

Visa Slot Booking System

Database Description:-

In the database there are eight collections: Organiser, Location, Visa_officers, Agent, Visa_application, Applicant, Booking and Payments are stored in the database. In the Organiser collection, the username and password are stored in the organiser collection.

The organiser will add the location collection. In that collection, location_name is stored in the location collection. Based on the location collection, the organiser will add the visa officer and can view the visa officer details. The Visa_officer collection contains name, email, password, phone_number, from_time, to_time, status, location_id. These are stored in the Visa_officer collection. Location_id is the reference key which is stored in the visa_officer collection.

The agent can register into the website with their details and the organiser can view the details of the agent, then verify and activate their accounts. Then only the agent can login into their accounts. After that, the agent can view the visa officer schedules. The Agent collection contains the name, email, password, phone_number and status. These are stored in the agent collection.

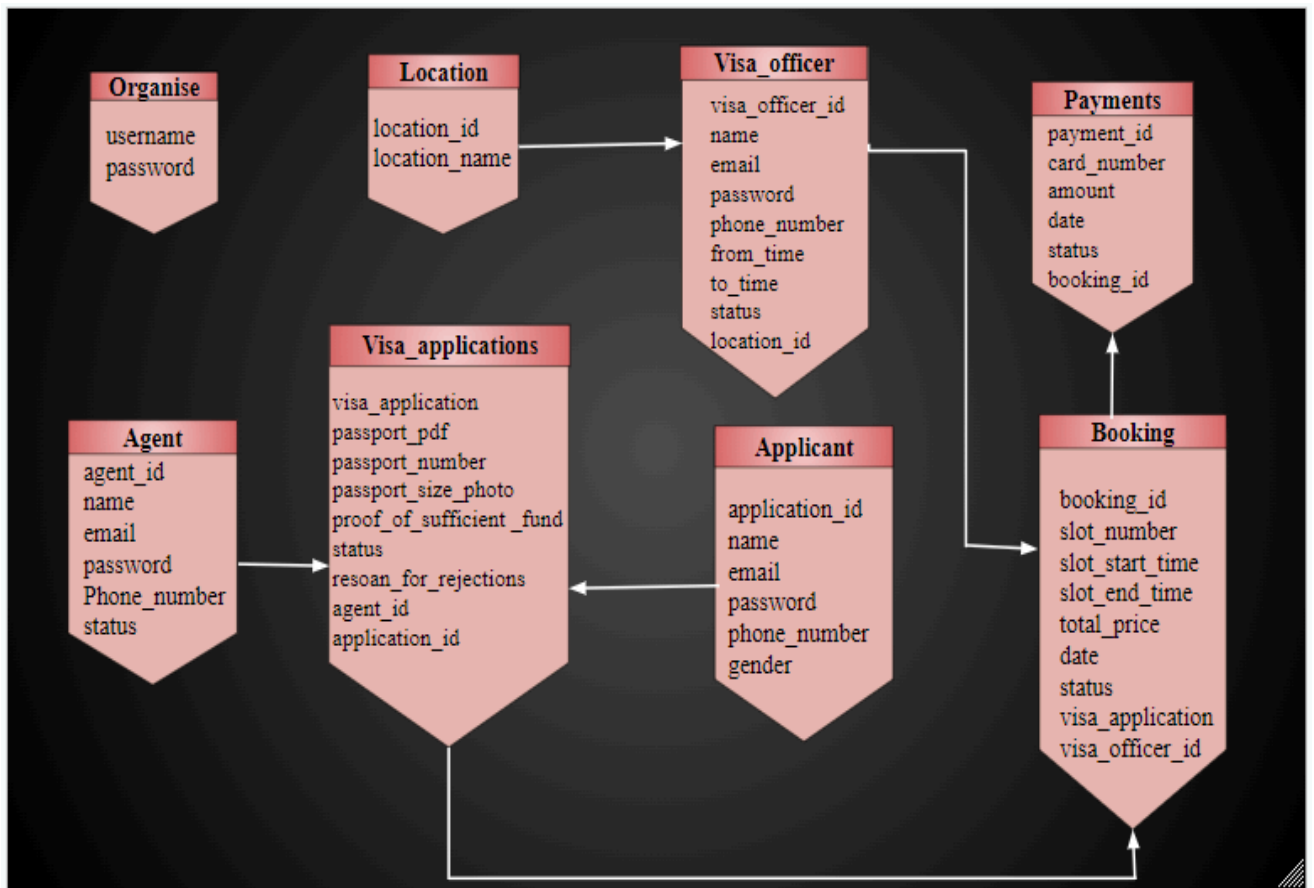
The applicant can register and login into the website. The applicant will apply for a visa by giving their personal and confidential details. The applicant collection contains name, email, password, phone number, gender and age. The applicant applies for the visa by visa application details. The

Visa_application collection contain the passport_pdf, passport_number, passport_size_photo, proof_of_sufficient_funds, reason_for_rejection, status, agent_id and applicant_id are stored in the visa_application collection. In this agent_id and applicant_id are the reference key for the visa_application collection.

