REPORT

On

DIVT
“(Multipage Responsive Vogue Website)”

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ABSTRACT

We often listen this quote “first impression is the last impression”,why is it so.?No matter where we go the one thing which is always with us is our personality.Our unique personalities can be viewed by our various factors like values, behaviour,characteristics,emotional patterns etc. but most commonly we’ll see dress sense of a person first and make a prior image of that person, that’s why we often say- The first impression is the last impression.When we want to know something like our faceshape or skintone it is hard to get exactly what we wanted under one site, we wasted our precious time scrolling on internet and not get proper advice or if we get something that generally don’t suits us and we get disappointed by thinking that things looks good on internet but not in reality. Style is the only thing you can’t buy. It’s not in a shopping bag, a label, or a price tag. It’s something reflected from our soul to the outside world ,it is necessary to understand the basics first.

DIVT which is responsive vogue website,**It is all about to guide you not to change you**. What you wear is how you present yourself to the world, especially in today’s era when human contacts are so quick it is important to carry ourselves with grace. Everyone has the beauty,but not everyone can see it ,This website serves to enhace existing style and guide them what is suitable for them. A proper guide for one’s style.In this website we have different section according to one preference and they can select as per their choice.Also,if someone want to know their faceshape,bodyshape, skintone they can find it under one site. Quick styles for seasons are also there. To make website more readable through different devices, we add responsive feature on it.Webiste have combination of light colours which gives soothin effect. In this website colour combination also available, one can find out which colour goes with which one.User only have to go on website and click on subjects they want to know.

TECHNOLOGY USED – HTML,CSS,JAVASCRIPT ETC

REQUIREMENT OF THIS WEBSITE

Hardware - Devices having screen resolution>300px

Browser - Internet Explorer/GoogleChrome/Firefox

Processor - 1,6GHz CPU , **Software** – Windows,Mac

Storage –Min 512mb ram

Introduction

In the dynamic world of fashion, where trends evolve and styles change at the blink of an eye, there's a constant need for a platform that not only captures the essence of these changes but presents them in a visually captivating and accessible manner. Welcome to the Responsive Vogue Website, where the latest fashion trends, articles, and imagery come to life on any device, from the sprawling desktop screens to the sleek touchscreens of mobile phones. Our objective is to create an engaging online hub for fashion enthusiasts, where they can explore the most current vogue, style their looks and immerse themselves in the world of haute couture. With the power of HTML, CSS, and JavaScript, we're bringing together the art of web development and the elegance of fashion into a seamless experience that adapts effortlessly to the user's device.

We all are familiar with numerous websites, but what are difference between them. The difference between them are their representation, content, colour coordination and most important their responsive nature. Here, DIVT – Responsive multi-page website focusing on each aspect of a good website. DIVT which is responsive vogue website, It is all about to guide you not to change you. Using the fundamental web technologies of HTML, CSS, and JavaScript. This project serves as a hands-on opportunity to serve into the world of web development and user interface design, providing a platform to modify skills in building interactive and responsive web applications. By this exciting journey, we aim to not only gain a deeper understanding of how a website look like but also to focus on key features that users love and expect from a modern responsive website.

This project is a gateway to expanding our skills in web development, offering a platform to explore the integration of various skills. This project's scope goes beyond just code; it allows us to understand the principles of data flow, user experience design, and the art of creating a dynamic and responsive web application. Through the combination of HTML, CSS, and JavaScript, we'll craft a website that not only showcases our skills but also brings the joy of styling to our fingertips. Get ready to dive into the captivating world of this website using HTML, CSS, and JavaScript, and let's create something beyond our imagination.

By embracing the principles of responsive design, we ensure that our website is not confined to a single screen size or device type. Whether you're browsing on a widescreen monitor, a tablet on the go, or simply scrolling through your smartphone during a quick break, the Responsive Vogue Website will look stunning, with an intuitive layout that adjusts to fit your screen. Join us on this journey as we harness the capabilities of HTML for structure, CSS for style, and JavaScript for interactivity. Together, we'll create a digital fashion heaven that not only showcases the beauty of the fashion world but also demonstrates the power of modern web technologies. Get ready to dive into the realm of vogue, where elegance meets responsiveness, and fashion meets the web!

