# A Project Report

# On

# HOMYZ


**Submitted by**

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**Mentor**


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**Department of Computer Engineering &Application**
**G.L.A. UNIVERSITY**



**GLA University, Mathura - 281406**

**29/11/2023**

# BONAFIDE CERTIFICATE

Certified that this project report "**Homzy**" is the Bonafide work of
Aman Jain – 2115000128
who carried out the project work under my supervision.

**SIGNATURE (HOD)** **SIGNATURE (SUPERVISOR)**

**HEAD OF THE DEPARTMENT**
**CSE Department**

**Mr. Ankit Arora**
**(Senior Trainer )**
**CSE Department**

Submitted for the project viva-voce examination held on 29 November 2023

# ACKNOWLEDGEMENT

Presenting the ascribed project paper report in this very simple and official form, we

would like to place my deep gratitude to GLA University for providing us with the instructor Mr. Ankit Arora, our technical trainer and supervisor.

she has been helping us since Day 1 of this project. she provided us with the roadmap, and the basic guidelines explaining on how to work on the project. She has been conducting regular meetings to check the progress of the project and providing us with the resources related to the project. Without her help, we wouldn't have been able to complete this project.

And at last but not least we would like to thank our dear parents for helping us to grab this opportunity to get trained and also my colleagues who helped me find resources during the training.

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Thanking You

**Name of Candidate**: Aman Jain

**(**2115000128)

# CERTIFICATE

This is to certify that the above statement made by the students is correct to the best of my knowledge and belief.

Date:

Place: Mathura

Name and Signature with Affiliation of Supervisor

Mr. Ankit Arora

# CONTENTS :-

Table of Contents

# 1. ABSTRACT



This is an real estate website in which users can buy and sell properties. The user must have an account on Homyz. On this website, users can also book a visit to the property he is interested in and check its location on map.

## KEY FEATURES:-

**1. User Authentication and Management:**

- **User Registration/Login:** Allow users to create accounts and log in securely.
- **User Profiles:** Enable users to manage their profiles, including favorites.

**2. Product Catalogue and Search:**

- **Product Listings:** Display a diverse range of properties with clear descriptions, images, and prices.
- **Search and Filters:** Implement search functionality and filters by city, title, and country for easy navigation.
- **Product Details:** Show detailed information about each properties, including specifications and location on map.

# CHAPTER-1

# INTRODUCTION

## 1.1 CONTEXT:-

Addressing the evolving needs of property seekers and sellers requires a solution that not only offers reliable property verification but also facilitates efficient communication between stakeholders. Moreover, a data-driven approach providing insightful market trends and personalized recommendations is essential for empowering users to make informed decisions. Creating a user-centric platform that ensures trust, transparency, and convenience is crucial in revolutionizing the real estate digital experience.

## 1.2 MOTIVATION:-

The website's motivation lies in creating a transparent, efficient, and trustworthy ecosystem that empowers users with comprehensive property information, fosters smoother transactions, and ultimately enhances the overall real estate experience.

## 1.3 OBJECTIVE:-

Homyz is an online destination dedicated to providing a diverse range of Properties. Our platform aims to offer enthusiasts a seamless experience, presenting a curated collection of quality products.

## 1.4 EXISTING SYSTEM:-

Existing real estate websites typically comprise databases storing property listings, user profiles, and transactional information. They integrate search engines with filters for location, property type, and price range. These platforms incorporate interactive features like virtual tours, high-quality images, and maps for property visualization. Additionally, they often facilitate communication between users and real estate agents, allowing inquiries, scheduling visits, and negotiating deals within the platform.

# CHAPTER -2

# SOFTWARE REQUIREMENT ANALYSIS

## 2.1 IMPACT OF THIS ON DAILY LIFE:-

Real estate websites have revolutionized daily life by simplifying property searches, enabling individuals to explore diverse options from the comfort of their homes. They offer convenience by providing comprehensive property details, virtual tours, and interactive maps, saving time and effort in the house-hunting process. These platforms facilitate smoother transactions, connecting buyers, sellers, and agents, streamlining the buying or renting experience. Overall, real estate websites have become an indispensable tool, empowering individuals to make informed decisions and navigate the complex real estate market with ease in their everyday lives.

