

WPL Final Project Report

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JXT210011

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Name of the Website: Swayaway

Database Structure:

1. Property Object

```
{
  "propId": 1,
  "hostId" : 203,
  "hostName" : "Charles Schen",
  "title": "NEW! Stunning Broken Bow Cabin w/ Hot Tub + Views!",
  "description": "Nestled in the woods of Broken Bow, this hidden gem awaits a lucky group of travelers looking to experience luxury amenities and ample conveniences all wrapped into one. The 3-bedroom, 3-bathroom cabin boasts a modern-chic feel, complete with stylish decor, a variety of sleeping arrangements, and plenty of outdoor spaces to enjoy the peaceful surroundings. The vacation rental is also just moments from the area's best spots like Beavers Bend State Park and local wineries and eateries.",
  "images": [
    "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/0470dbb6-adea-4c76-8167-b1fd131e6830.jpeg?im_w=1200",
    "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/56966a5f-e2fc-4718-ab07-2b9ad03d006d.jpeg?im_w=1440",
    "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/30bb1786-5eaf-4488-9abe-b29c20f5b5dd.jpeg?im_w=1440",
    "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/d1fdd29d-5818-4ale-beee-aefe8a6914ef.jpeg?im_w=1440",
    "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/5756a17f-e0d7-49a3-9c7f-e855cd123b08.jpeg?im_w=1440",
    "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/3e145820-8f8e-4dd9-b7b8-bbdd2245fdff.jpeg?im_w=1440",
    "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/fe83006e-17fa-452e-ac3c-2a78158e8061.jpeg?im_w=1440",
```

```
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/003c3382-5963-478a-86e6-4e9776dc14ab.jpeg?im_w=1440",
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/7f2e14ec-b382-4ff3-90bf-8d70c40c17e5.jpeg?im_w=1440",
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/b11dca52-ac1b-476b-82e3-4e90c28e32d8.jpeg?im_w=1440",
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/cbe85161-7b80-4969-8043-48b59f15e409.jpeg?im_w=1440"
],
"price": {
    "base_fee": 120,
    "cleaning_fee": 20,
    "taxes": 10
},
"avgRating": 4.75,
"userReview": [
    {
        "userName": "Chelyse",
        "comments": "We enjoyed a wonderful Thanksgiving at this beautiful cabin and felt right at home!",
        "commentedDate": "November 2022",
        "rating": 4.6
    },
    {
        "userName": "Laura",
        "comments": "Our family visited here for 4 days and we did not want to leave. We greatly enjoyed everything about our stay.",
        "commentedDate": "October 2022",
        "rating": 4.6
    },
    {
        "userName": "Danny",
        "comments": "exceptional food, friendly staff and experience. this be go place again the future. thank you",
        "commentedDate": "September 2022",
        "rating": 4.6
    },
]
```

```
{
    "userName": "Whitney",
    "comments": "A good location with a nice lawn(can play mini football/cricket) and a barbecue place. Excellent food and services by Mr.Rajappan & Team. ",
    "commentedDate": "July 2022",
    "rating": 4.6
},
],
"houseType": "private",
"maxGuests": 8,
"bedrooms": 3,
"beds": 6,
"baths": 3,
"address": {
    "street": "3100 Northside Blvd",
    "apt": 234,
    "city": "Richardson",
    "state": "TX",
    "zipcode": 75080,
    "country": "USA"
},
"ameneties": {
    "airConditioning": true,
    "hairDryer": true,
    "hotTub": false,
    "wifi": true,
    "iron": true,
    "washer": true
},
"houseRules": [
    "Check-in after 4:00 PM",
    "Checkout before 11:00 AM",
    "Pets allowed",
    "No smoking"
],
"isAvailable" : true
}
```

2. User Object

```
{
    "userId": 201,
    "firstName": "Kavya",
```

```

    "lastName": "Mehra",
    "email": "kavmeh@gmail.com",
    "password": "kavmeh@gmail.com",
    "isHost": false,
    "favorites": [
        1,
        3
    ],
    "languagesKnown": [
        "English",
        "Spanish"
    ]
}