Objectives

- **Seamless Responsiveness**: The primary objective is to ensure that the Vogue Website is fully responsive and functions flawlessly across a range of devices, including desktops, tablets, and smartphones. By employing responsive design techniques, the website will adapt its layout and content, providing an optimal user experience regardless of the device being used.

- **Visual Elegance:** The project aims to create an aesthetically pleasing website that aligns with the fashion-forward vogue theme. By utilizing CSS, the website will be styled with a modern and elegant design, using appealing typography, harmonious color schemes, and graceful transitions to capture the essence of the fashion world.

- **Multi page Interactivity and Engagement:** JavaScript will be leveraged to introduce interactive elements that engage users. Incorporating features like image sliders, dynamic content loading, smooth animations and the website will foster active user participation, making the browsing experience enjoyable and immersive.

- **Efficient Navigation:** User-friendliness is crucial. The project aims to provide intuitive and efficient navigation, allowing users to easily explore different sections of the website. A clear and well-structured menu, smooth scrolling, and effective placement of navigation elements will make it easy for users to find the latest fashion trends and images.

- **Optimized Performance:** The website will be optimized for optimal performance, focusing on fast loading times and minimal resource usage. Through image optimization, code minification, and other performance best practices, the website will deliver a swift and responsive experience to users, keeping them engaged without frustrating delays.

- **Learning and Skill Development:** Utilize this website as a learning platform to enhance web development skills, gain practical experience in working with web skills, solidify knowledge in HTML, CSS, and JavaScript, and further understanding of responsive design principles, fostering continuous growth and improvement within the realm of web development.

Project Category: Fashion and Lifestyle Web Development

The project falls under the category of "Fashion and Lifestyle Web Development." It combines the creative aspects of fashion with the technical expertise of web development to create an engaging online platform. By utilizing HTML, CSS, and JavaScript, the project aims to design a visually appealing and responsive website that showcases the latest fashion trends, articles, and images. The fusion of fashion aesthetics and web development skills makes it a unique project at the intersection of style and technology.

Also, this project combines the art of web development, including HTML, CSS, and JavaScript, with the engaging domain of vogue, creating a comprehensive platform that mirrors the user experience of a latest trends. By integrating responsive design principles, divt delivers a seamless and interactive web application where users can search, style their looks, manage outfits, and explore a wide array of trends, all while exploring through website.By this website we enhance our web development skills and understanding of data integration within a real-world context.

Existing Method: Non Responsive Method

I've thought a lot about why responsive design is so crucial today. There are plenty of opinions out there. To really get at the answer, I think it would be helpful to first look at a definition of responsive design.

> In a nutshell, responsive design is a framework for giving users the optimum experience for viewing your website no matter which device they are using.

What this means is that content--text, images, videos, etc.--adjust to optimally fit on any tablet or smartphone. It saves the mobile device user from the inconvenience of having to scroll horizontally, zoom in, and so on to get at the content they're after which can be frustrating.

It's not about the mobile devices. It's about the user plain and simple. When so focused on optimizing websites for mobile devices, it's easy to forget about the user. Having to work to get at content can be incredibly aggravating. But users will stay the course, right? Wrong. Mobile users will bounce from your non-responsive website to your competitor's faster than a hot knife goes through butter. So the customer that could have been yours, is now theirs.

So how do you ensure a good user experience?

First of all, having a responsive design doesn't mean your website is optimized for mobile devices. You can implement a responsive design, but you need to test every single page, image, etc. to make certain it renders beautifully on any device or screen size. It's the only way to ensure a good user experience. A beautiful page layout can still look bad on mobile devices. Every aspect of your chosen design should be tested for, and dictated by the user experience.

Another big challenge is speed. Mobile device users will leave your website after five seconds of not getting what they want. Slow loading times, which can be a problem for responsive websites, are caused by the practice of loading all content--text, images, carousels, and so on--at once. You need to understand what your user wants from a page, and load that content first. Another simple way to ensure a good user experience is to make it readable. Just this morning I visited a website on my iPhone

And if you are going to ask users to give you information, make it easy for them to do it.See a theme here? Keep your focus on the user at every step when creating a responsive design. Use analytics to understand user behaviors and desires, and test test test every page to ensure your responsive website gives them the mobile experience they are after, regardless of device used. If you follow these simple steps, your responsive website will have a bright future.

