

Online Property Management Website

Team-19

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Name of the Website

ASA Apartments

Database Design

- A relational database was used on the server side to build the website.

Table 1:

Users - Table contains the user details and hosts.

```
create table users
(
    id int auto_increment primary key,
    firstName varchar(50) not null,
    lastName varchar(50) null,
    email varchar(255) not null,
    phoneNumber varchar(10) not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    roleId int null,
    constraint email unique (email),
    constraint users_ibfk_1 foreign key (roleId) references roles (id)
```

```
    on update cascade on delete set null
);

```

Table 2:

Logins - This table contains the user and hosts login credentials

```
create table logins
(
    id int auto_increment primary key,
    password varchar(200) not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    userId int null,
    constraint logins_ibfk_1 foreign key (userId) references users (id)
    on update cascade on delete set null
);

```

Table 3:

Addresses - This table stores the addresses of the user.

```
create table addresses
(
    id int auto_increment primary key,
    street varchar(255) not null,
    apartmentNumber varchar(10) not null,
    city varchar(50) not null,
    state varchar(50) not null,
    zipcode varchar(5) not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    userId int null,
    constraint addresses_ibfk_1 foreign key (userId) references users (id)
    on update cascade on delete set null
);

```

Table 4:

Roles - This table contains information about user and host roles.

```
create table roles
(
    id int auto_increment primary key,
    roleName varchar(10) not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    constraint roleName unique (roleName)
);
```

Table 5:

PropertyCategories - This table mentions if a property is Home or Apartment

```
create table propertyCategories
(
    id int auto_increment primary key,
    name varchar(20) not null,
    createdAt datetime not null,
    updatedAt datetime not null
);
```

Table 6:

PropertyTypes - This table contains details about a particular property id it is a shared or private space.

```
create table propertyTypes
(
    id int auto_increment primary key,
    name varchar(20) not null,
    createdAt datetime not null,
    updatedAt datetime not null
);
```

Table 7:

Properties - This table contains information about the properties on the website.

```
create table properties
(
    id int auto_increment primary key,
    name varchar(100) not null,
    price float not null,
    imageUrl varchar(200) null,
    quantityInStock float not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    propertyCategoryId int null,
    propertyTypeId int null,
    isDeleted tinyint(1) default 0 not null,
    description varchar(255) null,
    constraint items_ibfk_1 foreign key (propertyCategoryId) references
    propertyCategories (id)
        on update cascade on delete set null,
    constraint items_ibfk_2 foreign key (propertyTypeId) references
    propertyTypes (id)
        on update cascade on delete set null
);
```

Table 8:

Receipts - This table contains the reservation property details of a particular user.

```
create table receipts
(
    id int auto_increment primary key,
    createdAt datetime not null,
    updatedAt datetime not null,
    userId int null,
    constraint carts_ibfk_1 foreign key (userId) references users (id)
        on update cascade on delete set null
);
```

Table 9:

ReceiptDetails - This table relates the Properties and Receipts tables.

```
create table receiptDetails
(
    id int auto_increment primary key,
    quantity int not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    receiptsId int null,
    propertiesId int null,
    constraint cartdetails_ibfk_1 foreign key (receiptsId) references
receipts(id)
    on update cascade on delete set null,
    constraint receiptdetails_ibfk_2 foreign key (propertiesId) references
properties (id)

on update cascade on delete set null
);
```

Table 10:

PaymentMethods - This table holds details about the user paying online or at the hotel and the charges implied.

```
create table paymentMethods
(
    id int auto_increment primary key,
    name varchar(20) not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    reservationCharge float not null
);
```

Table 11:

Confirmations - This table relates Users, paymentMethods tables.

```
create table confirmations
(
    id int auto_increment primary key,
    totalPrice float not null,
    totalQuantity int not null,
    subTotal float not null,
    tax float not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    userId int null,
    storeId int null,
    paymentMethodsId int null,
    constraint confirmations_ibfk_1 foreign key (userId) references Users
(id)
    on update cascade on delete set null,
    constraint confirmations_ibfk_3 foreign key (paymentMethodId) references
paymentMethods (id)
    on update cascade on delete set null
);
```

Table 12:

