

## REPORT

1. Your understanding and approach to the MongoDB schema design and API functionality  
I had to make a web app that had CRUD functionality on some assets and also had to make some functions that will analyse these data.

## CHALLENGES FACED

1. Asynchronous nature of FastAPI - A lot of error was due to the asynchronous nature of fast api. This means that the code may not be executed all sequentially but the framework will run the functions concurrently

This was causing some issue as some logic implemented in the code relies on previous logic. The solution was to use await keyword that blocks execution of the current coroutine until this awaited coroutine completes its execution

2. Error with authentication - when i tried to authorize with an in-valid API and made post requests, instead of displaying a proper error the frontend was showing error code 500. to fix this i imported `DecodeError` from `jwt.exceptions` and used a try-except block

3. Endpoints collision -

This was happening because the web app was considering some part of the request url was considered as path parameter. I fixed it by changing the ordering of endpoints and also by using unique endpoint names