

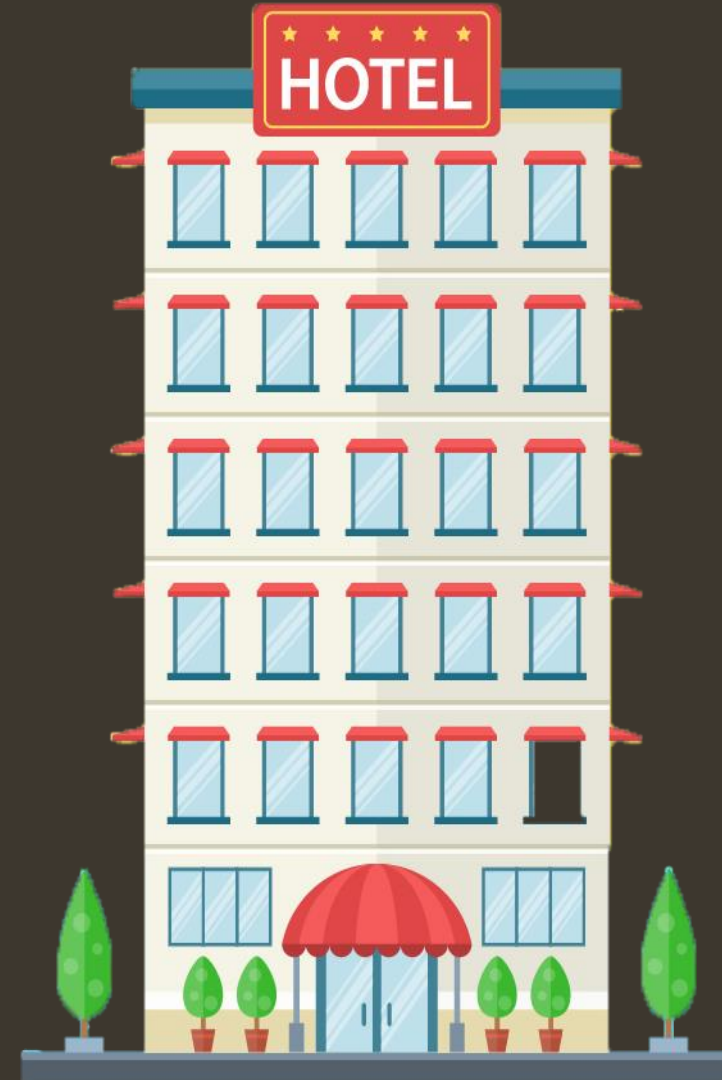
KMITL Residence

Group#8



Agenda

1. Features
2. UI
3. Services
 - APIs
 - Endpoint name
 - Request format
 - Response format
4. Database



Room Finding

Relax a sensational room in the best hotel of ladkrabang district.



1. Features

Hotel Booking

Easily book hotel rooms at the best real-time rates.



News

A source and distribution point for the latest news in KMITL Residence.



1. Features

Online Payment

Secure online payment processing services through credit card and internet banking.



Guest Review

More feedback with review express of KMITL Residence.