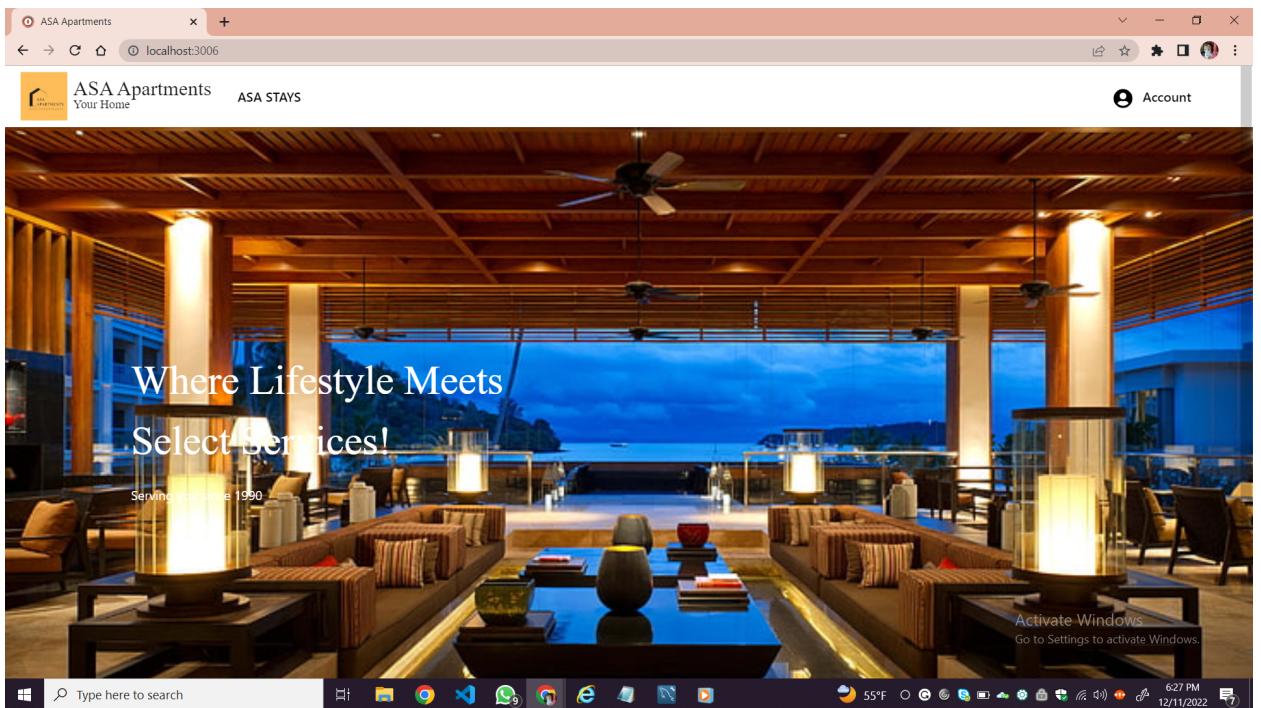
ConfirmationDetails - This table relates the properties and confirmations table.

```
create table confirmationDetails
(
    id int auto_increment primary key,
    quantity int not null,
    createdAt datetime not null,
    updatedAt datetime not null,
    PropertiesId int null,
    confirmationId int null,
    constraint confirmationDetails_confirmationId_PropertiesId_unique unique
(PropertiesId, confirmationId),
```

