

## System Design, Software Architecture, Scalability, and API Overview:

### **KASB KTrade:**

KASB KTrade is a web-based trading platform known for its robust features. It employs a distributed architecture, load balancing, and a failover mechanism, making it highly scalable. Additionally, it is hosted on the cloud to ensure consistent availability.

The software architecture of KASB KTrade comprises three tiers:

1. Presentation Tier (HTML, CSS, JavaScript)
2. Application Tier (Java and Spring Boot)
3. Data Tier (PostgreSQL)

KASB KTrade provides a Restful API that empowers users to create their own trading applications. Notable strengths include scalability, a user-friendly interface, high availability, reliability, and a well-documented API that grants access to various platform features, including market data, order placement, and account management. However, it is important to note that KASB KTrade may be relatively expensive and may offer fewer features compared to some alternatives.

### **Investify:**

Investify is a mobile-based trading platform designed for flexibility and convenience. Similar to KASB KTrade, it utilizes a distributed architecture, load balancing, and a failover mechanism, making it scalable and highly available through cloud hosting.

The software architecture of Investify consists of three key tiers:

1. Presentation Tier (Swift, Kotlin)
2. Application Tier (Java and Spring Boot)
3. Data Tier (PostgreSQL)

Investify offers a Restful API for users to build custom trading applications. While it does not provide a public API for developers, it supports integration with popular platforms like TradingView and MetaTrader4.

Investify's strengths lie in its scalability, user-friendly interface, high availability, and reliability. However, a notable weakness is its lack of a public API for developers, which might limit customization options compared to platforms that offer such APIs.