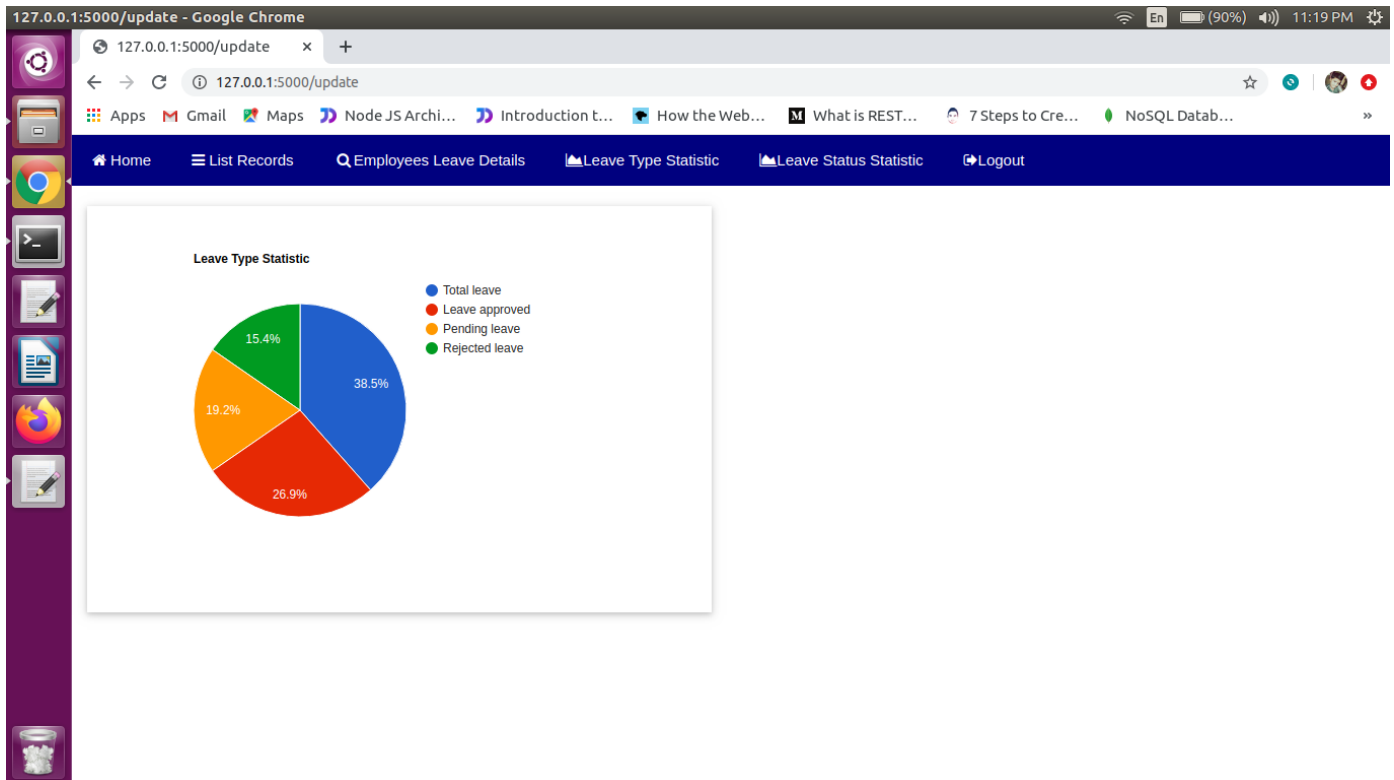
pawaryashashri237@gmail.com

sidsalve1925@gmail.com

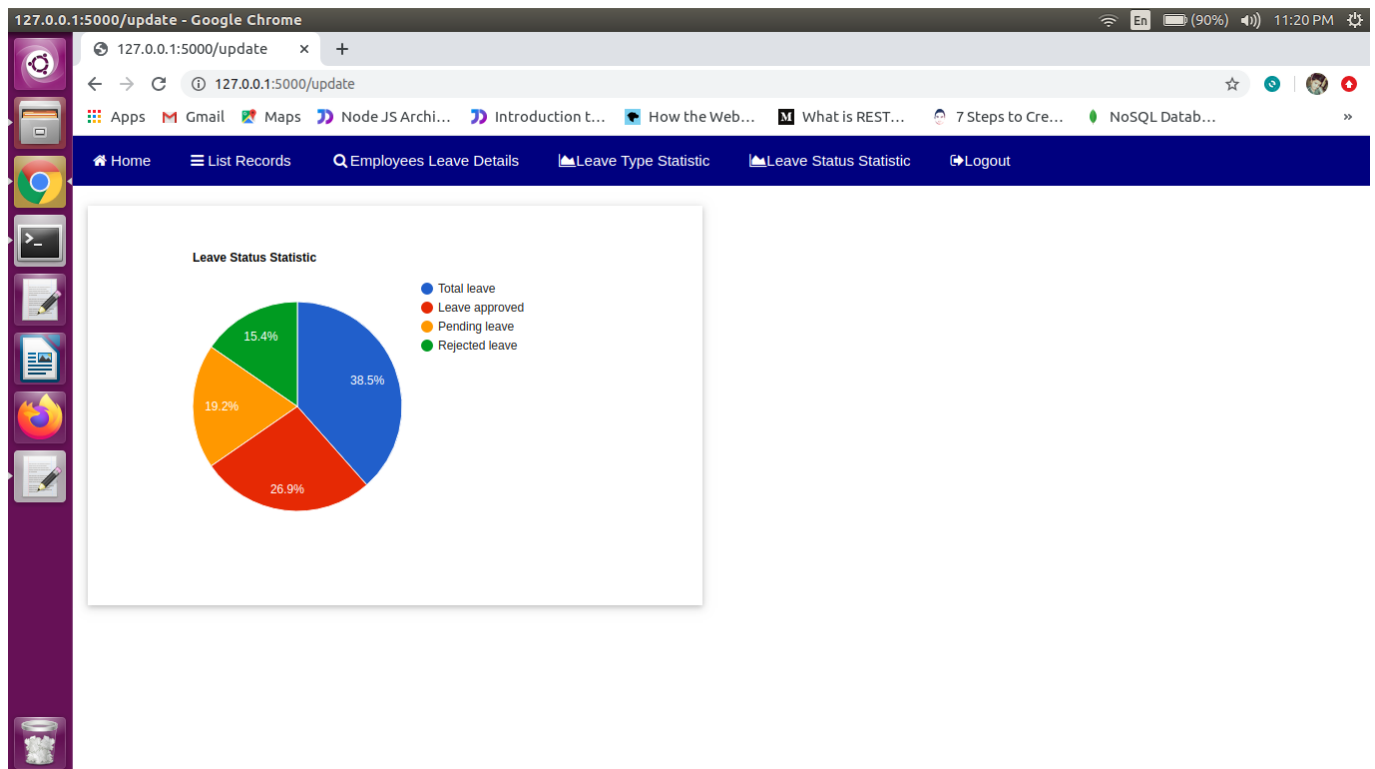
vishalkokane264@gmail.com

Leave Status	Leave creator	Summary	Start time	End time	Total Leave days
confirmed	piukawane@gmail.com	sick leave	2019-11-09T15:30:00+05:30	2019-11-09T16:30:00+05:30	1
confirmed	piukawane@gmail.com	Work from home	2019-11-15T00:30:00+05:30	2019-11-16T01:30:00+05:30	2
confirmed	piukawane@gmail.com	work from home	2020-06-05T10:00:00+05:30	2020-06-05T19:00:00+05:30	1