```

3. Reservations Object:

```

{
    "reservationId": 320,
    "startDate": "2022-12-12T06:00:00.000Z",
    "endDate": "2022-12-20T06:00:00.000Z",
    "propId": "1",
    "userId": "202",
    "title": "NEW! Stunning Broken Bow Cabin w/ Hot Tub + Views!",
    "images": [
        "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/0470dbb6-adea-4c76-8167-b1fd131e6830.jpeg?im_w=1200",
        "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/56966a5f-e2fc-4718-ab07-2b9ad03d006d.jpeg?im_w=1440",
        "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/30bb1786-5eaf-4488-9abe-b29c20f5b5dd.jpeg?im_w=1440",
        "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/d1fdd29d-5818-4a1e-beee-aef8a6914ef.jpeg?im_w=1440",
        "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/5756a17f-e0d7-49a3-9c7f-e855cd123b08.jpeg?im_w=1440",
        "https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/3e145820-8f8e-4dd9-b7b8-bbdd2245fdff.jpeg?im_w=1440",
    ]
}

```

```
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/fe83006e-17fa-452e-ac3c-2a78158e8061.jpeg?im_w=1440",  
  
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/003c3382-5963-478a-86e6-4e9776dc14ab.jpeg?im_w=1440",  
  
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/7f2e14ec-b382-4ff3-90bf-8d70c40c17e5.jpeg?im_w=1440",  
  
"https://a0.muscache.com/im/pictures/prohost-api/Hosting-635796702565692921/original/b11dca52-ac1b-476b-82e3-4e90c28e32d8.jpeg?im_w=1440",  
],  
"address": {  
    "street": "3100 Northside Blvd",  
    "apt": 234,  
    "city": "Richardson",  
    "state": "TX",  
    "zipcode": 75080,  
    "country": "USA"  
},  
"hostName": "Charles Schen"  
}
```

Screenshots of Main Functionalities:

1. Register

swayaway

Login Register

First Name

Last Name

Email address

Password

Submit

SWAYAWAY INC.

We thrive to provide the most authentic yet the most affordable housing around the globe. And maybe beyond.

CONTACT

UTD, Richardson, TX
info@swayaway.com
+ 465-574-5847

2. Home Page

swayaway

Login Register

Search any destination ... No Filter

Private Mountain Retreat Near Dtown & Hiwassee Lake
\$250 per night ★

Private HOT TUB!! ARCADE in home w/ POOL TABLE!!
\$200 per night ★

Woodsy Abode w/ Covered Deck & Lake Access!
\$200 per night ★

Woodsy Abode w/ Covered Deck & Lake Access!
\$109 per night ★

3. Search

swayaway

Login

Wood

No Filter

Woodsy Abode w/ Covered Deck & Lake Access!

\$200 per night ★

Woodsy Abode w/ Covered Deck & Lake Access!

\$109 per night ★

4. Reservation

swayaway

Login Register

Woodsy Abode w/ Covered Deck & Lake Access!

Hosted by Macy Stevens * 3100 Northside Blvd, Coldspring, TX, ❤

Description

Experience the tranquil beauty of Livingston when you stay in this cozy vacation rental. Featuring a stunning rustic-chic interior, this 3-bedroom, 2.5-bathroom cabin is a must-stay. Spend time boating, fishing, and swimming at Lake Livingston, or enjoy a fun-filled afternoon at Lake Park - both within walking distance! After a day full of waterside adventure, return to the fully equipped kitchen or covered deck to kick back and relax with your loved ones.

8 Max Guests * 3 Bedrooms * 5 Beds * 2.5 Baths

House Rules:

- Check-in after 4:00 PM
- Checkout before 11:00 AM
- Pets allowed
- No smoking

Amenities:

Air Conditioning Hair Dryer Wifi Iron Washer/Dryer

0 nights in Woodsy Abode w/ Covered Deck & Lake Access!

200 / night



Login Register

0 nights in Woodsy Abode w/ Covered Deck & Lake Access!

Dec 11, 2022

Dec 11, 2022

◀ December ▶ 2022

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 27 | 28 | 29 | 30 | 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 | 31 |

200 / night

Check-in Date

12/11/2022

Checkout Date

12/11/2022

Guests

1

Total Price

200 * 0 night(s) * 1 room(s) = 0

Reserve

★ * 4 reviews

Add Comment

Chelyse | 11/1/2022

We enjoyed a wonderful Thanksgiving at this beautiful cabin and felt right at home!

Danny | 9/1/2022

Laura | 10/1/2022

Our family visited here for 4 days and we did not want to leave. We greatly enjoyed everything about our stay.

Whitney | 7/1/2022

5. User Profile



Profile Signout

Hello Charles

Favourites List:



Private Mountain
Retreat Near Dtown &
Hiwassee Lake

\$250 per
night



Upcoming Reservations:





[Profile](#) [Signout](#)

Upcoming Reservations:



Woodsy Abode w/
Covered Deck & Lake
Access!