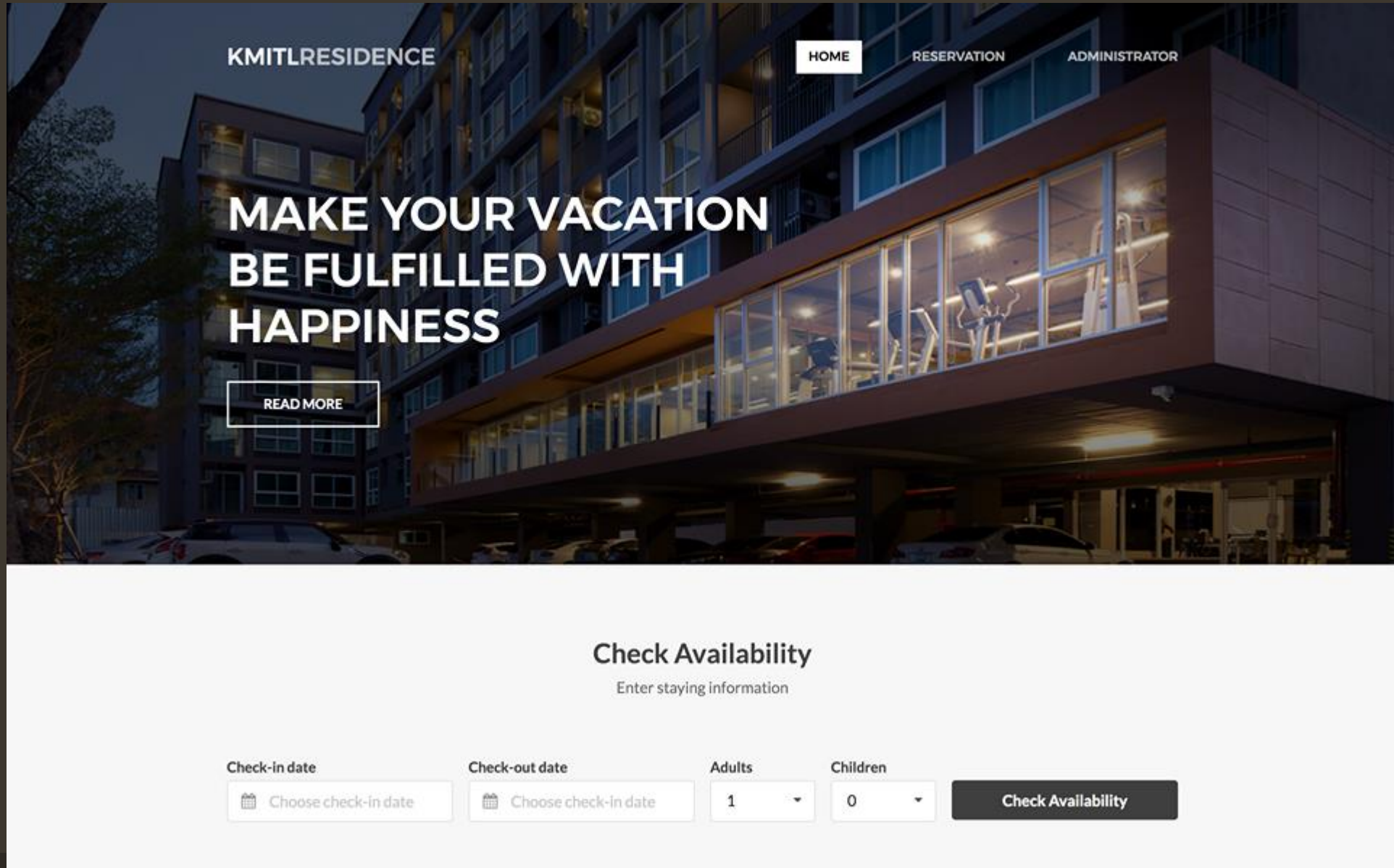


Summary

Analyze summary transactional data by our staffs.



2. UI: Reservation (Home)

The image shows the home page of the KMITLRESIDENCE website. The top section features a dark background with a photograph of a modern apartment building at night. The building has many lit windows, and one of the upper floors shows a gym with exercise equipment. The text 'KMITLRESIDENCE' is in the top left. Navigation links 'HOME', 'RESERVATION', and 'ADMINISTRATOR' are in the top right, with 'HOME' highlighted. A large white text overlay reads 'MAKE YOUR VACATION BE FULFILLED WITH HAPPINESS'. Below this is a 'READ MORE' button. The bottom section is white and contains a 'Check Availability' form. The form has a title 'Check Availability' and a subtitle 'Enter staying information'. It includes fields for 'Check-in date', 'Check-out date', 'Adults' (set to 1), and 'Children' (set to 0). Each date field has a calendar icon and the text 'Choose check-in date'. A dark 'Check Availability' button is on the right.

KMITLRESIDENCE

HOME RESERVATION ADMINISTRATOR

MAKE YOUR VACATION
BE FULFILLED WITH
HAPPINESS

READ MORE

Check Availability

Enter staying information

Check-in date

Check-out date

Adults

Children

Choose check-in date

Choose check-in date

1

0

Check Availability

2. UI: Reservation (check availability)

KMITLRSIDENCE

HOME

RESERVATION

ADMINISTRATOR

1 Check Availability

2 Choose Room Type

3 Personal Information

4 Payment Information

5 Validation

Check Availability

Enter staying information

Check-in date

Check-out date

Adults

Children

Check Availability

Choose check-in date

Choose check-in date

1

0

<

April 2017

>

S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

2. UI: Reservation (choose room type)

✓ Check Availability

2 Choose Room Type


3 Personal Information

4 Payment Information

5 Validation

Choose Room Type

Choose the type of room




Deluxe Room

Extra spacious king size bed, feather pillows, full set of toiletries in marble bathroom and separate shower, free local newspapers, reading chairs, work area, LED TV, hair dryer. It is suited for 1 family of up to 4 adults and 4 children + 1 extra bed.

Price : 2,800.00 THB Night : 3

+ Book for 8,400.00 THB




Premiere Room

A unique experience combining relaxation and meditation. This Premier room will make you feel like a king. Maximum occupancy is 2 adults and 1 child without extra bed.

Price : 4,500.00 THB Night : 3

+ Book for 13,500.00 THB



Suite Room

An unforgettable experience! Large and greatly designed suite room. There is a separate lounge and bathroom. Equipped with modern amenities such as sofa (2 sofas). Maximum occupancy is 2 adults, no extra bed.

Price : 5,600.00 THB Night : 3

+ Book for 16,800.00 THB

2. UI: Reservation (personal information)

✓ Check Availability

✓ Choose Room Type

3 Personal Information

4 Payment Information

5 Validation

Basic Information

Enter your personal information

Name

Mr. ▼

sirirach

junta

Nationality

Thai ▼

Country

Thailand ▼

E-mail

madooding@yahoo.co.th

Phone Number

084707312

Next

2. UI: Reservation (payment information)

✓ Check Availability

✓ Choose Room Type

✓ Personal Information

4 Payment Information

5 Validation

Payment Information

Enter your payment information

Card type

Card Number

CVC

Visa

4929 4047 8672 0239

123

Card Holder's Name

Expiration

Sirirach Junta

October 2020

Next

2. UI: Reservation (validation)

Validation

Please make sure that your reservation information is valid

Personal Information

Name	Mr. Sirirach Junta
E-mail	madooding@yahoo.co.th
Phone Number	084707312
Nation	thai
Country	TH

Payment Information

Credit Card ID	4929 4047 8672 0239
Card Type	Visa
CVC	123
Card Holder	Sirirach Junta
Card Expiration	10/2020

