# Study Spot Project

## Project Name

Study Spot

## What Will the Project Do?

Study Spot is an educational platform designed to facilitate learning and knowledge sharing. It offers a range of articles across various disciplines, such as Technology, Sports, Research, Programming Languages, and more. Users can read, publish, and manage articles, engage in discussions, and connect with a community of learners.

## Who Will Benefit From This Project?

This project will benefit students, educators, and anyone with a keen interest in learning and sharing knowledge in various domains, especially in the field of computer science and technology.

## What Data Will Be Saved in the Database?

- User Information (Name, Email, Password)  
- Articles (Title, Author, Category, Description, Content, Author Email)

## Easiest Part of the Project

The easiest part of the project is likely to be the user interface development for displaying articles, as it involves standard frontend development practices.

## Most Difficult Part of the Project

The most challenging aspect could be implementing and securing the user authentication system, ensuring data integrity, and managing the dynamic content flow from various users in real-time.

## Functional Requirements

* User Registration and Authentication: Users can register and log in to the platform.
* Article Publishing: Registered users can publish articles in various categories.
* Article Browsing: Users can browse articles by categories.
* Article Management: Users can edit or delete their articles.
* User Profiles: Display user profiles with their published articles.
* Content Filtering: Filter articles based on categories or search terms.
* Responsive Design: The platform should be accessible on various devices.
* Content Pagination: Implement pagination for article listing.
* User Feedback: Users should be able to provide feedback or contact through a form.
* Security: Secure user data and articles.
* Article Recommendation: Suggest related articles to users.
* Admin Panel: Admin users can manage all articles and users.

## Non-Functional Requirements

* Performance: The application should load content quickly and efficiently.
* Scalability: The system should handle a growing amount of work and concurrent users.
* Usability: The application should be user-friendly with an intuitive interface.
* Security: The application must protect user data and prevent unauthorized access.