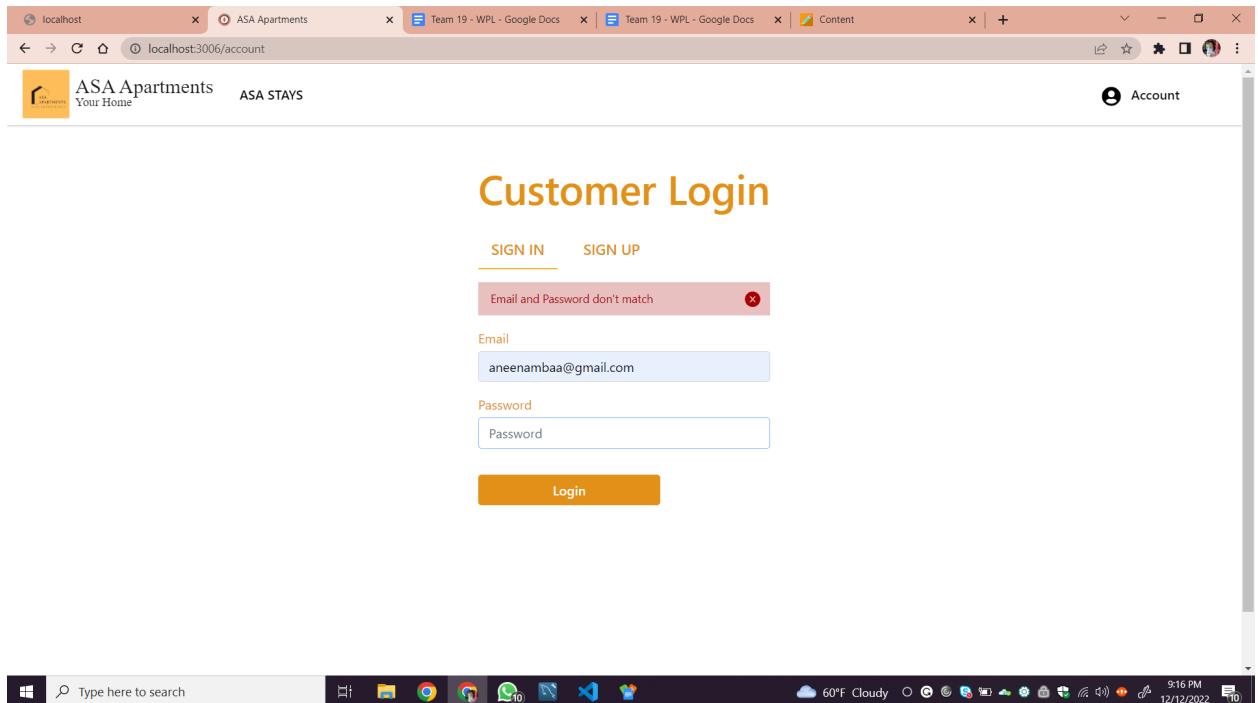
```
constraint confirmationdetails_ibfk_1 foreign key (PropertiesId)
references items (id)
on update cascade on delete cascade,
constraint confirmationdetails_ibfk_2 foreign key (confirmationId)
references confirmations (id)
on update cascade on delete cascade
);
```

Main Functionalities Screenshots

1. Home Page



2. Sign Up and Login



localhost ASA Apartments Team 19 - WPL - Google Docs Team 19 - WPL - Google Docs Content

localhost:3006/account

ASA Apartments Your Home ASA STAYS Account

Create Account

SIGN IN SIGN UP

First Name * Last Name

First Name Last Name

First name is required

Email *

Email

Email is required

Password *

Password

Password is required

Confirm Password *

Confirm Password

Confirm password field is required

Next

9:15 PM 12/12/2022

Create Account

[SIGN IN](#) [SIGN UP](#)

Street *

Street Address

Street address is required

Apartment No. *

Apartment No.

Apartment number is required

City *

City

City is required

State *

State

State is required

Zipcode *

zipcode

Zipcode is required

Phone Number *

Phone Number

Phone number is required

Back

3. List of Properties

Screenshot of a web browser showing the ASA Apartments website at localhost:3006/menu. The page displays a grid of four property listings:

- Frankford, Texas**: \$100. Description: 1-bedroom lavish apartment, Located in Downtown. Close proximity to DFW Airport, nightly_fee: 100, cleaning_fee:25, service_fee:10, rating:4.84/5, amenities:Microwave,oven,induction stove. 
- Ennis, Texas**: \$280. Description: 2b2b apartment, Irving, This property is located in Irving, Texas. Very close to various Indian restaurants and 20 mins from International Airport, nightly_fee: 1150, cleaning_fee:25, service_fee:10, rating:3.5/5, amenities:Microwave,oven,induction stove, barbecue. 
- Ravenna, Texas**: \$248. Description: 6-bedroom villa, Located in Uptown. Mountain-view apartment. Close proximity to various tourist points, nightly_fee: 100, cleaning_fee:25, service_fee:10, rating:4.9/5, amenities:Microwave,oven,induction stove,On-demand barbecue, make-shift swimming pool. 
- Broadway Virginia**: \$149. Description: 4-bedroom villa, Located in greenlake. Mountain-view apartment. Close proximity to various tourist points, nightly_fee: 200, cleaning_fee:45, service_fee:30, rating:4.5/5, amenities:Microwave,oven,induction stove, make-shift swimming pool. 