Staying Information

2. UI: Reservation (validation)

Country	TH
---------	----

Payment Information

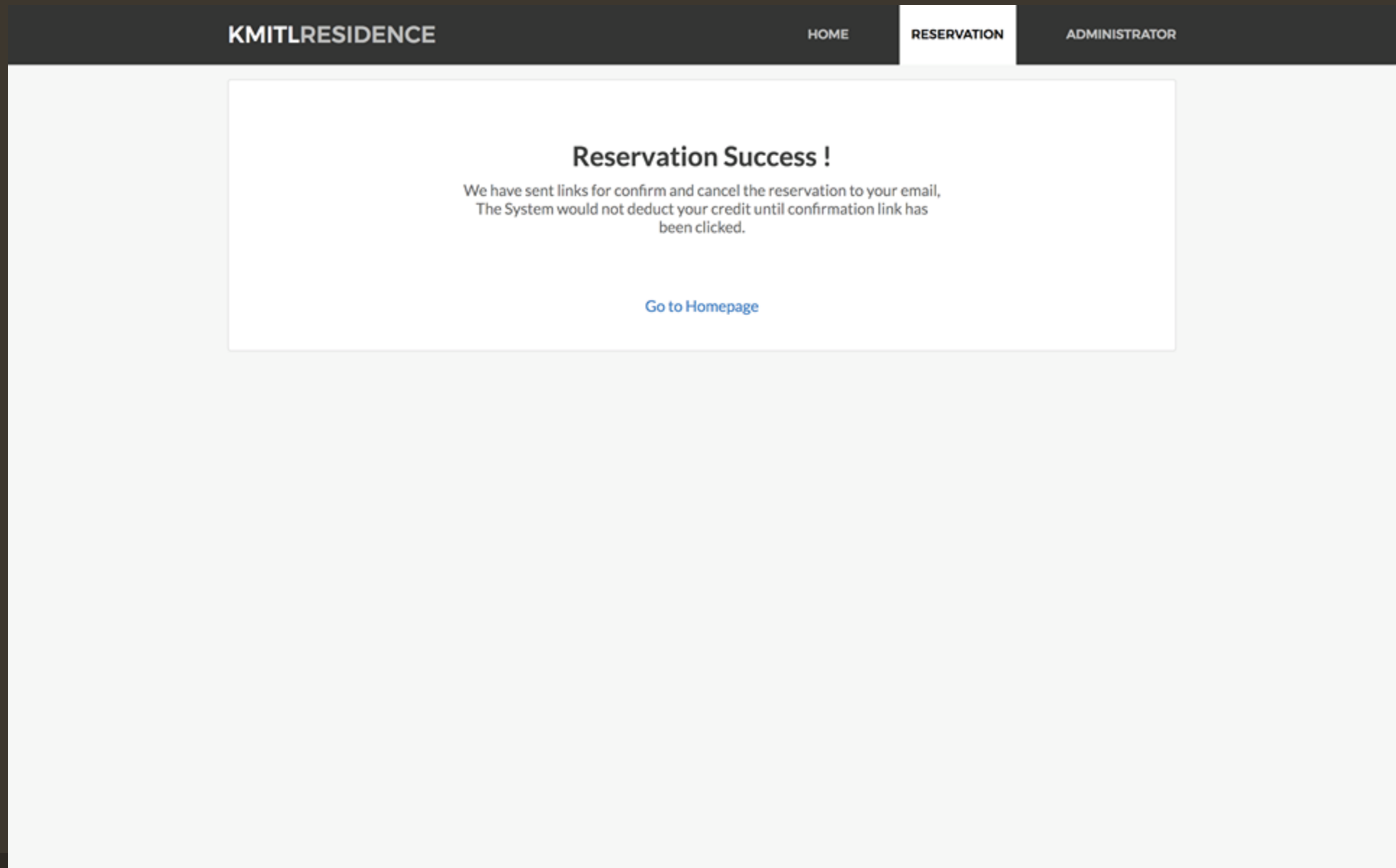
Credit Card ID	4929 4047 8672 0239
Card Type	Visa
CVC	123
Card Holder	Sirirach Junta
Card Expiration	10/2020