The agent will view the visa application which is applied by the applicant then verify and activate their accounts. If the details are valid then the agent can accept their applications then the agent sends the visa officer schedules to the applicant or else the agent can reject the application. If the details are valid the agent will send the officer slots to an applicant then the applicant will book the slot of a visa officer. In Booking collection contains the slot_number, slot_start_time, slot_end_time, date, status, visa_application_id and visa_officer_id in these visa_application_id and visa_officer_id are the reference key these are stored in the booking collection.

After booking the slot of a visa officer the applicant will move to the payment method. In the Payment collection card_number, amount, status, date, booking_id in this booking_id is the reference key in payment collection then the visa officer will view the slot which is booked by an applicant and take the interview. Based on the applicant interview the visa officer can accept the visa or else reject the visa that will be updated in the status. If the visa is rejected by the visa officer they should say the reason for rejection that was updated in the status of the visa application.

ER Diagram



Database Collections:

Agent

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Applicant

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Booking

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Location

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Organiser

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Payment

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Visa_application

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Visa_officer

Storage size: 4.10 kB
Documents: 1
Avg. document size: 22.00 B
Indexes: 1
Total index size: 4.10 kB

Sample snippets:-

Organiser:

```
{
  "_id": {
    "$oid": "65ceff0805e8476911d5b504"
  },
  "password": "admin",
  "username": "admin"
}
```

Location:

```
{
  "_id": {
    "$oid": "65ceff5405e8476911d5b506"
  },
  "location_name": "washington"
}
```

Visa_officer:

```
{
  "_id": {
    "$oid": "65ceffe205e8476911d5b508"
  },
  "email": "danny@gamil.com",
  "from_time": "9AM",
  "location_id": {
    "$oid": "65ceff5405e8476911d5b506"
  },
  "name": "danny",
  "password": "danny@123",
  "phone_number": "+1893245",
  "status": "verifying",
  "to_time": "12pm"
}
```

Agent:

```
{
  "_id": {
    "$oid": "65cf028205e8476911d5b514"
  },
  "email": "jhon@gmail.com",
  "name": "jhon",
  "password": "jhon@123",
  "phone_number": "+12746539",
  "status": "available"
}
```

Applicant:

```
{
  "_id": {
    "$oid": "65cf03ae05e8476911d5b516"
  },
  "age": "22",
  "email": "teena@gmail.com",
  "gender": "female",
  "name": "teena ",
  "password": "teena@123",
  "phone_number": "+1875632"
}
```

Visa_application:

```
{
  "_id": {
    "$oid": "65cf053605e8476911d5b518"
  },
  "agent_id": {
    "$oid": "65cf028205e8476911d5b514"
  },
  "application_id": {
    "$oid": "65cf028205e8476911d5b514"
  },
  "passport_number": "J8369854",
  "passport_pdf": "passport.pdf",
  "passport_size_photo": "image.jpg",
  "proof_of_sufficient_funds": "bank statement",
  "reason_for_rejection": "details are invalid",
  "status": "verified"
}
```

Booking:

```
{
  "_id": {
    "$oid": "65cf07d705e8476911d5b529"
  },
  "date": "Mon Feb 19 2024 00:00:00 GMT+0530 (India Standard Time)",
  "slot_end_time": "12pm",
  "slot_number": 37,
  "slot_start_time": "9am",
  "total_price": 29000,
  "visa_application_id": {
    "$oid": "65cf053605e8476911d5b518"
  },
  "visa_officer_id": {
    "$oid": "65ceffe205e8476911d5b508"
  }
}
```

Payment:

```
{
  "_id": {
    "$oid": "65cf0af505e8476911d5b531"
  },
  "amount": 29000,
  "booking_id": {
    "$oid": "65cf07d705e8476911d5b529"
  },
  "card_number": "3141 5926 5358 9793",
  "date": "Fri Feb 16 2024 00:00:00 GMT+0530 (India Standard Time)",
  "status": "payment is successful"
}
```