## 2.2 PROBLEM STATEMENT:-

The current state of real estate websites faces persistent challenges of outdated listings, limited transparency, and insufficient communication tools, hindering seamless interactions between buyers, sellers, and agents. These platforms lack comprehensive property verification methods, leading to a lack of trust among users. Additionally, the absence of advanced data analytics deprives users of valuable insights, impacting informed decision-making for property investments. Overcoming these hurdles is crucial to establish a user-centric, transparent, and efficient real estate platform that fosters trust and provides valuable market insights.

## 2.3 HARDWARE AND SOFTWARE REQUIREMENTS:-

### Hardware Requirement

Processor: any smartphone processor

- RAM: 8 GB (or higher)
- Hard disk: 256GB

### Software Requirement

- Software used: Visual Studio Code

• Language used: HTML, CSS, JavaScript,

.Version control : git ,github.

• User Interface Design: Website

## 2.4 MODULES AND FUNCTIONALITIES

### Modules:

1. **User Management:**
    - User Registration/Login
    - User Profiles
    - Address Book
2. **Product Management:**
    - Product Catalog
    - Product Search and Filters
    - Product Reviews and Ratings
    - Inventory Management
3. **Content Management:**
    - Homepage Management

### Functionalities:

1. **User Experience:**
    - Responsive Design for various devices
    - Intuitive and User-friendly Interface
    - Personalized Recommendations based on user history
2. **Product Presentation:**
    - High-quality Images and Detailed Descriptions
    - Sizing Guides and Recommendations
3. **Community Engagement:**
    - User-generated Reviews and Ratings

# CHAPTER – 3

# IMPLEMENTATION AND USER INTERFACE

## Week 1: Planning and Design

**Day 1-2: Requirement Gathering:-** Brainstorm phase, where we look for inspiration and vision for our User-Interface design and real esate website

**Day 3-4: Wireframing and Design**:- Sketch rough layouts for webpages (homepage, properties page, etc.) Select colour schemes, typography, and imagery that resonate with the theme.

**Day 5-7: Prototype Development:-** Create the skeleton for our website using basic HTML tags like div, section, image, anchor etc and add basic CSS functionalities like padding and margin

## Week 2-3: Frontend Development

**Day 8-10: Tech Stack Selection**

- **Choose Technologies:** Select frontend technologies

**Day 11-14: Frontend Setup and Structure**

- **Setup Project:** Initialize the project structure, set up version control (like Git), and create the basic folder hierarchy.
- **Homepage Development:** Begin coding the homepage layout, integrating elements from the design phase.

**Day 15-17: Property Listing and Detail Pages**

- **Product Catalogue:** Implement functionality to display properties.
- **Product Pages:** Develop individual property pages with detailed descriptions, images, and book a visit options.