Staying Information

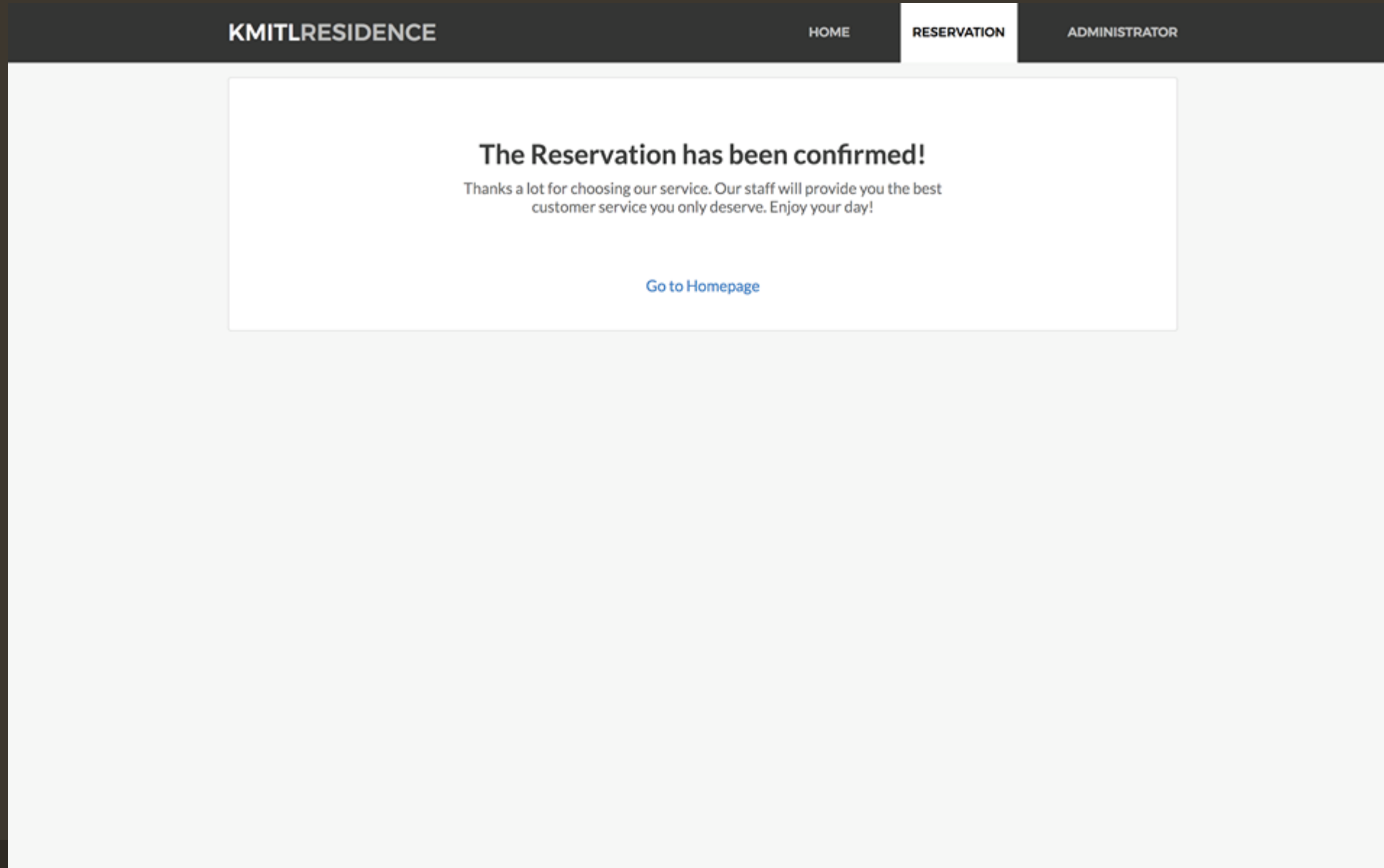
Room Type	Premiere Room
Price	4,500.00 THB / Night
Occupancy	1 adults, 0 children
Check-In Date	05-04-2017
Check-Out Date	08-04-2017
Nights	3
Total Price	13,500.00 THB

Book room!

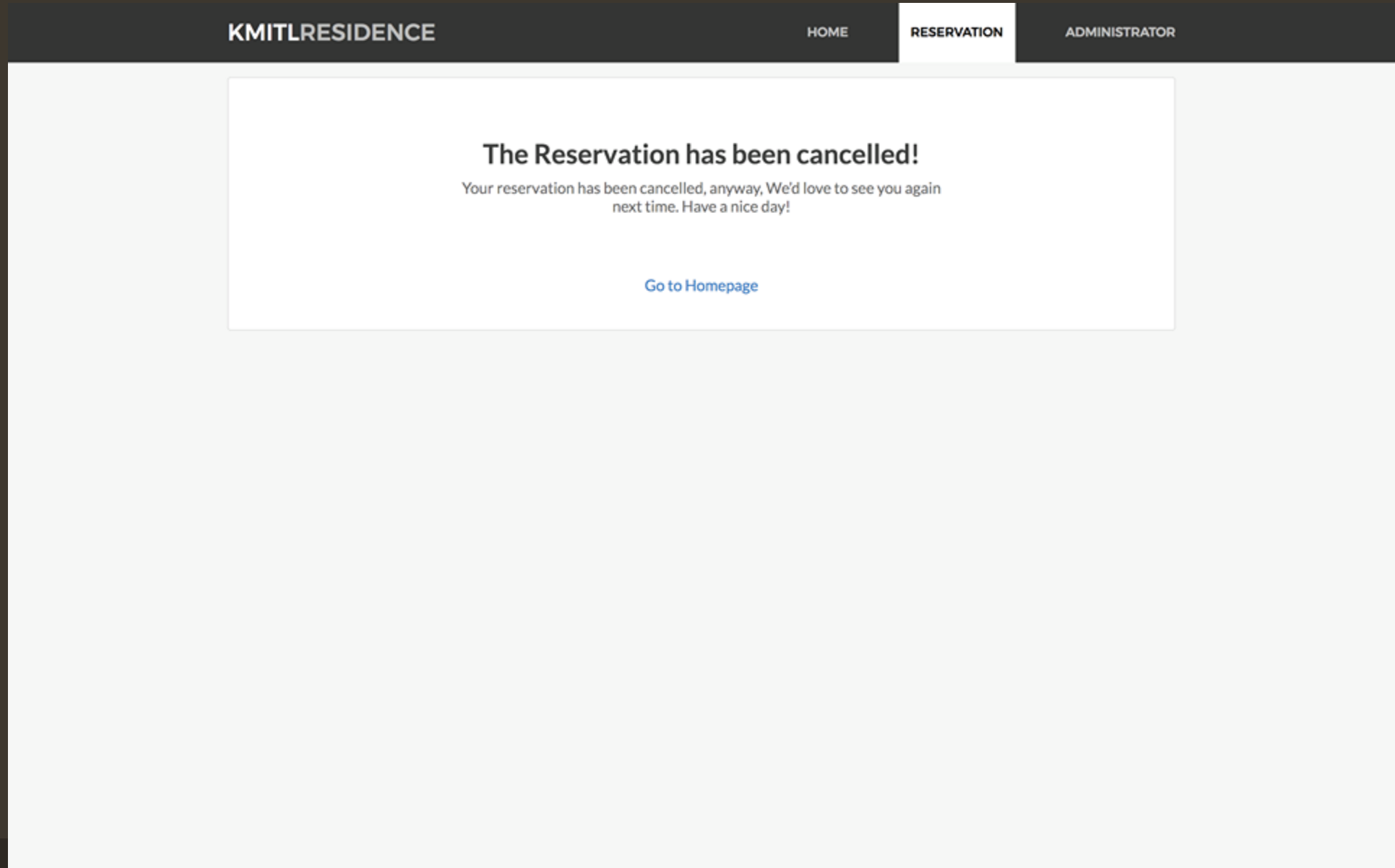
2. UI: Reservation (reservation success)



