**FEDERAL UNIVERSITY LOKOJA**

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

**PROJECT PROPOSAL**

**TOPIC:**

**DEVELOPMENT OF A WEB THERAPY PLATFORM POWERED BY BLOCKCHAIN TECHNOLOGY AND FEATURING A PROGRESSIVE WEB APP INTERFACE.**

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# INTRODUCTION

Mental health is an important aspect of overall health and wellbeing. Online therapy, guidance, and counseling systems have become increasingly popular in recent years. These systems offer an accessible and convenient way for individuals to access mental health services from the comfort of their own home. Unfortunately, accessing mental health care can be difficult for some individuals due to various barriers such as geographical location, financial constraints, and social stigma. To address these challenges, we propose the development of a Web Therapy Platform powered by Blockchain technology and featuring a Progressive Web App interface.

## STATEMENT OF PROBLEM

Mental health issues are a growing concern worldwide, yet access to mental health services remains limited. Traditional therapy and counseling methods require individuals to attend in-person sessions, which can be difficult due to time constraints, distance, and other barriers. Additionally, existing online therapy and counseling systems often lack important features such as progress tracking and personalized content, making it difficult for individuals to track their progress and receive tailored support.

## OBJECTIVES

The objectives of this project are:

1. To create a secure and reliable Web Therapy Platform that offers a convenient way for individuals to access online therapy and counseling services.
2. To leverage the power of Blockchain technology to enhance data security, privacy, and trust in the platform.
3. To provide a personalized and customizable user experience through a Progressive Web App interface that is responsive across multiple devices.
4. To incorporate progress tracking features to enable users to monitor and track their mental health progress and receive personalized therapy sessions.
5. To contribute to the improvement of mental health care accessibility and quality by providing a valuable resource for individuals seeking mental health support.
6. To develop the system using JavaScript and related tools, with the goal of creating a high-quality and scalable platform that can be easily maintained and updated.

# METHODOLOGYS

To develop the Web Therapy Platform, we will use JavaScript and related tools such as Node.js and React. We will leverage the power of Blockchain technology to ensure the security and privacy of user data. Specifically, we will use a private Blockchain network to store and manage user data, ensuring that data is encrypted and only accessible to authorized users. We will also incorporate a Progressive Web App interface to ensure that users can access the platform from any device, without the need to download a dedicated app.

Development of a Web Therapy Platform powered by Blockchain technology and featuring a Progressive Web App interface will be divided into several stages:

1. Planning: In this stage, we will define the requirements for the system, including its features and functionalities.
2. Design: In this stage, we will design the system's user interface, data models, and API endpoints.
3. Development: In this stage, we will develop the system using JavaScript, Node.js, and MongoDB.
4. Testing: In this stage, we will test the system to ensure it is secure, reliable, and easy to use.
5. Deployment: In this stage, we will deploy the system to a live environment, such as a web server or cloud hosting platform.

# SCOPE

The Web Therapy Platform will enable individuals to access personalized and convenient online therapy and counseling services, with the added benefits of progress tracking and content customization. The platform will be accessible from any device with an internet connection, making it a convenient and accessible option for individuals who face various barriers to accessing traditional mental health services.

# CONCLUSION

In conclusion, the development of a Web Therapy Platform powered by Blockchain technology and featuring a Progressive Web App interface has the potential to revolutionize the mental health care industry. We believe that this project has great potential to improve mental health care accessibility and quality, and we are excited to work on its development.