**Project Name:** ASTA – Help users to informative article posted/written by professionals’ writers that signed-up the platform.

**Project Overview:**

ASTA is a web application designed to help researcher/readers to share information/article posted by professional writer or any experienced writer. User on this platform will be able to read, comment and react to post/article. Writer/poster will also be able to reply to comment in an interactive way.

This project aims to allow me to demonstrate my knowledge of HTML, CSS, Node.Js, Express, MySQL, etc.

**Functional Requirements**

1. **User Authentication with Address Verification:**
   1. Implement a user authentication system where users must verify their login credentials to interact on the platform.
   2. Ensure that only logged-in user can comment, react or write post on write post to the platform.
2. **Post**
   1. Allow logged-in user to post article
   2. Display recent posted article on the sidebar allowing users to clicked on and read.
3. **Profile**
   1. Display and allow user to view writer profile
   2. Allow user to follow writer (optional)
4. **Communication Tools (Optional)**
   1. Provide a real-time update without user needing to refresh the page to see another user reply to comment.
   2. Include options for private messaging or group discussion.

**Technical Requirement**

* **Frontend:** HTML, CSS3, Bootstrap
* **Backend:** Node.js, with Express, MySQL
* **Version Control:** Use Git for version control to manage changes
* **Deployment:** Deploy the application to a hosting service like Glitch, Railway, or Vercel ensuring it is publicly accessible.

**Additional Considerations:**

* **User Experience:** Design a simple, intuitive interface to make it easy for residents to report incidents and navigate the platform.
* **Testing:** Perform thorough testing to ensure the platform works as expected, especially in terms of user authentication and incident reporting. Test on different devices and browsers to guarante4e compatibility.
* **Documentation:** Provide clear and concise documentation explaining the project structure, functionality, and how to set up and run the app. Include comments, within the codebase to enhance code readability and maintainability.