2. UI: Reservation (reservation confirmed)



2. UI: Reservation (reservation cancelled)



3. Services

1. Room Service
2. Reservation Service
3. Email Service
4. User Service



3. Services (Room Service)

```
GET /rooms/type/{room_type_id}
```

Response

```
{
  "typeId": 1,
  "typeTotalRooms": 60,
  "typeAdultLimit": 4,
  "typeChildrenLimit": 4,
  "typeDetailsTh": "ข้อมูลประเภทห้องภาษาไทย",
  "typeDetailsEn": "room type details in english",
  "typePrice": 2800,
  "typeNameTh": "ห้องหรู",
  "typeNameEn": "Deluxe"
}
```


3. Services (Room Service)

/rooms/types?adult=1&children=0

```
[
  {
    "typeId": 1,
    "typeTotalRooms": 60,
    "typeAdultLimit": 4,
    "typeChildrenLimit": 4,
    "typeDetailsTh": "ข้อมูลประเภทห้องพักภาษาไทย",
    "typeDetailsEn": "room type details in english",
    "typePrice": 2800,
    "typeNameTh": "",
    "typeNameEn": "Deluxe"
  },
  {
    "typeId": 2,
    "typeTotalRooms": 5,
    "typeAdultLimit": 2,
    "typeChildrenLimit": 1,
    "typeDetailsTh": "ข้อมูลประเภทห้องพักภาษาไทย",
    "typeDetailsEn": "room type details in english",
    "typePrice": 4500,
    "typeNameTh": "",
    "typeNameEn": "Premiere"
  },
  {
    "typeId": 3,
    "typeTotalRooms": 5,
    "typeAdultLimit": 2,
    "typeChildrenLimit": 0,
    "typeDetailsTh": "ข้อมูลประเภทห้องพักภาษาไทย",
    "typeDetailsEn": "room type details in english",
    "typePrice": 5600,
    "typeNameTh": "",
    "typeNameEn": "Suite"
  }
]
```

3. Services (Room Service)

GET /rooms/{room_id}

Response

```
{  
  "roomId": 101,  
  "roomDetails": "",  
  "roomTypeId": 1,  
  "roomAvailability": 1  
}
```

3. Services (Room Service)

GET /rooms/available/{room_type_id}

Response

```
[
  {
    "roomId": 131,
    "roomDetails": "",
    "roomTypeId": 2,
    "roomAvailability": 1
  },
  {
    "roomId": 132,
    "roomDetails": "",
    "roomTypeId": 2,
    "roomAvailability": 1
  },
  {
    "roomId": 133,
    "roomDetails": "",
    "roomTypeId": 2,
    "roomAvailability": 1
  },
  {
    "roomId": 134,
    "roomDetails": "",
    "roomTypeId": 2,
    "roomAvailability": 1
  },
  {
    "roomId": 135,
    "roomDetails": "",
    "roomTypeId": 2,
    "roomAvailability": 1
  }
]
```

3. Services (Room Service)

```
/rooms/{room_id}/checkin/{reservation_id}
```

HEADER

authenticate-token: some generate token

Response

```
{  
  "message": "Success"  
}
```

```
/rooms/{room_id}/checkout/{reservation_id}
```

HEADER

authenticate-token: some generate token

Response

```
{  
  "message": "Success"  
}
```


3. Services (Reservation Service)

```
GET /reservation/availableSearch?checkin=2017-01-01&checkout=2017-01-02&adults=1&children=0
```

Response

```
{
  "roomType": 1,
  "total": 1
}
```

```
GET /reservation/{reservationId}
```

Response

```
{
  "id": 1,
  "checkIn": '2017-01-01',
  "checkOut": '2017-01-02',
  "total": 2,
  "roomType": 1,
  "status": "waiting|completed|cancel",
  "customer": {
    "titleName": "Mr.",
    "fullName": "Abc Def",
    "email": "example@example.com",
    "tel": "0123456789",
    "country": "Thailand",
    "nation": "Thai"
  }
}
```

3. Services (Reservation Service)

POST /reservation/add

Request JSON

```
{
  "checkIn": "2017-01-01",
  "checkOut": "2017-01-12",
  "adults": 1,
  "children": 1,
  "roomType": 2,
  "customer": {
    "titleName": "Mr.",
    "fullName": "Adisorn Sripakpaisit",
    "email": "example@example.com",
    "tel": "0890938473",
    "country": "Thailand",
    "nation": "Thai"
  },
  "creditCard": {
    "number": "1234567890",
    "holderName": "Adisorn Sripakpaisit",
    "type": "Visa",
    "expiredDate": "2018-01-01",
    "cvc": "1234"
  }
}
```