3100 Northside Blvd,
Coldspring, TX,

Check-in Date **Checkout Date**

12/12/2022 12/20/2022

[Cancel Reservation](#)

Owned Properties:

[Add Property](#)



6. Add Property



Profile Signout

Title

Tiffany's haven

Metropolitan
 Countryside

Private accommodation
 Shared place

Address

1234 Main St

House number

Apartment, studio, or floor

City

State

Zip

Upload Images

Description

Air Conditioning Fireplace Hair Dryer Pet Friendly

Price per night

Cleaning fee

Tax

Submit

SWAYAWAY INC.

We thrive to provide the most authentic
yet the most affordable housing around

CONTACT

UTD, Richardson, TX
info@swayaway.com

7. Add Comment

User Comments

Rating

★★★★★

Enter Comments

Close Save changes

★ * 4 reviews

Chelyse | 11/1/2022

We enjoyed a wonderful Thanksgiving at this beautiful cabin and felt right at home!

Danny | 9/1/2022

exceptional food, friendly staff and experience. this be go place again the future. thank you

Laura | 10/1/2022

Our family visited here for 4 days and we did not want to leave. We greatly enjoyed everything about our stay.

Whitney | 7/1/2022

A good location with a nice lawn(can play mini football/cricket) and a barbecue place. Excellent food and services by Mr.Rajappan & Team.

Team Members:

Jayashree Santhoshi Thota(jxt210011) - Section 003
Raseshkumar Jatinkumar Patel(RXP200058) - Section 003

Work Division:

Jayashree - She developed the outlook of Home Page and filtering functionalities. She organized the property cards and worked end-to-end on reservation and comments.
Rasesh Kumar - He coded login/register functions, Add/remove functions from the favorite property lists and worked end-to-end on "add property" and host sign up features.

Video Link:

The walk-through video is found at the following link -

https://cometmail-my.sharepoint.com/personal/jxt210011_utdallas_edu/_layouts/15/stream.aspx?id=%2Fpersonal%2Fjxt210011%5Futdallas%5Fedu%2FDocuments%2FScreen%20Recording%202022%2D12%2D12%20at%204%2E55%2E21%20AM%2Emov&nav=%7B%22defaultNavPanel%22%3A%7B%22pluginName%22%3A%22MediaSettingsLayer%22%7D%7D

search is shown in the below link-

https://cometmail-my.sharepoint.com/personal/jxt210011_utdallas_edu/_layouts/15/stream.aspx?id=%2Fpersonal%2Fjxt210011%5Futdallas%5Fedu%2FDocuments%2FScreen%20Recording%202022%2D12%2D12%20at%204%2E55%2E21%20AM%2Emov&nav=%7B%22defaultNavPanel%22%3A%7B%22pluginName%22%3A%22MediaSettingsLayer%22%7D%7D

%202022%2D12%2D12%20at%205%2E12%2E49%20AM%2Emov&referrer=OfficeHome&referrerScenario=EDGEWORTH

link showing version 1 of our project- (just happy sharing our learning)

https://cometmail-my.sharepoint.com/personal/rxp200058_utdallas_edu/_layouts/15/stream.aspx?id=%2Fpersonal%2Frxp200058%5Futdallas%5Fedu%2FDocuments%2FMicrosoft%20Teams%20Chat%20Files%2F6314%2DWPL%2DFinalProject%2DSwayaway%2DVideo%2Emp4&referrer=Teams%2ETEAMS%2DELECTRON&referrerScenario=p2p%5Fns%2Dbim&ga=1

CS 6314 – Final Project – Required Functionalities

- User signup: Register a new user to the system
- Form validation: Check if all mandatory fields are filled out
- Check if the password is strong enough. Define the rules of having a strong password. User passwords should be hashed, and only encrypted version of passwords should be stored in the database
- User login
- List all properties in the system
- Users will “filter” properties based on a city and/or property type
- Users will add properties to their favorites list
- Users will access their favorites list
- Users will remove properties from their favorites list
- Users will be able to rate a given property
- They will enter their feedback/comments as they rate the property
- Users will be able to sign-up for a host account (Become a host)
- Hosts will add properties to the system
- For adding a property, they should be able to upload picture(s)
- Hosts will update property details (description, amenities, price, cleaning fee etc.)
- Hosts will delete properties from the system (soft delete: mark them as unavailable)
- Users will make reservations. For making a reservation, availability of the property should be checked
- For users, reservations (both past and future) will be listed along with reservation dates
- Users will be able to cancel the reservation if it is before 48 hours before reservation date/time