Tools/Platform Hardware & software requirements

Tools/Platform:

- Code Editor [Recommended: Visual Studio Code, Sublime Text, Atom, or any preferred code editor.]
- Web Browser [Recommended: Google Chrome, Mozilla Firefox, Microsoft Edge, Safari (for macOS)]
- Internet Connection: [Required for accessing external resources]
- Optional Graphics Editing Software: For creating custom images, icons, or design elements. Examples: Adobe Photoshop.
- Version Control (Optional, but Recommended):
- Git (for managing version control).
- Hosting: Platforms like GitHub, GitLab, or Bitbucket for code repository management and collaboration.

Hardware Requirements:

- Computer: A modern computer (laptop or desktop) with sufficient processing power for web development tasks. Recommended: Multi-core processor, at least 4GB of RAM, and SSD for faster development.
- Display: A display with a minimum resolution of 1280x800 for comfortable coding and testing.
- Input Devices: Keyboard and mouse (or touchpad) for code input and interaction with the development environment.

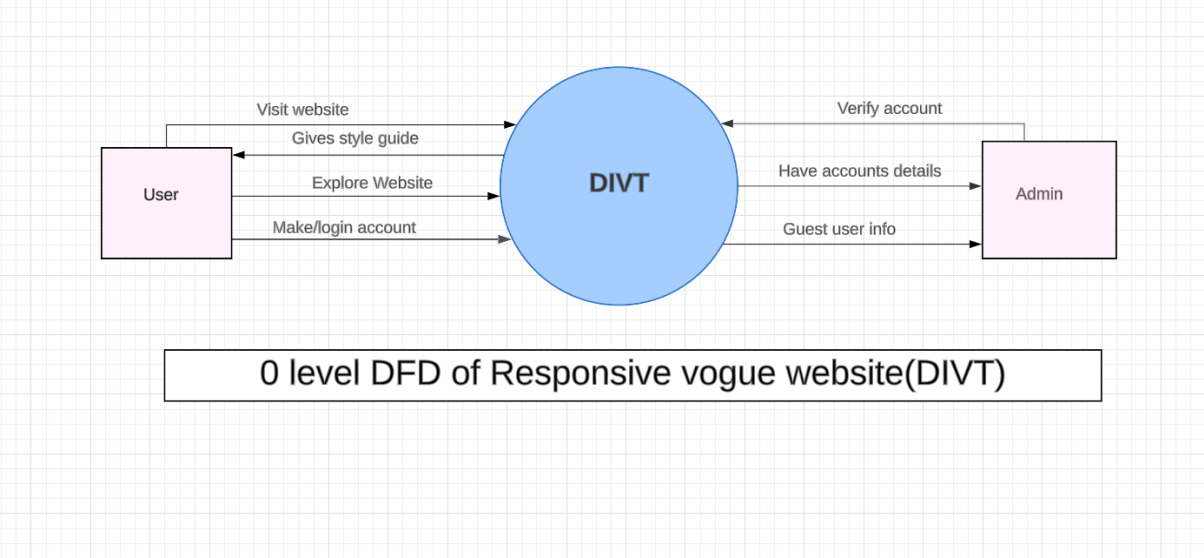
Software Requirements:

Operating System: No strict requirement, but a modern operating system is recommended (Windows, macOS, or Linux).

- Web Browser: Required for testing the application; ensure the latest version of browsers is installed.
- Security and Validation Tools (Optional): For checking security best practices and performing input validation checks.
- Responsive Design Tools (Optional): For responsive design considerations (e.g., CSS frameworks like Bootstrap).
- Local Web Server: Optionally, set up a local web server for testing dynamic features of the website, such as AJAX requests. Tools like XAMPP, WAMP, or Node.js can be used to run a local server.

