

hElpp: a crypto market developed in java

hElpp is a fictional crypto market where users can buy and sell cryptocurrencies with real-time data updates on prices

Software Requirements: java 19 installed.

Hardware Requirements: no particular hardware required to run this application

Related Systems:

Etoro, bitstamp

pros: more functionalities, more secure, better ui

cons: ...

User Stories:

1) As a crypto investor, I want to browse a variety of cryptocurrencies and their current market prices, so that I can make investments based on real-time data

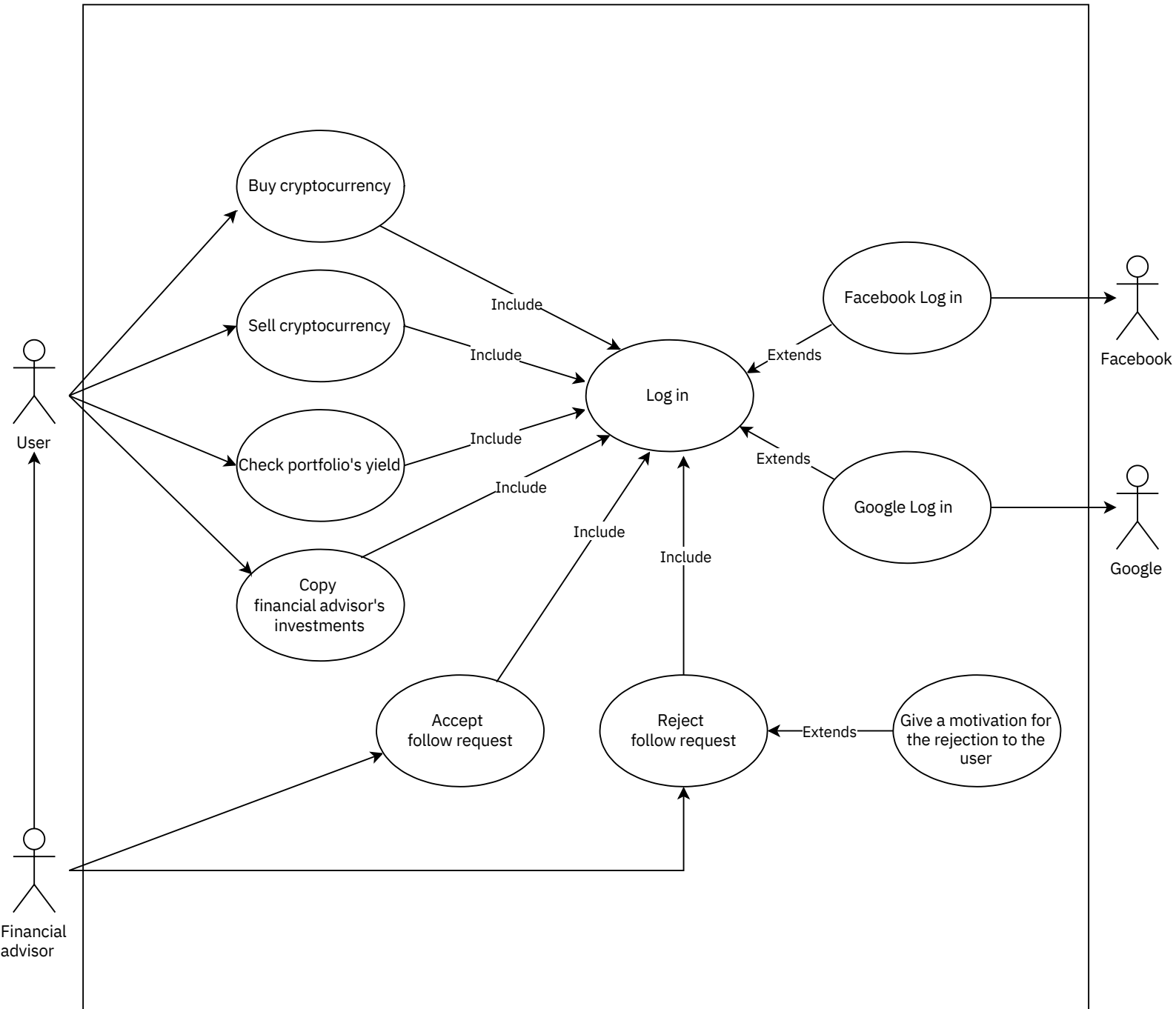
2) As a crypto holder, I want to monitor the cryptocurrencies that I own, so that I can keep a close watch on my investments

3) As a financial advisor, I want to have followers who view and copy my investments, so that I can grow in popularity and reputation

