Product Requirement Document

Project Name	Easy Bikes
Target Release	—
Document Status	Started
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Overview

The Bike Sell and Buy Web App is an online marketplace that connects buyers and sellers of bikes. The main Purpose to find a bike of your choice to directly connect with the seller and avoid middle agents. The platform is designed to provide a user-friendly interface that makes it easy for both buyers and sellers to find what they need.

Goals

1. To provide a user-friendly interface that makes it easy for buyers and sellers to find and list bikes.

2. To ensure the scalability and reliability of the web app, allowing it to handle high traffic loads and grow as the user base expands.

3. To offer features such as bike listings, search functionality, managing user accounts, bike listings, enhance the user experience.

4. The goal of this Web App is to create a platform that connects buyers and sellers. a smooth and enjoyable experience for both parties.

Why use Easy Bikes

Convenience: The web app offers a convenient platform for users to buy and sell bikes from the comfort of their homes.

- **Wide Range**: Users can browse and purchase bikes at any time, and sellers can list bikes for sale without the need to physically visit a store or marketplace.

- **User-Friendly:** The web app bikes a user-friendly interface that makes it easy for users to navigate and find bikes. This enhances the overall user experience and makes it more likely that users will return to the platform for future purchases or sales.

- **Cost-Effective:** The web app gives options for users to buy and sell bikes, allowing them to save money compared to buying new bikes from retail stores.

- **Reviews and Ratings:** The web app allows users to leave reviews and ratings for bikes they have purchased. This helps other users make informed decisions when browsing and purchasing bikes on the platform.

Assumptions

1. Users are interested in buying and selling bikes.
2. Users value convenience and are looking for a platform that allows them to browse and purchase bikes from the comfort of their homes.
3. Users are concerned about the quality of bikes they are purchasing and are interested in reading reviews and ratings before making a purchase.
4. The platform is able to handle high traffic loads and provide a reliable user experience.

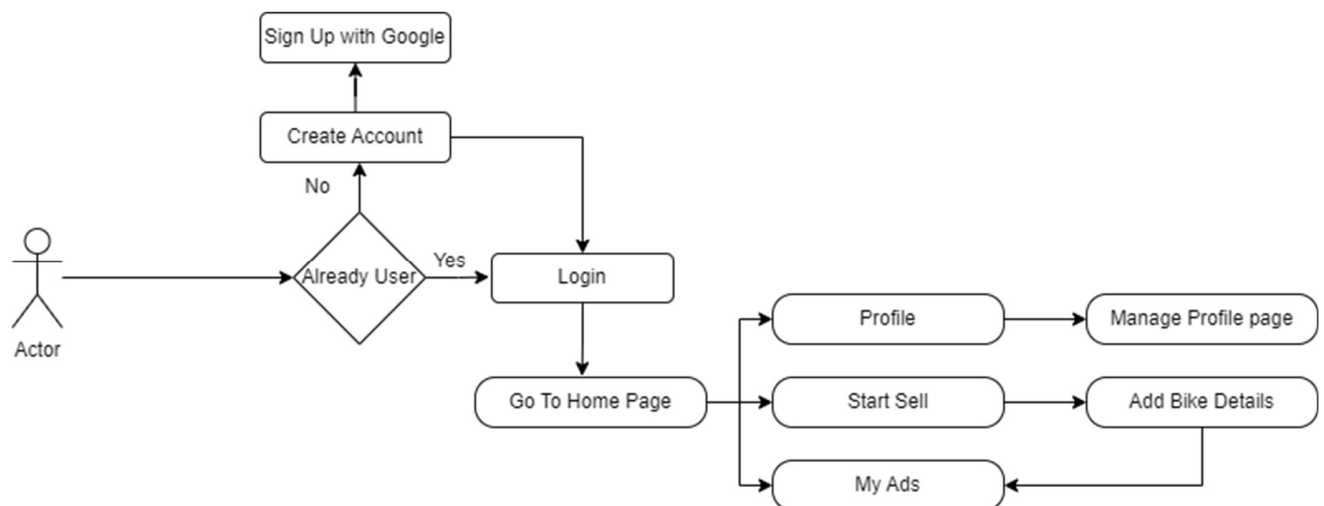# Who should use Easy Bikes

User As A Buyer:

1. Able to buy the bike's second hand.

2. Easy to get in contact with the seller.

3. Can see all the available bike's from their home, no need to go outside only for buying but you can select the bike from home.
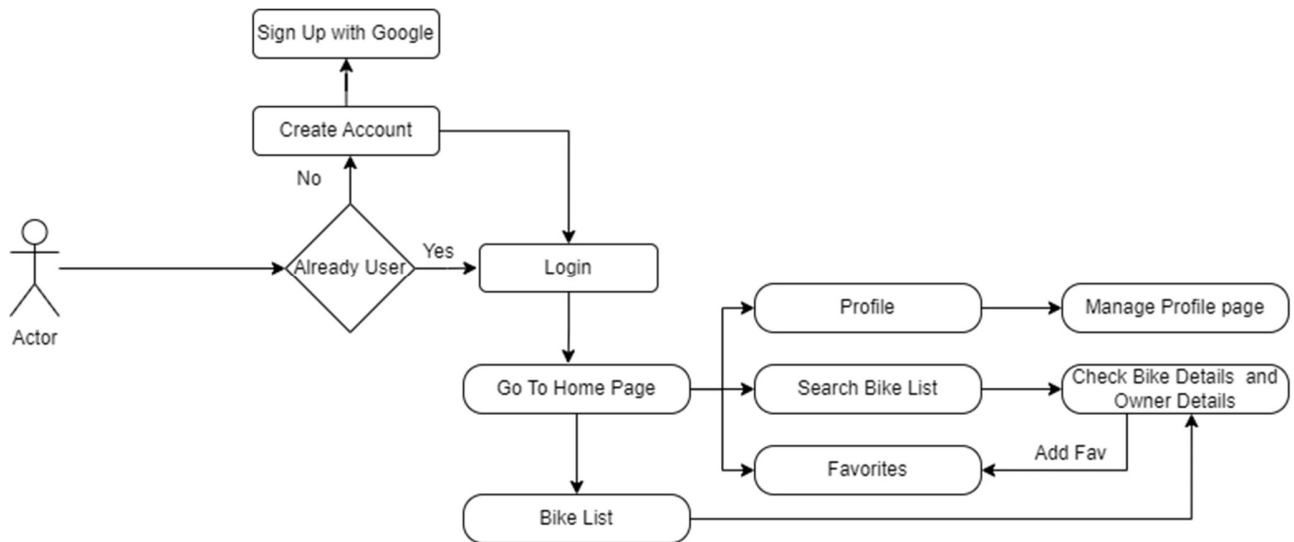
User As A Seller:

1. Easy to sell on an online platform, buyers can contact you directly no middle agent required.

2. Can sell as many bikes as you want with no restriction.

3. Price will be set according to you.

User Journey

User as Seller

User as Buyer

Technology Stack

Frontend :	React.js, Redux, Tailwind CSS
Deployment :	Netlify, Render
Google LogIn/SignUp:	Firebase
Logging :	Sentry
Backend :	Node.js, Express.js, SSO
Authentication :	JWT (Auth)
Database :	Mongo DB Atlas
Upload Image:	Cloudinary
Testing :	React Testing library, Jest

Milestones

Requirement	Details	Priority	Timeline
Setup	React/Redux Setup	High	Week 1
	NodeJS/DB Setup	High	
	MongoDB Atlas	High	
	CI/CD pipelines	Medium	
Landing/Login Page	Landing page to display features	High	
	Login with email Using Firebase	High	
	Authorizations using JWT and Google Auth	High	
User Dashboard	CRUD on Users profile	High	
	Adding Bike Details	High	
	Update profile details	Medium	
Bike's Details of Buyer(add/remove)	Showing the details of buyer's Bike, can be removed or add a new bike for sale.	High	Week 2

Showing Bike Details For Sell	Show list of Bike's available for sale on Dashboard.	High	
Resources Page	Create a component to show resources of a bike's detail on which user clicked to checkout or buy the bike.	High	
Favorite Page	Create a component where the user can create its favorite list.	Medium	Week 3
Reviews	Adding a Review section in Bike details so that buyers can get the overview about the bike.	Medium	Week 4
Search	Adding Search option so that buyers can search for a specific bike at a specific location.	Medium	

User Scenarios

1. As a user, I should be able to register and login as both buyer and seller.

2. As a user, I should be able to get the details of all the bikes that are available for sale.

3. As a user, I should be able to use the search option and search for specific bikes.

4. As a user, I should be able to add bike's details for sale at my own specific price.

5. As a user, I should be able to add more bikes for sale and also be able to remove the bike's details that are added for sale.

6. As a user, I should be able to see all the details of the bike from bike number to contact number.

7. As a user , I should be able to add the bike's in my favorite list.

8. As a user, I should be able to add comments on bike's.

FAQ's

How many can be added for sale?

There is no specific number but you can add as much as you want .

Are the given details about the bike's are true?

Yes, absolutely even as per further development we are developing a verification process to check if there is any legal case on bikes.

Can I choose any specific bike?

Yes, you can choose to search for your bike from the search bar.

How can we contact the buyer?

You can check for the contact number in bike details .

Can the price be negotiated from the seller?

Yes you can negotiate from the seller there is no boundation that you have to buy the bike on a given price only.

Future Enhancements

1. Live Chat
2. Multifactor Authentication
3. Bike Verification
4. Google Maps
5. Dark Mode toggle
6. To Develop Mobile app

References

- **https://www.bikedekho.com/**
- **https://www.olx.in/**