6. Leave type statistic :

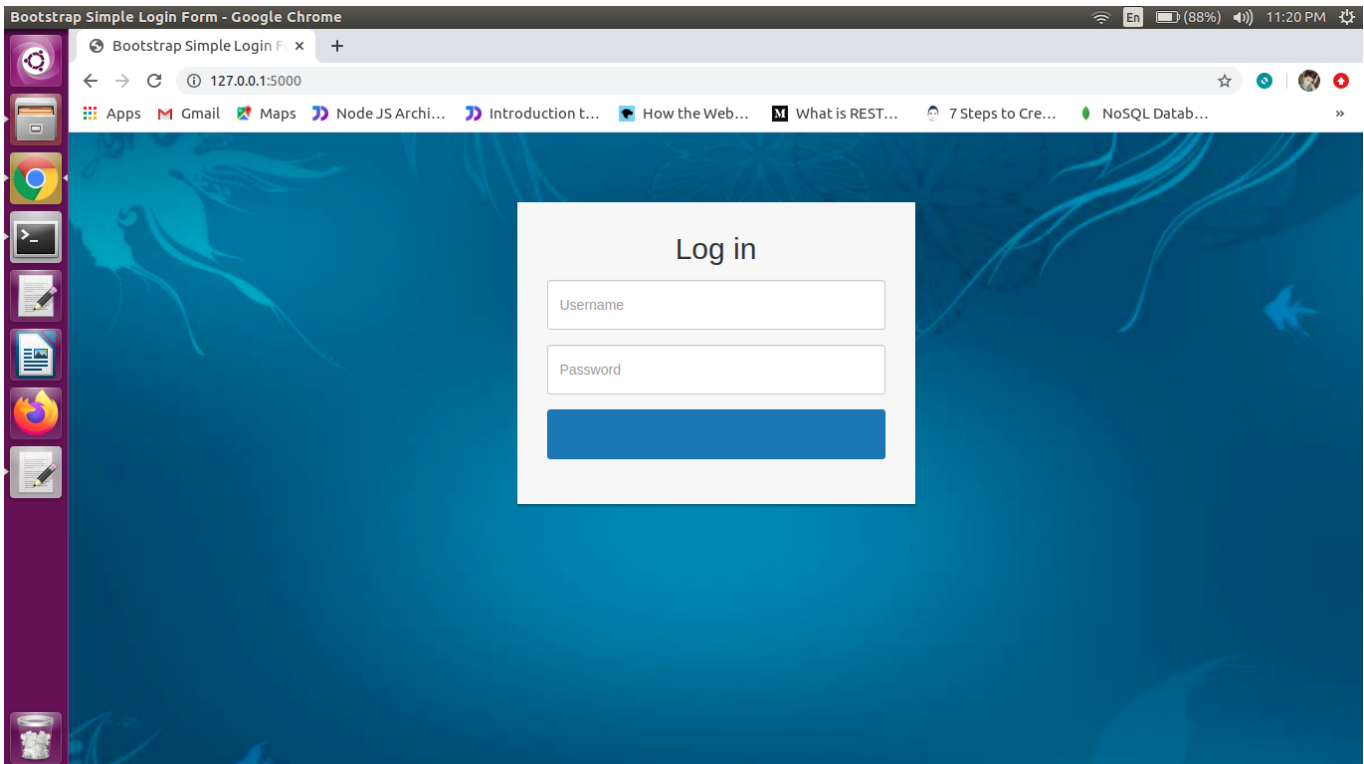


7. Leave status Statistic :



8. Logout page :

After click on logout button site is logout and come back to login screen.