## Week 4: Refinement and Testing

**Day 22-24: Optimization and Responsive Design**

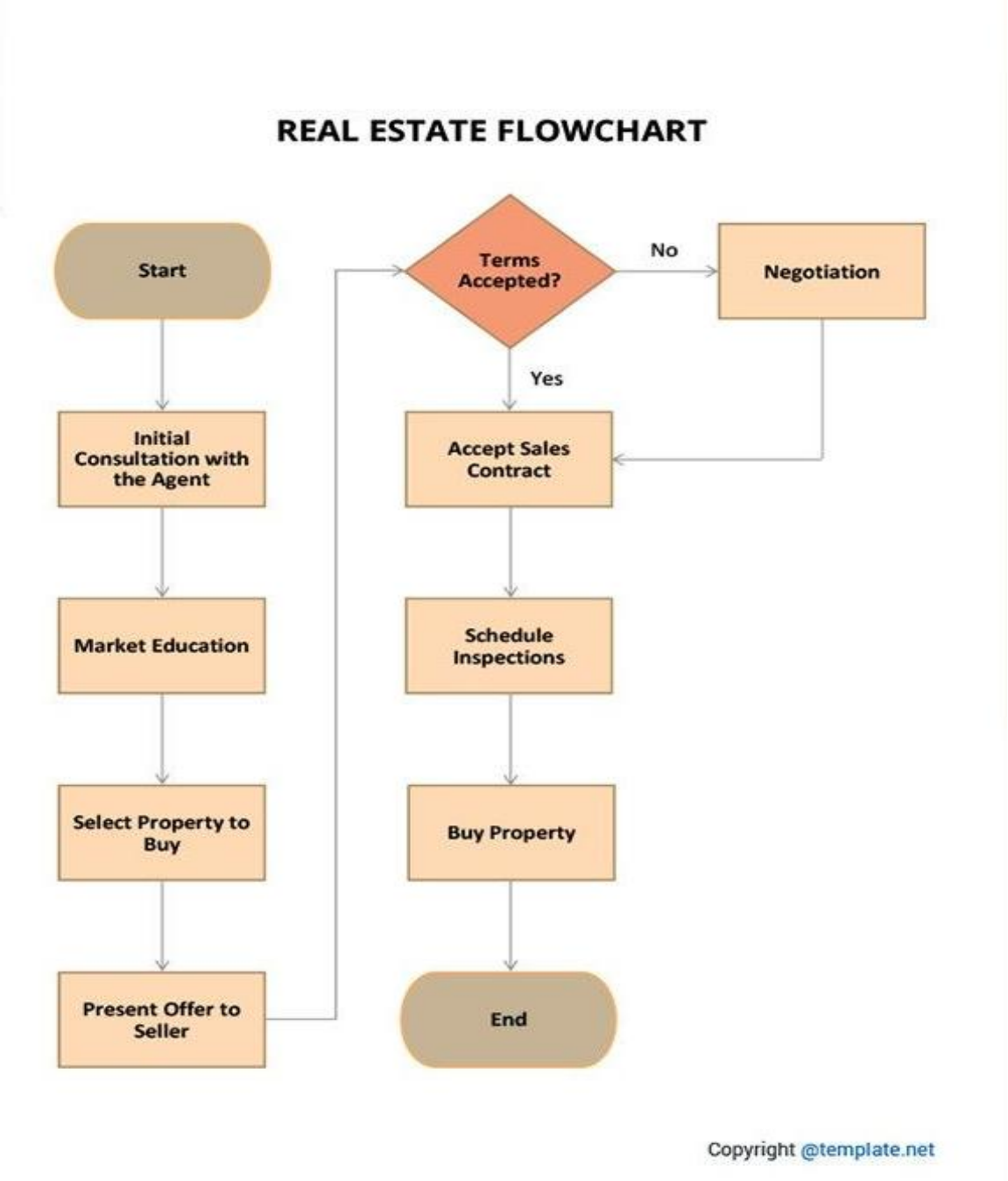
- **Optimization:** Refine code for performance and speed optimization.
- **Responsive Design:** Ensure the website is fully responsive across devices (desktop, mobile, tablet).

**Day 25-30: User Testing and Feedback and Final Polishing**

**Testing and Bug Fixes:** Basic testing is conducted to identify and resolve critical bugs and ensure functional stability.

**Deployment and Hosting:** The website is deployed and hosted on a chosen platform, ready for users to access and utilize.

