

Interim Report

1. Current Progress of Internship Project

In the past month, I successfully developed a new endpoint used for regression testing, ensuring the stability and reliability of our application. Additionally, I debugged a previous endpoint that was causing errors, identifying and resolving the issues to improve functionality. I also worked on aligning backend error messages with the frontend, enhancing the user experience by providing clear and consistent error messages across different parts of the application.

2. Current Status of Self-Designed Objective

I have made significant progress towards my defined objectives. I have deepened my understanding of ASP.NET Core features such as dependency injection, middleware, and configuration. I have enhanced my skills in designing and optimizing SQL queries and database schemas to improve performance and scalability. Additionally, I have developed a strong grasp of writing effective unit tests, achieving higher test coverage, and using mocking frameworks like Moq. I have also learned best practices in RESTful API design, focusing on security, versioning, and documentation. Finally, I have improved my collaborative skills using version control systems like Git and actively participating in Agile development processes.

3. Problems and Challenges

One of the significant challenges I faced was debugging a previous endpoint that was generating errors. It required thorough investigation and understanding of the existing codebase, which was time-consuming and required patience and attention to detail. To overcome this, I systematically approached the problem by breaking it down into smaller parts and testing each component

individually. I also consulted with senior developers and reviewed documentation to gain a better understanding, which ultimately led to resolving the issue.