Hospital Database System 🏥

A Flask web application for a hospital database system.

CS 432: Databases assignment, IIT Gandhinagar.

Files 📂

- contributions.txt
- hospitalDB.sql
- README.pdf

Requirements ⚡

1. MySQL
2. Python 3
3. MySQLdb
4. Flask
5. Flask-MySQLdb

Instructions to run the web app ⏩

Install the following packages

```
pip install mysqlclient/ apt-get install python3-mysqldb
```

```
pip install Flask
```

```
pip install Flask-MySQLdb
```

Import hospitalDB.sql (dump file) to MySQL as a database named hospitalDB

```
mysql -u tempuser -p hospitalDB < hospitalDB.sql
```

Create a MySQL user as follows

```
CREATE USER 'tempuser'@'localhost' IDENTIFIED BY '123+Temppass';
```

Grant permission to the account

```
GRANT ALL PRIVILEGES ON hospitalDB.* TO 'tempuser'@'localhost';
```

Run the web app

```
python3 web_app.py
```

Examples for each command ⭐

Home Page

Pick Table

Describe Table

Pick a table

Pick a table ▾

PICK   DESCRIBE

employee

	FIELD	TYPE	NULL	KEY	DEFAULT	EXTRA
1	emp_id	int	NO	PRI	None	
2	first_name	varchar(32)	NO		None	
3	middle_name	varchar(32)	YES		None	
4	last_name	varchar(32)	YES		None	
5	dob	date	NO		None	
6	gender	varchar(32)	NO		None	

View Table

← BACK   + INSERT

nurse

		EMP_ID	POSITION
🗑 ✎		215	Registered nurse
🗑 ✎		216	Registered nurse
🗑 ✎		217	Medical-surgical nurse
🗑 ✎		218	Medical-surgical nurse
🗑 ✎		219	ICU nurse

Insert Entry

← BACK   + INSERT

office

	OFFICE_NO	FLOOR
🗑 ✏	101	1
🗑 ✏	102	1
🗑 ✏	103	1
🗑 ✏	104	1
🗑 ✏	201	2

Insertion

207	2

INSERT

Insert Successful

← BACK

Before Insertion

	OFFICE_NO	FLOOR
1	101	1
2	102	1
3	103	1
4	104	1
5	201	2
6	202	2
7	203	2
8	204	2
9	205	2
10	206	2

After Insertion

	OFFICE_NO	FLOOR
1	101	1
2	102	1
3	103	1
4	104	1
5	201	2
6	202	2
7	203	2
8	204	2
9	205	2
10	206	2
11	207	2

Pick Entry for updation

← BACK   + INSERT

nurse

	EMP_ID	POSITION
🗑 ✏	215	Updated Nurse
Update		
🗑 ✏	216	Registered nurse
🗑 ✏	217	Medical-surgical nurse
🗑 ✏	218	Medical-surgical nurse
🗑 ✏	219	ICU nurse

Update Entry

nurse

	EMP_ID	POSITION
🗑 ✏	215	Registered nurse
🗑 ✏	216	Registered nurse
🗑 ✏	217	Medical-surgical nurse
🗑 ✏	218	Medical-surgical nurse
🗑 ✏	219	ICU nurse

Updation

emp_id
215

position
Registered nurse

UPDATE

Update Successful

← BACK

Before Updation

	EMP_ID	POSITION
1	215	Registered nurse
2	216	Registered nurse
3	217	Medical-surgical nurse
4	218	Medical-surgical nurse
5	219	ICU nurse
6	220	ICU nurse
7	221	Emergency room nurse

After Updation

	EMP_ID	POSITION
1	215	Updated Nurse
2	216	Registered nurse
3	217	Medical-surgical nurse
4	218	Medical-surgical nurse
5	219	ICU nurse
6	220	ICU nurse
7	221	Emergency room nurse

Delete Entry

← BACK   + INSERT

office

🗑 ✏	202	2
🗑 ✏	203	2
🗑 ✏	204	2
🗑 ✏	205	2
🗑 ✏	206	2
Delete		
🗑 ✏	207	2

Delete Successful

Before Deletion

	OFFICE_NO	FLOOR
1	101	1
2	102	1
3	103	1
4	104	1
5	201	2
6	202	2
7	203	2
8	204	2
9	205	2
10	206	2
11	207	2

After Deletion

	OFFICE_NO	FLOOR
1	101	1
2	102	1
3	103	1
4	104	1
5	201	2
6	202	2
7	203	2
8	204	2
9	205	2
10	206	2

Contributors ✏️

TEAM G1

- Amey Kulkarni (18110016)
- Chris Francis (18110041)
- Eshan Gujarathi (19110082)
- Hitarth Gandhi (19110087)

TEAM G2

- Hrushti Naik (19110088)
- Shril Mody (18110162)
- Viraj Shah (18110188)
- Vishal Soni (19110207)