Data Flow Diagram (DFD and ER diagram)

Data Flow Diagram (Level 0)



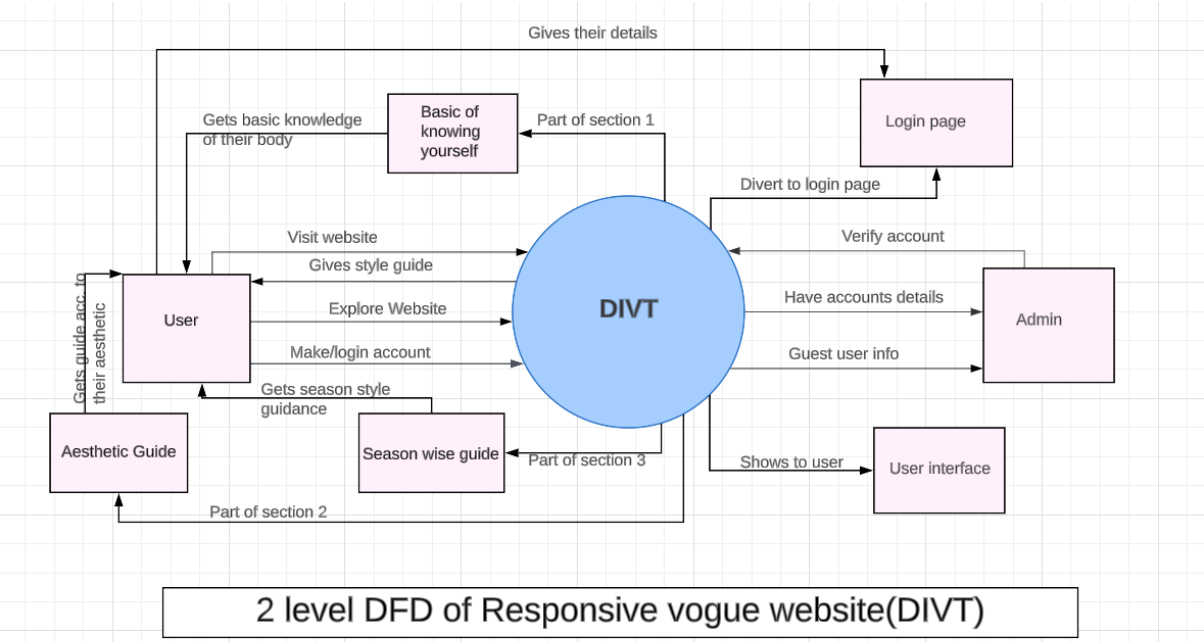
Explanation:

- The Level 0 diagram illustrates the high-level interaction within the Responsive Vogue Website.
- Users visits the website and explore according to their interest.
- The website is primarily composed of HTML and CSS for structuring and styling the content.
- Users create account or if they already have account then login.

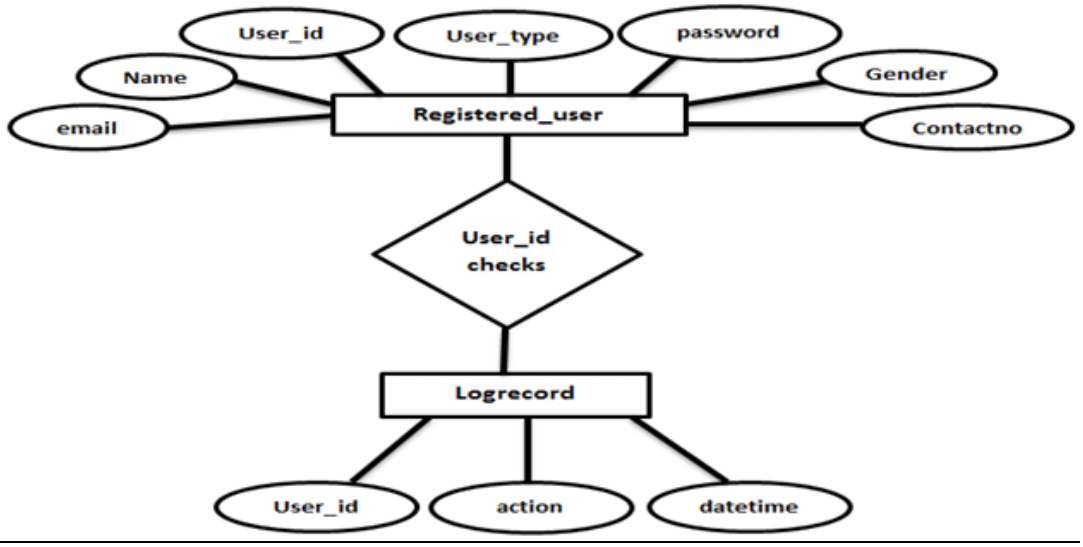
Data Flow Diagram (Level 2)

