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SYNOPSIS

**ON**

**Blood Unity**

**Submitted By:**

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**Submitted To:**

Ms. Ruchi Talwar

**Title of the Project:**

Blood Unity Using E-Commerce

**Objective:**

To create a user-friendly and secure online platform that facilitates seamless blood donations, connecting donors with recipients in real-time, fostering a community-driven initiative to save lives while raising awareness about the importance of regular blood donations.

This objective highlights the key elements of the project, such as user experience, security, real-time connectivity, community engagement, and the educational aspect of promoting regular blood donations. Tailoring your objective to encompass these aspects can provide a solid direction for your project.

**Scope:**

Develop an accessible web platform facilitating user-friendly blood donation scheduling, real-time donor-recipient matching, and educational resources, prioritizing security and community engagement. The blood donation website serves as a central platform to raise awareness, recruit donors, and streamline the blood donation process. It provides essential information on eligibility, donation procedures, and health benefits, encouraging individuals to register and schedule appointments conveniently online. With a focus on social sharing, the website aims to create a community around blood donation, recognizing and appreciating donors while contributing to a steady and reliable blood supply for medical facilities.

**Methodology:**

We use HTML, CSS , Java Script as our main technologies and our other technologies are Mongo DB , React , Git Version.

**Proposed System:**

We are using Hardware and software

In Hardware we are using Laptops with following specification-

1. Windows 11 Home Single Language
2. 64-bit operating system, x64-based processor

In Software

1. Visual Studio Code
2. Git
3. Chrome Browser

**Features:**

1. User Registration:

* New users can register themselves by creating there account.

1. Location-Based Services:

* Incorporate a map feature to locate nearby blood donation centers and events.
* Provide details on operating hours and contact information.

1. About Us:

* This section is all about the work which we do and how we do it.
* This donation campaign is totally free of cost.

1. Get Help:

* If there is any issue or any user have any question regarding us and our campaign they can contact us my sending their name, email, phone number and a message that what they want to know more.

1. Volunteer Information:

* This section contains list of our super heroes who have donated there bloods to save some ones life.

1. Eligibility Checker:

* forum or chat where donors can connect, share Provide an interactive tool to check eligibility for blood donation based on factors such as age, weight, and health history.

1. Donor Community:

* Create a community experiences, and support each other.

1. Donation History and Badges:

* Display a donor's history of contributions.
* Award badges or recognition for reaching specific donation milestones.

**Implementation Plan:**

Provide an outline of the steps and timeline for project development. Include milestones and deadlines.

**Team Members:**

1. Kunika Agrawal
2. Raj Jakhad
3. Sourabh Vanshkar

**Resources Required:**

1. Web Developers and Designers:

* To build and maintain the website, ensuring it is user-friendly, visually appealing, and functional.

1. Content Creators:

* To generate informative and engaging content about blood donation, eligibility criteria, and health benefits.

1. Database Management System:

* Implement a system to manage donor profiles, appointment schedules, and other data.

1. Web Analytics:

* Integrate tools like Google Analytics to track website traffic, user behavior, and performance.

1. FAQs and Guides:

* Create easily understandable FAQs and guides for donors, addressing common queries.

**References:**

1. W3Schools:

* Description: W3Schools is an online learning platform for web development, offering tutorials, references, and examples on various web technologies such as HTML, CSS, JavaScript, and more.
* Strengths: Known for its simplicity and beginner-friendly approach, W3Schools provides hands-on examples and interactive coding exercises, making it accessible for learners of all levels.

1. MDN (Mozilla Developer Network):Description:

* MDN is a comprehensive resource provided by Mozilla, offering documentation, guides, and references for web technologies, including HTML, CSS, JavaScript, and web APIs.
* Strengths: MDN is highly regarded for its accuracy and depth of information. It serves as a reliable reference for both beginners and experienced developers, providing detailed insights into web standards and best practices.

**Expected Outcomes:**

The blood donation web project aims to increase donation rates via an intuitive platform, enabling swift donor-recipient connections, fostering community engagement, and ensuring robust security measures for user data, ultimately tracking and measuring the impact of contributions.

**Project Supervisor:**

Ms. Ruchi Talwar

**Conclusion:**

The blood donation web platform endeavors to revolutionize blood donation by providing a user-friendly interface, facilitating rapid donor-recipient connections, fostering community engagement, and ensuring data security, with the ultimate goal of saving lives and making a measurable impact on blood donation rates.