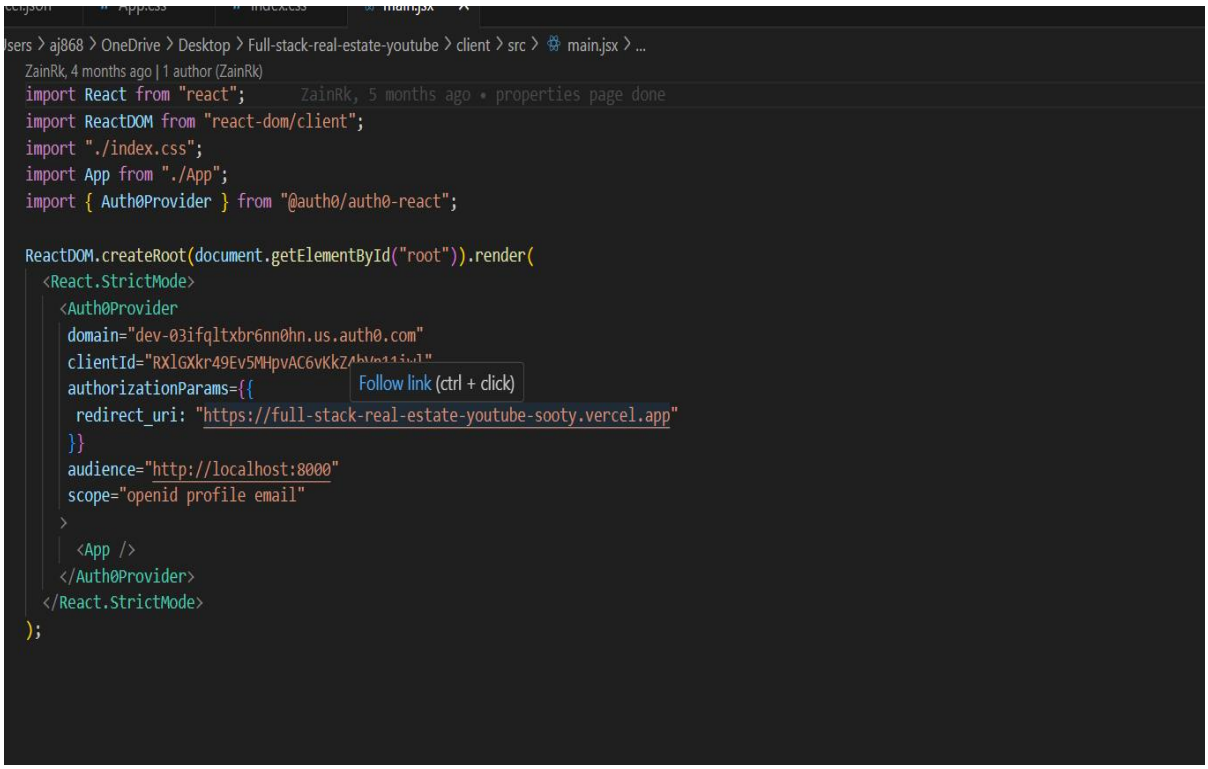
# FLOW CHART


REAL ESTATE FLOWCHART
Start
Initial Consultation with the Agent
Market Education
Select Property to Buy
Present Offer to Seller
Terms Accepted?
No
Negotiation
Yes
Accept Sales Contract
Schedule Inspections
Buy Property
End
Copyright @template.net