Response

```
{
  "id": 1,
  "message": "Success"
}
```

3. Services (Reservation Service)

```
PUT /reservation/{reservationId}/confirm?id=123wwdw22dsfsea
```

```
Response
{
  "id": 1,
  "message": "Success"
}
```

```
PUT /reservation/{reservationId}/cancel?id=123wwdw22dsfsea
```

```
Response
{
  "id": 1,
  "message": "Success"
}
```

```
PUT /reservation/{reservationId}/partialCheckout
```

```
Response
{
  "id": 1,
  "message": "Success"
}
```

3. Services (Email Service)

POST /sendmail

Request JSON

```
{
  "emailType": 1,
  "destination": "example@example.com",
  "titleName": "Mr.",
  "fullName": "Software Mebug",
  "content": {
    "reservationId": 1,
    "roomType": 1,
    "checkinTime": "2017-03-30",
    "checkoutTime": "2017-03-31",
    "totalNight": 1,
    "totalPrice": 2000,
    "confirmationLink": "confirm link",
    "cancelLink": "cancel link";
  }
}
```


3. Services (User Service)

POST /users/create

Request JSON

```
{
  "username": "staff001",
  "password": "passwordstaff001",
  "role": 1,
  "titleNameEn": "Mr.",
  "fullNameEn": "Adisorn Sripakpaisit",
  "titleNameTh": "นาย",
  "fullNameTh": "อติสร ศรีภักไพสิฐ",
  "email": "example@example.com"
}
```

Response

```
{
  "username": "staff001",
  "message": "Successfully created"
}
```

3. Services (User Service)

GET /user/{username}

HEADER

authenticate-token: token

Response

```
{  
  "username": "staff001",  
  "role": "Staff",  
  "fullNameTh": "นายอดิสร ศรีภักไพสิฐ",  
  "fullNameEn": "Mr.Adisorn Sripakpaisit",  
  "email": "example@example.com"  
}
```

3. Services (User Service)

```
DELETE /user/{username}/delete
```

Response

```
{  
  "username": "staff001",  
  "message": "Successfully Deleted"  
}
```

3. Services (User Service)

POST /users/authentication

Request

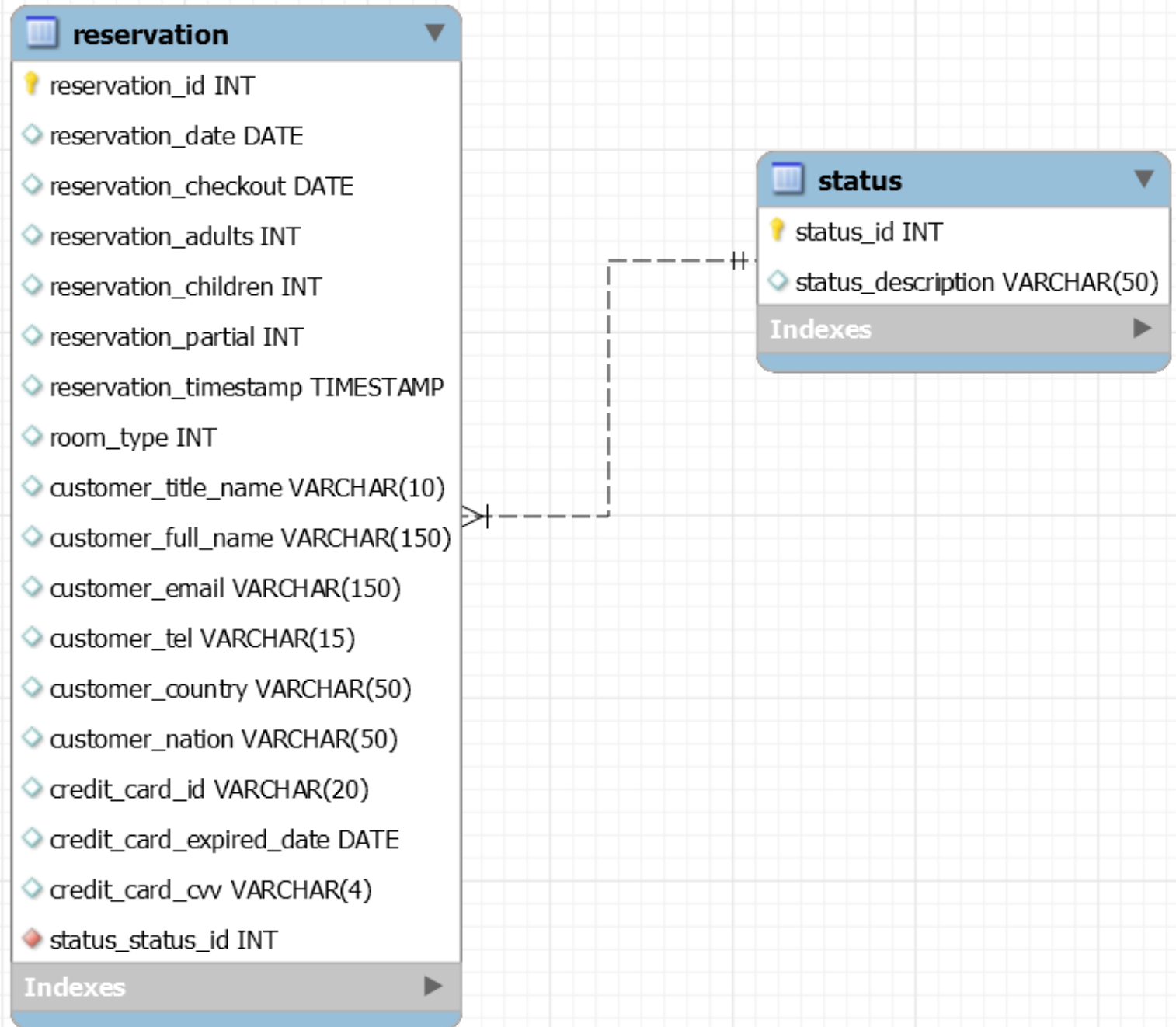
```
{  
  "username": "staff001",  
  "password": "123456"  
}
```

