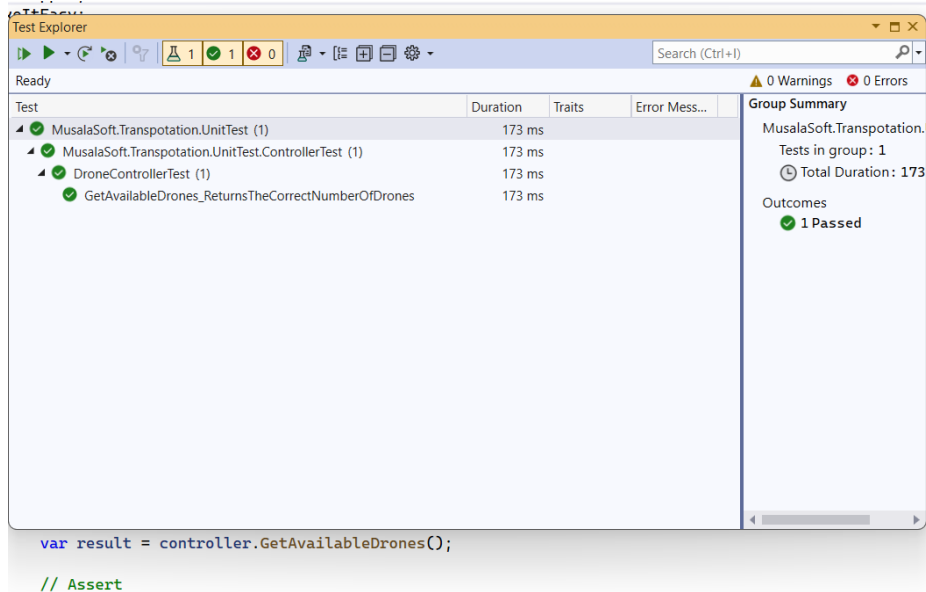




Technical Information

- ❖ .NET 6, Web API 2 project was used as executable web project. Entity framework was used with repository pattern for CRUD operations.
- ❖ I have handled the exceptions in API layer in a common way. There are multiple ways to do the exception handling using custom created exceptions.
- ❖ I have created a xUnit testing project and added testing method as per time limit.



- ❖ Is it possible to debug the API using postman too.
- ❖ Considering the drone capacity audit worker service, I have investigated and implemented it. Since there are only 10 fleet of drones it would take milliseconds to fetch the data. Of course, there should be more optimal ways like using queues to that need to be investigated and implemented. Within the time limit I have implemented a basic approach with a scope process.

- ❖ API Endpoint layer is properly commended and formatted with regions. It is required to do the same in all the classes.
- ❖ Here with I have attached some sketch sheets while I was architecting the project. Of course, there are modifications that were made while implementing. Please don't refer to it 100%. Please find them in Documentation > Planning folder.