Group-3 Freelancing Mediator

Final Implementation(DDL statements)

Group members:
- **ZALA SHUBHAM: 202203005**
- **DIPESHE HEET: 202203006**
- **SORATHIYA PARTH: 202203034**
- **DHARSANDIYA HEER: 202203059**
- **VALA PAAWAN: 202203065**

Table-1: session table

```
CREATE TABLE session (
    id SERIAL PRIMARY KEY,
    session_id VARCHAR(255) NOT NULL UNIQUE,
    expires TIMESTAMP NOT NULL,
    data JSONB NOT NULL
);
```

Table-2: city_country table

```
CREATE TABLE city_country (
city VARCHAR (50) primary key,
country VARCHAR (50) NOT NULL
);
```

Table-3: freelancer table

```
CREATE TABLE freelancer (
freelancer_id serial primary key,
first_name VARCHAR (50) ,
last_name VARCHAR (50) ,
```

```
date_of_birth DATE ,
avg_rating FLOAT ,
city VARCHAR (50) ,
email_id VARCHAR (50) not null ,
f_password varchar(200),
        FOREIGN KEY (city) REFERENCES city_country(city)
 ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-4: client table

```
CREATE TABLE client (
client_id serial primary key,
first_name VARCHAR (50) ,
last_name VARCHAR (50) ,
date_of_birth DATE ,
organization_name VARCHAR (200) ,
city VARCHAR (50) ,
email_id VARCHAR (50)  not null ,
c_password varchar(200),
        FOREIGN KEY (city) REFERENCES city_country(city)
         ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-5: project table

```
CREATE TABLE project (
        project_id serial PRIMARY KEY,
        project_name varchar (50) ,
        client_id int ,
        amount int not null check(amount>0),
        start_date date ,
        deadline date ,
        status varchar (50),
        project_description varchar(2000),
        foreign key (client_id) references client(client_id)
         ON DELETE CASCADE ON UPDATE CASCADE
```

```
);
```

Table-6: contract table

```
CREATE TABLE contract (
        contract_id int PRIMARY KEY not null,
        freelancer_id INT not null,
        client_id int not null,
        project_id int not null,
        c_date date,
        c_time time,
        foreign key (freelancer_id) references freelancer(freelancer_id),
        foreign key (client_id) references client(client_id),
        foreign key (project_id) references project(project_id)
         ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-7: t_transaction table

```
CREATE TABLE t_transaction (
        transaction_id int primary key,
        contract_id int not null,
        amount int not null  check ( amount>0 ) ,
        t_date date ,
        t_time time ,
        payment_method varchar(50) not null ,
        foreign key (contract_id) references contract(contract_id)
         ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-8: review table

```
CREATE TABLE review (
        review_id int primary key,
        contract_id int not null,
        rating float ,
        review varchar (200),
        foreign key (contract_id) references contract(contract_id)
         ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-9: takes table

```
CREATE TABLE takes (
        freelancer_id int,
        project_id int,
        primary key (freelancer_id , project_id),
        foreign key (freelancer_id) references freelancer(freelancer_id),
        foreign key (project_id) references project(project_id)
        ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-10: project_skills table

```
CREATE TABLE project_skills (
        project_id int ,
        skills varchar (100) ,
        primary key (project_id , skills),
        foreign key (project_id) references project(project_id)
 ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-11: freelancer_contact table

```
CREATE TABLE freelancer_contact (
        freelancer_id int ,
        contact varchar (20) ,
```

```
        primary key (freelancer_id , contact),
        foreign key (freelancer_id) references freelancer(freelancer_id)
        ON DELETE CASCADE ON UPDATE CASCADE
);
```

Table-12: client_contact table

```
CREATE TABLE client_contact (
        client_id int ,
        contact varchar (20) ,
        primary key (client_id , contact),
        foreign key (client_id) references client(client_id)
         ON DELETE CASCADE ON UPDATE CASCADE

);
```

Table-13: freelancer_skills table

```
CREATE TABLE freelancer_skills (
        freelancer_id int ,
        skills varchar (100),
        primary key (freelancer_id , skills),
        foreign key (freelancer_id) references freelancer(freelancer_id)
         ON DELETE CASCADE ON UPDATE CASCADE

);
```