Explanation:

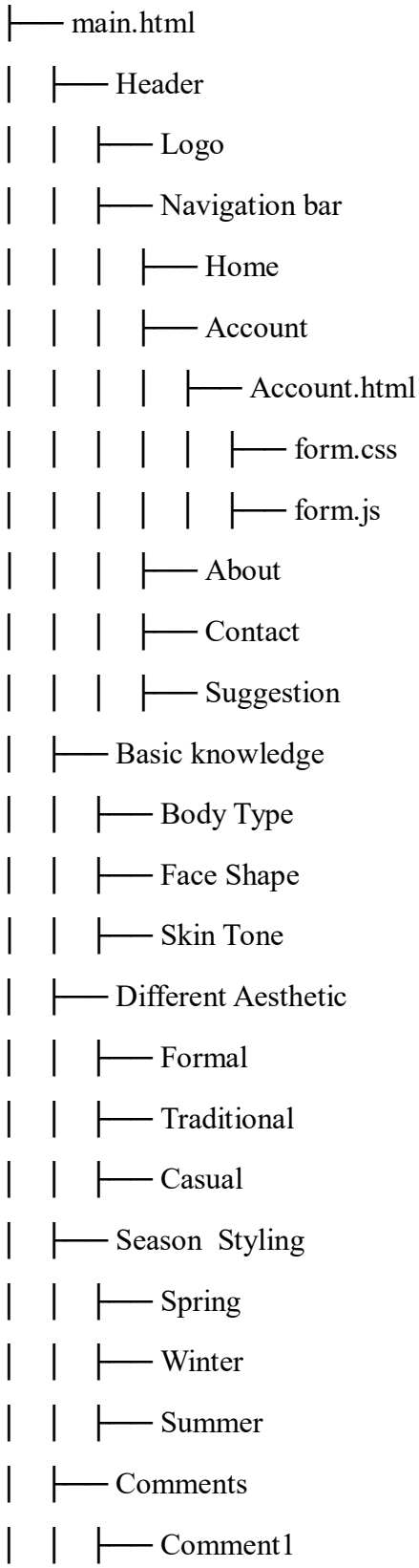
- The Level 2 diagram provides more detail on user interactions.
- Users can browse individual guide, basic concept and view pictorial style guidance.
- When viewing sections, users can see individual section within the website.



Entity Relationship Diagram



Complete Structure



```
│   │   ├── Comment2
│   │   ├── Comment3
│   ├── Footer
│   │   ├── Minute Info
│   │   ├── Copyright Info
│   │   ├── Links
│   │   ├── Made by
├── css
│   ├── Mstyle.css
├── js
│   ├── Libraries
│   │   ├── jQuery (if used)
│   │   ├── Bootstrap (if used)
├── responsive
│   ├── media_queries.css
├──Assets
│   ├── Libraries
│   │   ├── Images
│   │   │   ├── Display Photos
│   │   ├── Icons
└── functionality/
    ├── basic knowledge Module
    ├── Different Aesthetic Module
├── Season Styling Module
├── About Us Module
├── Login Module
```

Modules of the Project

The modules of this project, a multipage responsive website using HTML, CSS, and JavaScript, can be divided into distinct functional components. Each module focuses on a specific aspect of the application, making the project more manageable and enhancing code organization. Here are the key modules:

1. Navigation Module:

- Design and implement the website's navigation menu.
- Ensure responsive behaviour for different screen sizes.
- Include links to various sections (Home, Account, About Us, Contact, etc.).
- Implement a mobile-friendly navigation menu for smaller screens.

2. Home Page Module:

- Showcase user interface for the first time.
- Implement call-to-action (CTA) buttons to other pages.
- Create an engaging layout using HTML, CSS, and JavaScript for animations.