Response

token-generate

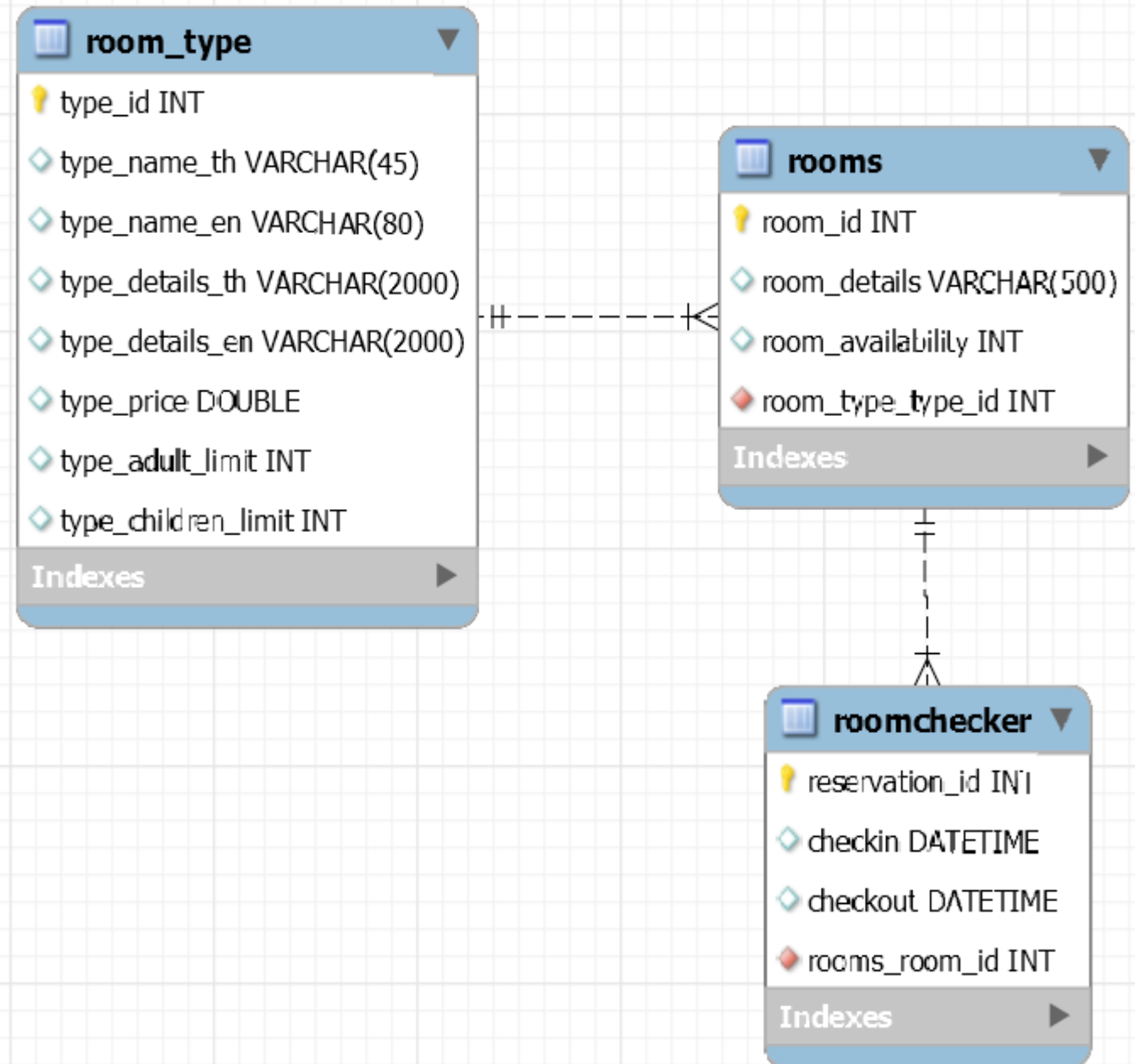
4. Database

Reservation Service



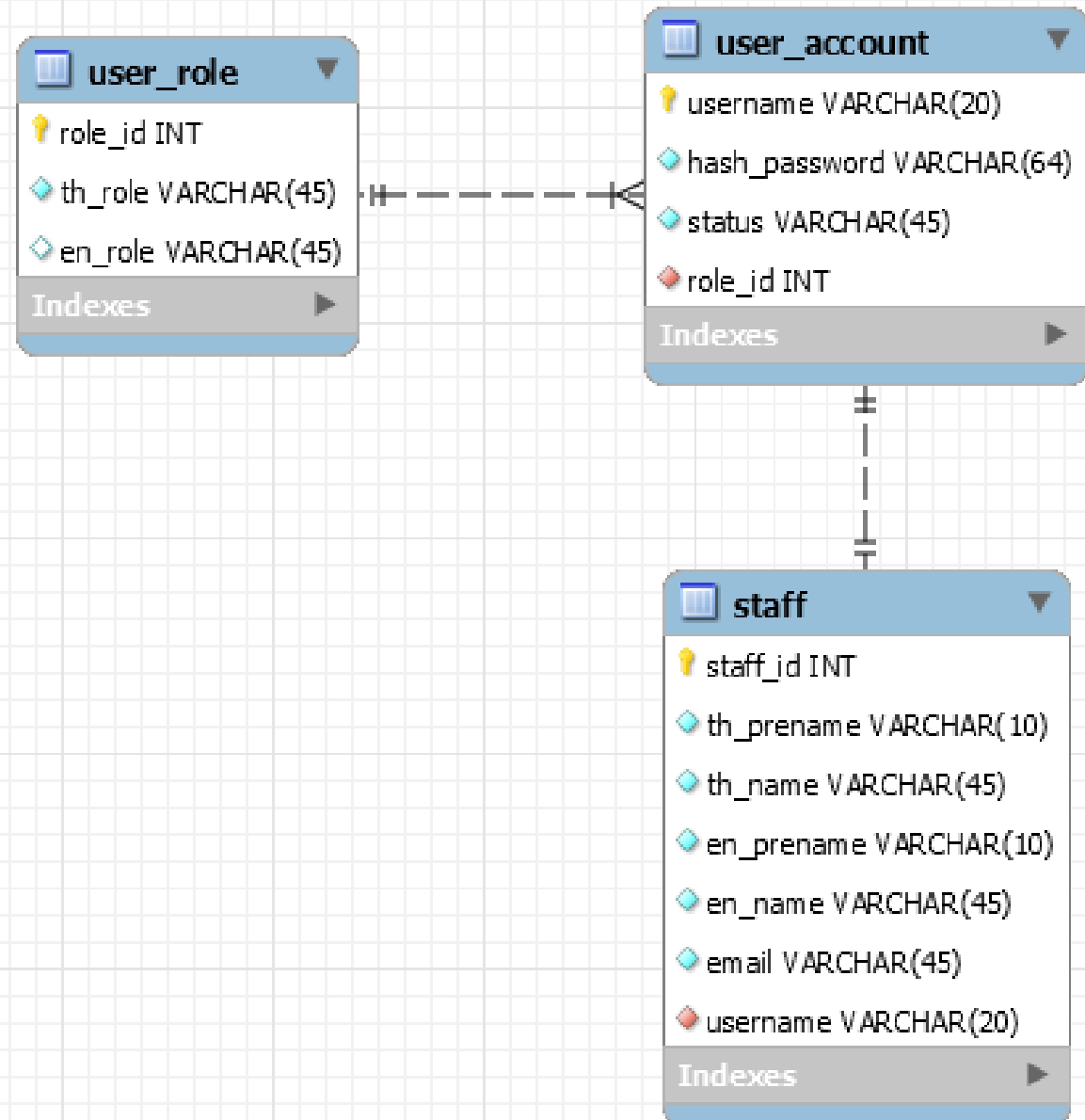
