Web Assign\_1 Question 3

Ans.

From my observations of KASB KTrade and Investify Applications; both applications use RESTful API to exchange information. This is evident from requests sent by the Application using different HTTP methods such as GET, POST etc.

Moreover, both systems utilize a microservices architecture. As it can be seen that the applications utilize the Firebase API for the login and sign up functionality, Google ads and Facebook API to display ads where necessary.

As these application follow a microservices architecture, it can be deduced that these applications scale well since load balancers can be used to distribute the incoming requests to different instances, each with a different responsibility with respect to the functionality the application provides.

While such an architecture provides scalability and if a fault occurs in a module, that specific module goes down instead of the whole application providing increased uptime, there can be complexities in integrating such a system. Such as a communication overhead to communicate between different services. And debugging and monitoring the fault can be complex if it occurs in the integration part of the different services. Latency can also be an issue if a service is slow to respond and the application is depending on that particular response.