# CHAPTER – 4

# USER INTERFACE-CODE OF THE PROJECT

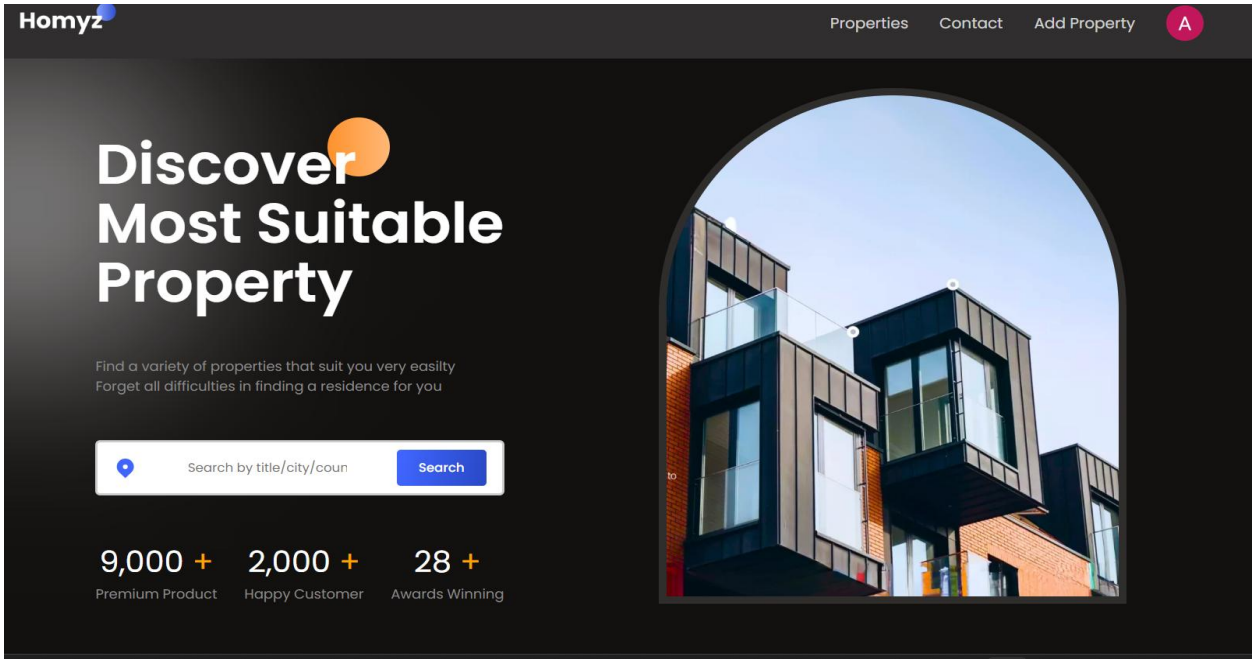
```css
:root {       ZainRk, 5 months ago • properties page done
  --primary: #1f3e72;
  --secondary: rgba(255, 255, 255, 0.78);
  --black: #131110;
  --blue-gradient: linear-gradient(97.05deg, #4066ff 3.76%, #2949c6 100%);
  --orange-gradient: linear-gradient(270deg, #ffb978 0%, #ff922d 100%);
  --blue: #4066ff;
  --lightBlue: #eeeeff;
  --shadow: 0px 23px 21px -8px rgba(136, 160, 255, 0.25);
}

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: "Poppins", sans-serif;
  scroll-behavior: smooth;
}
.wrapper{
  background-color: white;
}
a {
  color: inherit;
  text-decoration: none;
}
.paddings {
  padding: 1.5rem;
}

.innerWidth {
  width: 100%;
}

.flexCenter {
  display: flex;
  row-gap: 2rem;
```


Users > aj868 > OneDrive > Desktop > Full-stack-real-estate-youtube > client > src > main.jsx > ...
ZainRk, 4 months ago | 1 author (ZainRk)
import React from "react";
ZainRk, 5 months ago • properties page done
import ReactDOM from "react-dom/client";
import "./index.css";
import App from "./App";
import { Auth0Provider } from "@auth0/auth0-react";
ReactDOM.createRoot(document.getElementById("root")).render(
<React.StrictMode>
<Auth0Provider
domain="dev-03ifqltxbr6nn0hn.us.auth0.com"
clientId="RXlGXkr49Ev5MHpvAC6vKkZ
Follow link (ctrl + click)
authorizationParams={{
redirect_uri: "https://full-stack-real-estate-youtube-sooty.vercel.app"
}}
audience="http://localhost:8000"
scope="openid profile email"
>
<App />
</Auth0Provider>
</React.StrictMode>
);


nst formattedCountries = countries.map((country)=> ({
value: country.name.common,
label: `${country.name.common} ${country.flag}`,
latlng: country.latlng,
region: country.region
)
nst useCountries = ()=> {
const getAll = ()=> formattedCountries;
return {getAll}
port default useCountries


Users > ajoo8 > OneDrive > Desktop > Full-stack-real-estate-youtube > client > src > hooks > useFavourites.jsx > ...
ZainRk, 5 months ago | 1 author (ZainRk)
import React, { useContext, useEffect, useRef } from "react";
ZainRk, 5 months ago • add property modal done
import UserDetailContext from "../context/UserDetailContext";
import { useQuery } from "react-query";
import { useAuth0 } from "@auth0/auth0-react";
import { getAllFav } from "../utils/api";
const useFavourites = () => {
const { userDetails, setUserDetails } = useContext(UserDetailContext);
const queryRef = useRef();
const { user } = useAuth0();
const { data, isLoading, isError, refetch } = useQuery({
queryKey: "allFavourites",
queryFn: () => getAllFav(user?.email, userDetails?.token),
onSuccess: (data) =>
setUserDetails((prev) => ({ ...prev, favourites: data })),
enabled: user !== undefined,
staleTime: 30000,
});
queryRef.current = refetch;
useEffect(() => {
queryRef.current && queryRef.current();
}, [userDetails?.token]);
return { data, isError, isLoading, refetch };
};
export default useFavourites;

```
import express from 'express';      ZainRk, 5 months ago • server without jwt
import dotenv from 'dotenv';
import cookieParser from 'cookie-parser';
import cors from 'cors';
import { userRoute } from './routes/userRoute.js';
import { residencyRoute } from './routes/residencyRoute.js';
dotenv.config()

const app = express();

const PORT = process.env.PORT || 3000;

app.use(express.json())
app.use(cookieParser())
app.use(cors())

app.listen(PORT, ()=> {
    console.log(`Server is running on port ${PORT}`);
});

app.use('/api/user', userRoute)
app.use("/api/residency", residencyRoute)
```


