Protocol Document

The system utilizes HTTP and TCP as the primary communication protocols. Requests are made over HTTP, with JSON as the data exchange format. Additionally, TCP is used for direct socket-based communication for the entire system

The browser client sends HTTP requests to the server using standard HTTP methods:

- **GET**: Retrieve data from the server.
- **POST**: Send data to the server.

The data sent to and from the server is through a data stream as is typical in a TCP communications protocol

The server responds with appropriate HTTP status codes and JSON-formatted messages for HTTP communication:

- **200 OK**: Successful request.
- **400 Bad Request**: Malformed request or missing parameters.
- **404 Not Found**: Requested resource does not exist.
- **500 Internal Error, Series**: An error occurred on the server.