PROJECT OVERVIEW AND REQUIREMENRT DOCUMENT

FUNCTIONAL REQUIREMENT:

A car sharing website typically has several functional requirements to provide a seamless and user-friendly experience for its users. Here are some common functional requirements of a car sharing website:

1.User Registration: Users should be able to create an account and register using their personal information, such as name, email address, and contact details.

2.Vehicle Search and Booking: The website should allow users to search for available vehicles based on location, date, time, and vehicle type. Users should be able to view vehicle details, including availability, pricing, and specifications, and book a vehicle for a specific duration.

3.User Authentication and Security: The website should ensure secure authentication of users and protect their personal and financial information. This may involve features such as two-factor authentication, secure payment gateways, and data encryption.

4.GPS Tracking and Mwebsiteing: The website should integrate GPS functionality to enable users to locate nearby vehicles, track the location of booked vehicles, and provide directions for pickup and drop-off locations.

5.Payment Processing: The website should support secure payment processing, allowing users to make payments for bookings directly within the website. This may involve integrating with third-party payment gateways or implementing a built-in payment system.

6.Reservation Management: The website should provide features for users to manage their reservations, including the ability to modify or cancel bookings, view booking history, and receive notifications related to upcoming reservations.

7.User Ratings and Reviews: Users should be able to provide ratings and reviews for both vehicles and other users, promoting transparency and accountability within the car sharing community.

8.Support and Feedback: The website should have a support system in place, enabling users to contact customer support for assistance, report issues, and provide feedback to improve the service.
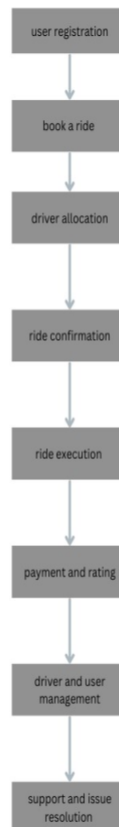
9.Integration with External Systems: The website may need to integrate with external systems such as vehicle fleet management, payment gateways, and mapping services to ensure seamless operations.

10.User Profiles and Verification: The website should allow users to create and manage their profiles, including verification of their identity, driver's license, and insurance information if required.

11.Social Sharing: The website may provide social sharing features, allowing users to share their car sharing experiences, recommend vehicles or destinations, and invite friends to join the platform.

These functional requirements can vary based on the specific goals and features of the car sharing website, but they provide a general overview of what is typically expected in such website.

Work flow Diagram :

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┌──────────────────┐
│ user registration │
└──────────────────┘
         │
         ▼
┌──────────────────┐
│    book a ride    │
└──────────────────┘
         │
         ▼
┌──────────────────┐
│  driver allocation │
└──────────────────┘
         │
         ▼
┌──────────────────┐
│  ride confirmation │
└──────────────────┘
         │
         ▼
┌──────────────────┐
│   ride execution  │
└──────────────────┘
         │
         ▼
┌──────────────────┐
│ payment and rating │
└──────────────────┘
         │
         ▼
┌──────────────────┐
│  driver and user  │
│    management     │
└──────────────────┘
         │
         ▼
┌──────────────────┐
│ support and issue │
│    resolution     │
└──────────────────┘
```

Feature list of ShareACar :

1.GPS Tracking and Maps

First of all, the location of the vehicle and of the clients is most important. Whether you're a client and you try to find the car closest to you, or a driver trying to figure out where your client's exact location is. With the help of GPS tracking, things become much easier.

Also, by having maps integrated into the website, people will be able to filter the fastest route to get to their destination. It will depend on each user on what is the best route website since users have different preferences.

2. User Profiles

Knowing your customer or your driver is also very important. Letting users rate the people they previously worked with is very helpful for other future clients to know what they are about to get into.

Nobody wants to get driven around by a guy who road rages at every intersection, and nobody wants to drive a rude customer that making a mess in the back of the car.

3. Notification

This is another handy feature that must be integrated into mobile website development. With notification, people can know that the car they've hired some time ago is waiting at the front door, or that the renting period of the car is almost up.

4. Scheduling

Having the ability to schedule your rides in advance definitely saves a lot of hassle. This way, you will no longer have to look desperately for a car, or a driver while being on the pressure, trying to show up late for a meeting or day to day activities.

5. Online payment

We live in the digital era, where pretty much everything can be done using the internet. Online payments are a must-have for this sort of website.

It is more convenient and it saves a lot of hassle.

Conclusion

With all of those being said, car-sharing companies differentiate themselves in many ways, however, these are some of the key features any enterprise that operates in this domain should have in common in order to find success.