9. Backend Api :

```
piu@work: ~/se2/workspace/backend
piu@work: ~/se2/workspace/backend
piu@work: ~/se2/workspace/backend

"Flask-SQLAlchemy integration requires "
/home/piu/se2/venv_flask/lib/python3.6/site-packages/flask_sqlalchemy/__init__.py:834: FSADeprecationWarning: SQLAlchemy_TRACK_MODIFICATIONS ad
ds significant overhead and will be disabled by default in the future. Set it to True or False to suppress this warning.
'SQLALCHEMY_TRACK_MODIFICATIONS adds significant overhead and '
* Serving Flask app "backend" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Restarting with stat
/home/piu/se2/venv_flask/lib/python3.6/site-packages/flask_marshmallow/__init__.py:27: UserWarning: Flask-SQLAlchemy integration requires marsh
mallow-sqlalchemy to be installed.
"Flask-SQLAlchemy integration requires "
/home/piu/se2/venv_flask/lib/python3.6/site-packages/flask_sqlalchemy/__init__.py:834: FSADeprecationWarning: SQLAlchemy_TRACK_MODIFICATIONS ad
ds significant overhead and will be disabled by default in the future. Set it to True or False to suppress this warning.
'SQLALCHEMY_TRACK_MODIFICATIONS adds significant overhead and '
* Debugger is active!
* Debugger PIN: 891-117-918
127.0.0.1 - - [09/Jun/2020 23:24:47] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:24:56] "POST / HTTP/1.1" 302 -
127.0.0.1 - - [09/Jun/2020 23:24:56] "GET /home HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:12] "GET /view HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:16] "GET /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:19] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:19] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:20] "GET /search/1 HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:24] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:25] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:26] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:26] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:27] "GET /search/5 HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:30] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:30] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:32] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:33] "POST /search HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:34] "GET /search/6 HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:41] "GET /statistic HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:44] "GET /update HTTP/1.1" 200 -
127.0.0.1 - - [09/Jun/2020 23:25:48] "GET /logout HTTP/1.1" 302 -
127.0.0.1 - - [09/Jun/2020 23:25:48] "GET / HTTP/1.1" 200 -
```


10. Database connection :

```
piu@work: ~/se2/workspace/backend
(venv_flask) piu@work:~/se2/workspace/backend$ sqlite3 leave.db
SQLite version 3.11.0 2016-02-15 17:29:24
Enter ".help" for usage hints.
sqlite>
sqlite> .tables
employee          employee_leaves   information
sqlite>
sqlite> select * from employee;
1|piukawane@gmail.com
2|priyakawane96@gmail.com
3|gaurthardade@gmail.com
4|pawaryashashri237@gmail.com
5|sidsalve1925@gmail.com
6|vishalkokane264@gmail.com
sqlite>
sqlite>
sqlite>
sqlite> select * from employee_leaves;
1|undefined|confirmed|priyakawane96@gmail.com|2019-11-08T11:30:00+05:30|2019-11-08T12:30:00+05:30|leave|1|2
2|undefined|confirmed|gaurthardade@gmail.com|2019-11-09T09:30:00+05:30|2019-11-09T10:30:00+05:30|leave|1|3
3|sick|confirmed|piukawane@gmail.com|2019-11-09T15:30:00+05:30|2019-11-09T16:30:00+05:30|sick leave|1|1
4|undefined|confirmed|piukawane@gmail.com|2019-11-15T00:30:00+05:30|2019-11-16T01:30:00+05:30|work from home|2|1
5|undefined|confirmed|pawaryashashri237@gmail.com|2019-11-15T10:00:00+05:30|2019-11-15T19:30:00+05:30|leave|1|4
6|undefined|confirmed|gaurthardade@gmail.com|2019-11-15T18:00:00+05:30|2019-11-15T19:00:00+05:30|work from home leave|1|3
7|paid|confirmed|priyakawane96@gmail.com|2019-11-15T22:30:00+05:30|2019-11-17T23:30:00+05:30|paid leave|3|2
8|undefined|confirmed|priyakawane96@gmail.com|2019-11-16T01:30:00+05:30|2019-11-17T02:30:00+05:30|work from home|2|2
9|sick|confirmed|priyakawane96@gmail.com|2019-11-16T19:00:00+05:30|2019-11-17T20:30:00+05:30|sick leave|2|2
10|undefined|confirmed|piukawane@gmail.com|2020-06-05T10:00:00+05:30|2020-06-05T19:00:00+05:30|work from home|1|1
11|undefined|confirmed|sidsalve1925@gmail.com|2020-06-09T18:30:00+05:30|2020-06-11T19:30:00+05:30|work from home|3|5
12|paid|confirmed|vishalkokane264@gmail.com|2020-06-11T09:00:00+05:30|2020-06-23T19:00:00+05:30|paid leave|13|6
13|paid|confirmed|vishalkokane264@gmail.com|2020-06-26T14:00:00+05:30|2020-06-26T20:00:00+05:30|paid leave|1|6
14|undefined|confirmed|vishalkokane264@gmail.com|2020-06-29T09:00:00+05:30|2020-06-29T19:00:00+05:30|work from home|1|6
sqlite>
```