

Given:

- There are three JSON files with unique data formats: exchange.json, metadata.json, and candle.json.
- Each of the three formats has different data structures based on the financial instrument types, which include:
  - o Stock
  - o Cryptocurrency
  - o Exchange traded commodity
  - o Exchange traded fund
  - o Fund
  - o Index
  - o Commodity
  - o Mutual fund
- The unique ID for each financial instrument can be either the symbol or the ISIN.

Instructions:

- Your task as a developer is to independently design and develop a local (German) website that can display each financial instrument with an **optimal UI/UX design**.

Requirements:

- Host the created files on GitHub and send me an invite access to the repository.
- Dockerize the complete application using Docker and Docker Compose.
- Ensure that your code adheres to industry best practices, follows proper design patterns, and is well-structured, readable, and maintainable.
- Implement unit tests and demonstrate a solid understanding of **test-driven development principles**.
- Optimize the application for performance and scalability, considering potential future growth and increasing data volumes.
- You are allowed to add multiple technology stacks to your Docker Compose file. For example, if you need an RDBMS or an in-memory database like Redis, feel free to include them.
- Demonstrate proficiency in version control using Git and set up a CI/CD pipeline on GitHub that automatically builds and deploys the application whenever code changes are committed.
- Provide comprehensive documentation, including a README.md file in the repository, with project information, technical specifications, and instructions for executing the application.