Homyz
Properties
Contact
Add Property
A
Discover Most Suitable Property
Find a variety of properties that suit you very easilty
Forget all difficulties in finding a residence for you
Search by title/city/coun
Search
9,000 +
Premium Product
2,000 +
Happy Customer
28 +
Awards Winning

Homyz

Properties Contact Add Property A

X

1 Location
Address

2 Images
Upload

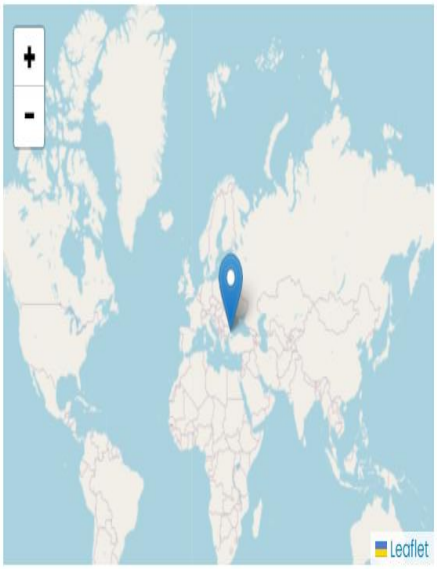
3 Basics
Details

4

Country *

City *

Address *




Next Step

# CHAPTER -5

# CONCLUSION

In conclusion, the evolution of real estate websites continues to reshape the way properties are discovered, bought, and sold. Despite the advancements, several critical areas demand attention for these platforms to truly excel. Ensuring transparency in property listings, bolstering trust through robust verification mechanisms, and enhancing the user experience by introducing interactive tools for seamless communication among stakeholders are pivotal. Moreover, the integration of cutting-edge technologies like virtual reality, AI-driven analytics, and personalized recommendation engines can elevate these platforms, empowering users with data-driven insights for informed decision-making. Embracing innovation while maintaining a user-centric approach will redefine the landscape, fostering a more efficient, transparent, and trustworthy environment for real estate transactions. Ultimately, bridging the gaps in current offerings, enhancing authenticity, and providing comprehensive, user-friendly experiences will solidify the role of real estate websites as indispensable tools in the property market.

# REFERENCES




## HTML:

1. **MDN Web Docs (Mozilla Developer Network)**:
   - HTML Basics
2. **W3Schools**:
   - HTML Tutorial
3. **HTML Dog**:
   - HTML Beginner Tutorial

## CSS:

1. **MDN Web Docs**:
   - CSS Basics
2. **W3Schools**:
   - CSS Tutorial
3. **CSS-Tricks**:
   - CSS-Tricks Almanac
   - Bootstrap.

## JavaScript:

1. **MDN Web Docs**:
   - JavaScript Guide
2. **W3Schools**:
   - JavaScript Tutorial
3. **Eloquent JavaScript** (Book by Marijn Haverbeke):
   - Eloquent JavaScript Online Book
4. **You Don't Know JS** (Book Series by Kyle Simpson):
   - You Don't Know JS Series

**Version Control (Git):**

Git documentation: https://git-scm.com/doc

**UI/UX Design Tools:**

Figma: A collaborative interface design tool: https://www.figma.com/

Sketch: A design toolkit: https://www.sketch.com/

Mocha: Testing framework for Node.js: https://mochajs.org/