Functional Requirements:

- 1) The system shall provide multiple payment methods for purchasing cryptocurrencies, such as credit/debit cards and bank transfers
- 2) The system shall display a list of available cryptocurrencies along with their current market prices
- 3) The system shall check the user's funds before proceeding with purchase and withdrawal operations

Use Case Diagram



StoryBoards

Login Page

Username:

Password:

Log in

Don't have an account? Register

Main Menu Page

Profile

Balance: 1000 €

Buy Crypto

Portfolio

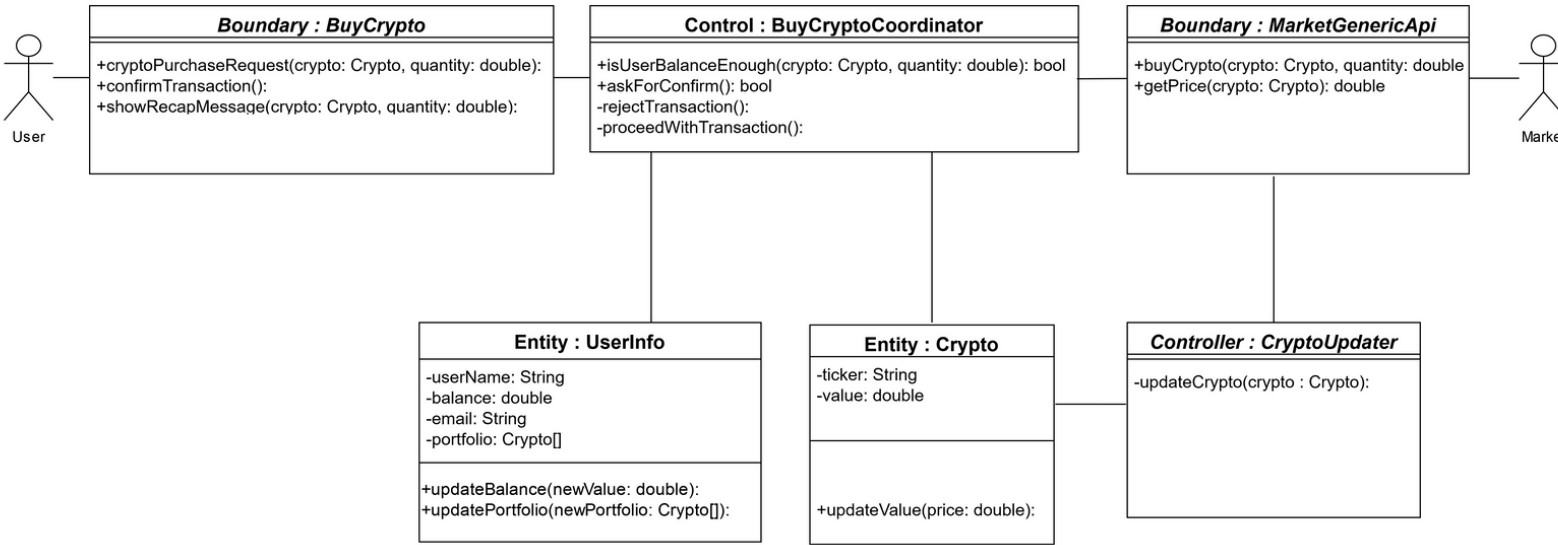
Deposit

Withdraw



