API Testing

AWS amplify was used for our backend where we stored our data modelling, staging and projection database and GraphQL API. We first created dummy data to store in our local database and tested it with local hosts before the actual testing data was prepared. Postman was used during this process because it is convenient and easy for testing APIs. It allows us to create and save HTTP requests to our API and displays the response in a readable and clear format. The tests in postman were written in JavaScript.

After the testing data is prepared, we conducted testing by connecting to the staging database and querying by calling the API and database directly on AWS APP Sync. We tried to cover as many test cases as we can. We tested the return status code, JSON format, return JSON fields, and also conducted functional testing and performance testing.

After finishing all the tests, we run the tests using a tool called Collection Runner, it allows us to run a set of requests in a specified sequence and the returned result can be exported and saved in a JSON format.