4. Database

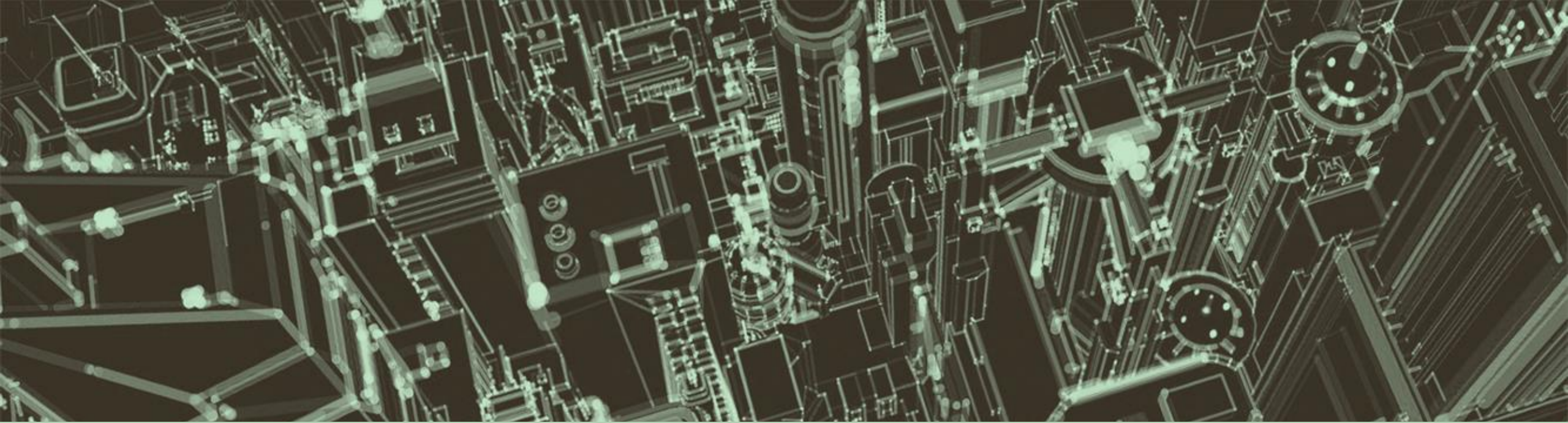
Room Service



4. Database

User Service





Q&A

