**Overall Architecture**

**Diagram

Description automatically generated**

The RESTful architecture is used in the development of this project. A RESTful API, which is also referred to a RESTful web service or REST API is based on Representational State Transfer (REST).

This architectural style and approach are commonly used for communications often used in web services development; This style allows systems to request access and manipulate web resources by using a uniform and predefined set of rules, hence it was chosen for this project with a common agreement among the team.

This system basically consists of client who requests for the resources and server who consist of the requested resources and responds to those requests. In addition to accommodating direct requests, gateways can be used to invoke multiple back-end services and aggregate the results. Like almost all software, an API needs to reflect the needs of the humans who interact with it. An API is somewhat different from a GUI or other user interface because it interacts with the end user. This API merely expose database functions CRUD operations of Create, Read, Update, delete by those services.