3. Responsive Design Module:

- Implement responsive layouts using CSS and media queries.
- Test and ensure the website displays optimally on various devices and screen sizes.
- Ensure the navigation menu adapts for mobile screens.

4. Interactive Features Module:

- Implement interactive elements such as image sliders, carousels, or animations.
- Add smooth transitions or hover effects for buttons and images.
- If applicable, implement user interactions (e.g., liking or sharing articles).

5. CSS Styling Module:

- Define consistent styles for headers, paragraphs, buttons, and other elements.

- Choose typography that matches the fashion theme.
- Create a visually appealing colour palette.

6. JavaScript Functionality Module:

- Implement JavaScript for interactive features.
- Ensure smooth and engaging user interactions.
- Test the JavaScript components for reliability and responsiveness.

Data Modelling

This conceptual data model provides a basic representation of the data entities and their relationships in the Responsive Vogue Website. Keep in mind that the actual implementation might require additional attributes and considerations based on the specific features and requirements of the website. If you plan to handle user comments, categories, tags, or other data, the data model may need to be expanded.

1. User:

- Attributes: ID, Username, Email, Password ,Profile Picture URL, Registration Date.

-Relationships: A user can see multiple images.

2.Sections:

- Attributes: ID, Title, Content (HTML or plain text), Publication Date, Author (User ID).
- Relationships: One content can have multiple images associated with it.

3. Image:

- Attributes: ID, URL, Description.
- Relationships: An image can belong to multiple section.

Explanation:

1. **User Entity:**

- Represents registered users of the website.

- Users have unique IDs, usernames, email addresses, and passwords for authentication.

- Users can have a profile picture, and the registration date is recorded.

- Users can explore multiple section, establishing a one-to-many relationship between users and sections

(Userexploresection relationship, which is implicit).

2. **Section Entity:**

- Represents fashion content published on the website.

- Sections have unique IDs, titles, content (either as HTML or plain text), publication dates, and an associated author (a user).

- Section can have multiple images associated with them, creating a one-to-many relationship between sections and images.

3. **Image Entity:**

- Represents images associated with content.

- Images have unique IDs, URLs pointing to the image file location, and descriptions.

- Images can be related to multiple content, establishing a many-to-many relationship between content and images.

Security and Validation Checks

1. Data Validation:

- Client-Side Validation: Implement client-side validation using JavaScript to validate user inputs in real-time. This includes checking for valid email formats, required fields, input length, and other relevant constraints before data is submitted.

- Server-Side Validation: Perform thorough validation on the server-side to prevent potential vulnerabilities from malicious users bypassing client-side validation. Check for data integrity, sanitize inputs, and ensure that data conforms to the expected format and range.

2. User Authentication and Authorization:

- Password Hashing: Safely store user passwords by using cryptographic hashing algorithms (e.g., encrypt) to hash and salt passwords before storing them in the database.

-User Roles and Access Control: Implement role-based access control to differentiate between user roles (e.g., regular users, administrators). Ensure that only authorized users can access specific sections or perform certain actions.

3. HTTPS and Data Transmission Security:

- HTTPS: Ensure that the website uses HTTPS to encrypt data transmission between the user's device and the server, providing a secure connection and preventing data interception.

- Secure Forms: Ensure that sensitive user data, such as login credentials and contact form submissions, are transmitted securely over HTTPS.

4. Cross-Site Scripting (XSS) Prevention:

- Sanitize User-Generated Content: Any user-generated content (e.g., comments, user profiles) should be sanitized to prevent the execution of malicious scripts or code injection.

- Content Security Policy (CSP): Implement a CSP header to restrict the sources from which the website loads scripts, styles, and other resources. This can mitigate the risk of XSS attacks.

5. SQL Injection Prevention:

- **Parameterized Queries:** Use parameterized queries or prepared statements in the server-side code to prevent SQL injection attacks. Do not directly concatenate user input into SQL queries.

6. Secure Authentication:

- **Session Management:** Implement secure session management to handle user authentication and authorization. Use secure and HttpOnly flags for cookies.

7. Error Handling:

-**Detailed Errors:** While handling errors, provide user-friendly messages without revealing sensitive information about the system or database.