Left sidebar: Search bar, checkbox filters for Home, Apartments, Shared, Private, and a Reserve button.

Bottom: Windows taskbar with search bar, pinned icons, and system status.

4. Login as Host

Screenshot of a web browser showing the ASA Apartments website at localhost:3006/menu. The page displays a grid of four property listings, identical to the previous screenshot but with edit buttons instead of reserve buttons.

- Frankford, Texas**: \$100. Description: 1-bedroom lavish apartment, Located in Downtown. Close proximity to DFW Airport, nightly_fee: 100, cleaning_fee:25, service_fee:10, rating:4.84/5, amenities:Microwave,oven,induction stove. 
- Ennis, Texas**: \$280. Description: 2b2b apartment, Irving, This property is located in Irving, Texas. Very close to various Indian restaurants and 20 mins from International Airport, nightly_fee: 1150, cleaning_fee:25, service_fee:10, rating:3.5/5, amenities:Microwave,oven,induction stove, barbecue. 
- Ravenna, Texas**: \$248. Description: 6-bedroom villa, Located in Uptown. Mountain-view apartment. Close proximity to various tourist points, nightly_fee: 100, cleaning_fee:25, service_fee:10, rating:4.9/5, amenities:Microwave,oven,induction stove,On-demand barbecue, make-shift swimming pool. 
- Broadway Virginia**: \$149. Description: 4-bedroom villa, Located in greenlake. Mountain-view apartment. Close proximity to various tourist points, nightly_fee: 200, cleaning_fee:45, service_fee:30, rating:4.5/5, amenities:Microwave,oven,induction stove, make-shift swimming pool. 

Left sidebar: Search bar, checkbox filters for Home, Apartments, Shared, Private, and an Add new button.

Bottom: Windows taskbar with search bar, pinned icons, and system status.

5. Edit Property

The screenshot shows a web browser window with the title 'ASA Apartments' and the URL 'localhost:3006/item'. The page displays a form for 'Product Details' with the following fields:

- Item Name ***: Frankford, Texas
- Price ***: 100
- Description ***: 1-bedroom lavish apartment, Located in Downtown. Close proxima
- Category Selection**: Shared (selected), Home, Private, Apartments
- Image Preview**: A thumbnail image of a living room.
- File Input**: Choose File (No file chosen)
- Action Buttons**: Edit, Delete

At the bottom right, there is a watermark: 'Activate Windows Go to Settings to activate Windows.'

Below the browser window, the Windows taskbar is visible with various pinned icons and the system tray showing the date and time as 12/11/2022.

6. Add Property

The screenshot shows a web browser window with the title 'ASA Apartments' and the URL 'localhost:3006/new-item'. The page displays a form titled 'Add new Item' with the following fields:

- Item Name ***: FRANK
- Price ***: 122
- Description**: NICE HOME
- Max Guest ***: 3
- Category Selection**: Home, Shared (selected), Apartments, Private
- File Input**: Choose File (No file chosen)
- Action Buttons**: Create

A green success message at the top states 'Item added successfully'.

Below the browser window, the Windows taskbar is visible with various pinned icons and the system tray showing the date and time as 12/12/2022.

7. Delete Property

ASA Apartments Your Home ASA STAYS

Property Details

deleted successfully

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8. Reservation

localhost ASA Apartments Your Home ASA STAYS Account

localhost:3006/checkout

Confirmation

PROPERTY DETAILS	GUESTS	PRICE	TOTAL
Ennis, Texas	- 1 +	280	280.00

Continue Booking

Summary

Reservation	
Reservation	✓

Sub Total	280.00
Tax	50.40
Total	330.40

Confirm Booking

Type here to search 60°F Cloudy 9:22 PM 12/12/2022

Video Link:

[Call with Jayakumar, Sherin-20221211_195452-Meeting Recording.mp4](#)

Work division among team members

We collaboratively worked on every step of the project.