

Q3

System Design, Software Architecture, Scalability and API:

KASB KTrade:

It is a web based trading platform.

It uses distributed architecture, load balancing and failover mechanism. Due to this it is scalable. Furthermore it is hosted on cloud which ensures the availability.

The software architecture is as follows:

- 1)The presentation tier (HTML, CSS, JavaScript)
- 2)The application tier (Java and Spring Boot)
- 3)Data tier (PostgreSQL).

It provides RestfulAPI which we can use to make our own trading apps.

The strengths are scalability, Good UI, availability, reliability and API. This API is well-documented and provides access to all platform features, including market data, order placement, and account management.

The weakness is it being expensive and offering less features as compared to others.

Investify:

It is a mobile based trading platform.

It uses distributed architecture, load balancing and failover mechanism. Due to this it is scalable. Furthermore it is hosted on cloud which ensures the availability.

The software architecture is as follows:

- 1)The presentation tier (Swift,Kotlin)
- 2)The application tier (Java and Spring Boot)
- 3)Data tier (PostgreSQL).

It provides RestfulAPI which we can use to make our own trading apps.

It does not provide public API for developers but we can do integration with TradingView and MetaTrader4.

The strengths are scalability, Good UI, availability and reliability.

The weakness is it does not provide public API for developers..