8. Regular Updates:

- Keep all software components (e.g., web server, libraries, plugins) up-to-date to mitigate potential vulnerabilities.

Scope of Future Application

1.User Accounts and Profiles:

- Implement a user registration and login system to allow users to create accounts.

- Provide personalized profiles where users can manage their preferences, saved articles, and liked content.

- Enable users to interact with each other through comments or discussion forums.

2. E-Commerce Integration:

- Extend the website to include an e-commerce section where users can purchase fashion-related products, such as clothing, accessories, or beauty products.

- Implement secure online payment options and a shopping cart feature.

3. User-Generated Content:

- Allow users to submit their fashion-related content, such as articles, photos, or fashion tips.

- Implement a moderation system to review and publish user-generated content.

4. Social Media Integration:

- Integrate social media sharing buttons to allow users to easily share articles, images, and other content with their social networks.

- Implement social media login options for a streamlined registration process.

5. Advanced Search and Filtering:

- Enhance the search functionality to allow users to search for specific fashion topics.

- Implement advanced filtering options to categorize content based on fashion styles, trends, or authors.

6.Mobile App Development:

- Develop mobile applications for iOS and Android platforms to provide a dedicated and optimized experience for mobile users.

- Ensure consistent branding and features across the website and mobile app.

7.Subscription Model or Premium Content:

- Introduce a subscription model that provides users with exclusive premium content, early access to articles, or ad-free browsing.

- Implement a secure payment system to manage subscription billing.

8. Multilingual Support:

- Expand the website to support multiple languages for international audience.

- Implement a language selector and provide translations for key content.

9. Event Promotion and Coverage:

- Provide coverage of major fashion events, such as runway shows, exhibitions, or launches.

- Promote fashion-related events, both online and offline, and offer detailed event information.

10. Analytics and User Insights:

- Integrate analytics tools to gather user data and insights.

- Use the data to improve content recommendations, user engagement, and website performance.

Conclusion

In conclusion, the development of the Responsive Vogue Website using HTML, CSS, and JavaScript has been a remarkable journey that has successfully merged the realms of fashion and technology. Our objectives were to create a visually stunning, responsive, and interactive platform that showcases the latest fashion trends and images, while also providing a seamless and user-friendly experience across various devices.

We've achieved this objective by implementing essential modules such as aesthetic functionality, sections controls, and image management. Our commitment to user interface design and responsive layouts has ensured that divt, is accessible across various devices, making it a versatile platform for Gen-Z enthusiasts to engage with their favourite looks on desktops, laptops, and mobile devices alike. This project has not only provided us with hands-on experience in web development but has also allowed us to appreciate creating a functional and user-friendly web application. As we've refined our HTML, CSS, and JavaScript skills, we've learned the importance of structured code, modular design, and responsive layouts.

Through the vision of mine, I have achieved these objectives, delivering a website that not only meets but exceeds the expectations of fashion enthusiasts and users who seek a sophisticated and engaging platform. We have crafted a dynamic and captivating experience that adapts gracefully to the diverse landscape of modern devices. The user-centric approach has been at the core of our design, ensuring that navigation is intuitive, content is easily accessible, and interactions are smooth. The responsive design not only meets the needs of today's users but also ensures that the website remains future-proof, accommodating new devices and screen sizes as they emerge.

Our dedication to security and validation has guaranteed the protection of user data and the integrity of the website. We have implemented best practices to prevent common security vulnerabilities, such as cross-site scripting, SQL injection, and unauthorized access, safeguarding the trust and privacy of our users. The journey does not end here. As we move forward, we envision expanding the website's scope, introducing new features, and embracing emerging technologies. The feedback from our users will be invaluable, guiding us to refine and enhance the Responsive Vogue Website further.

I am proud of what I have accomplished, creating a fashion haven that brings together elegance, style, and technology. The Responsive Vogue Website stands as a testament to the capabilities of modern web development and the creativity that arises when fashion meets the web. As we continue to grow and innovate, we look forward to inspiring and connecting with fashion enthusiasts worldwide, providing them with a platform that truly embodies the spirit of vogue.

Thank you to my mentor and everyone who has been a part of this journey. The future is bright, and the Responsive Vogue Website is ready to set new standards in the world of digital fashion.