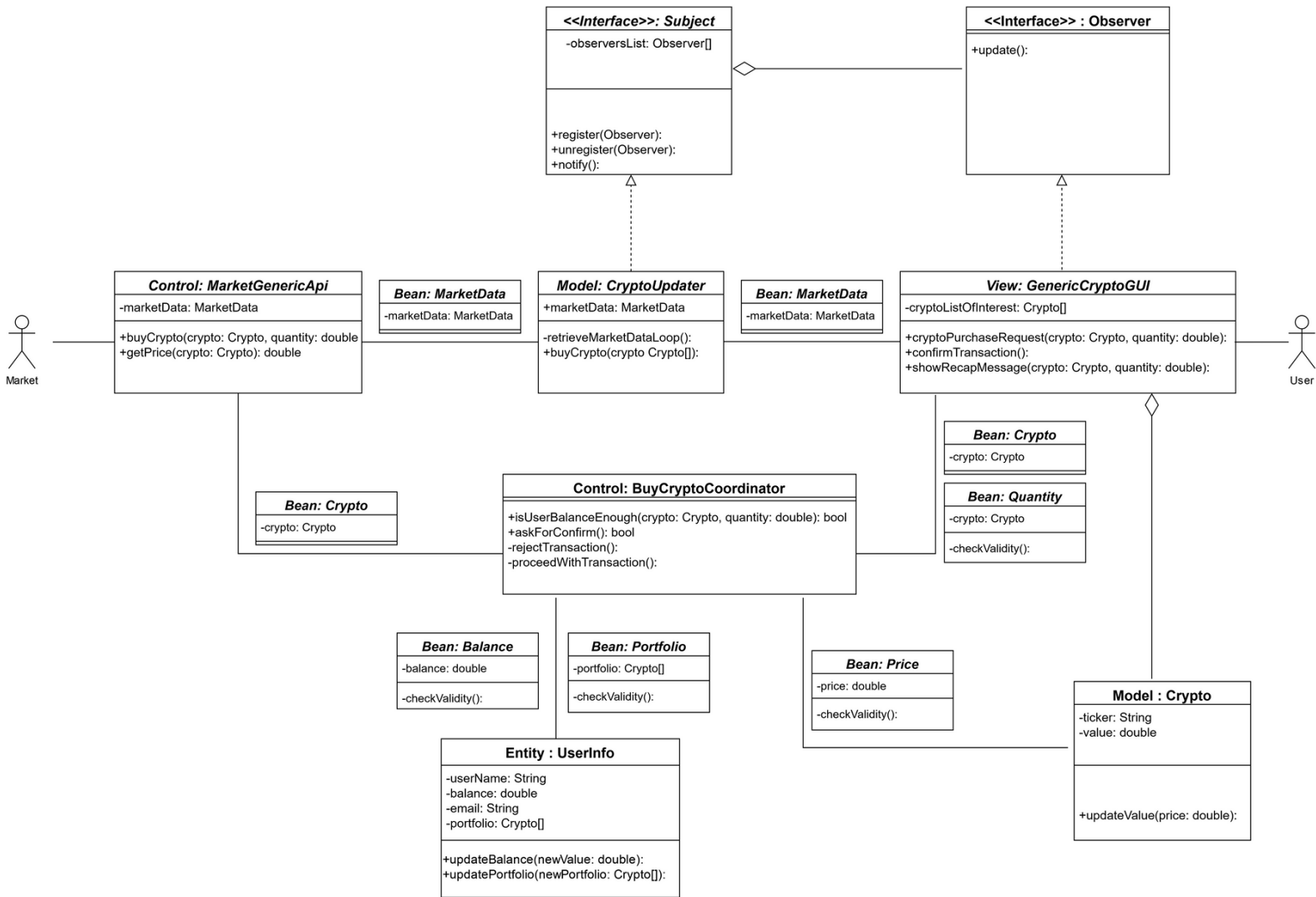
hELPP

Bce diagram



Mvc diagram

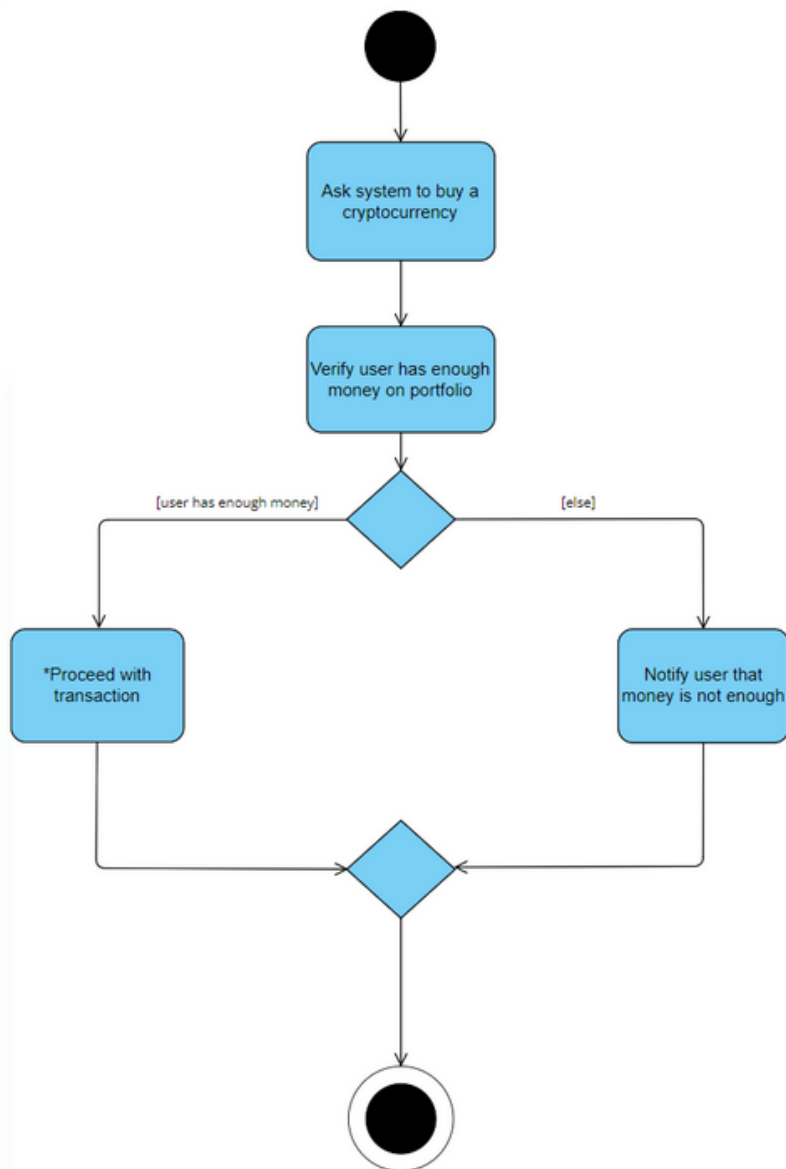
Primary pattern: Observer



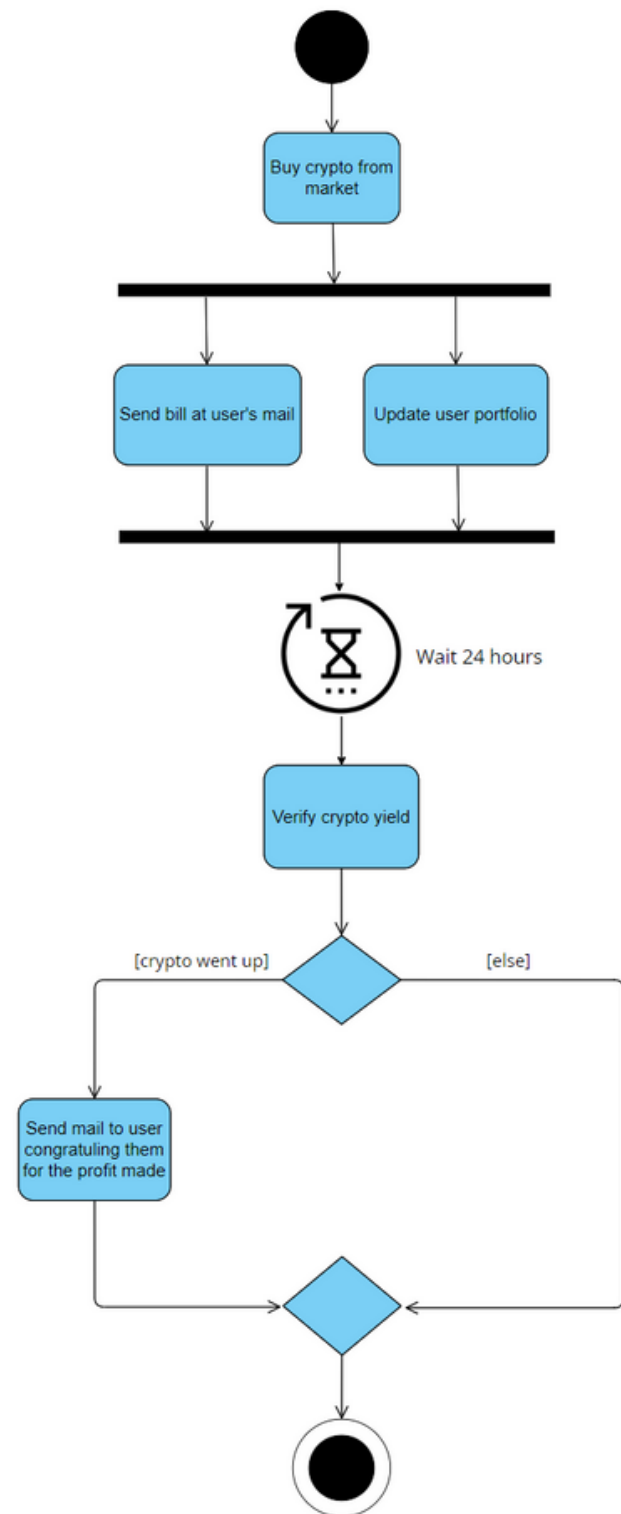
Secondary patterns used: Strategy, Singleton
(in the project, not shown in this diagram)

Activity diagram

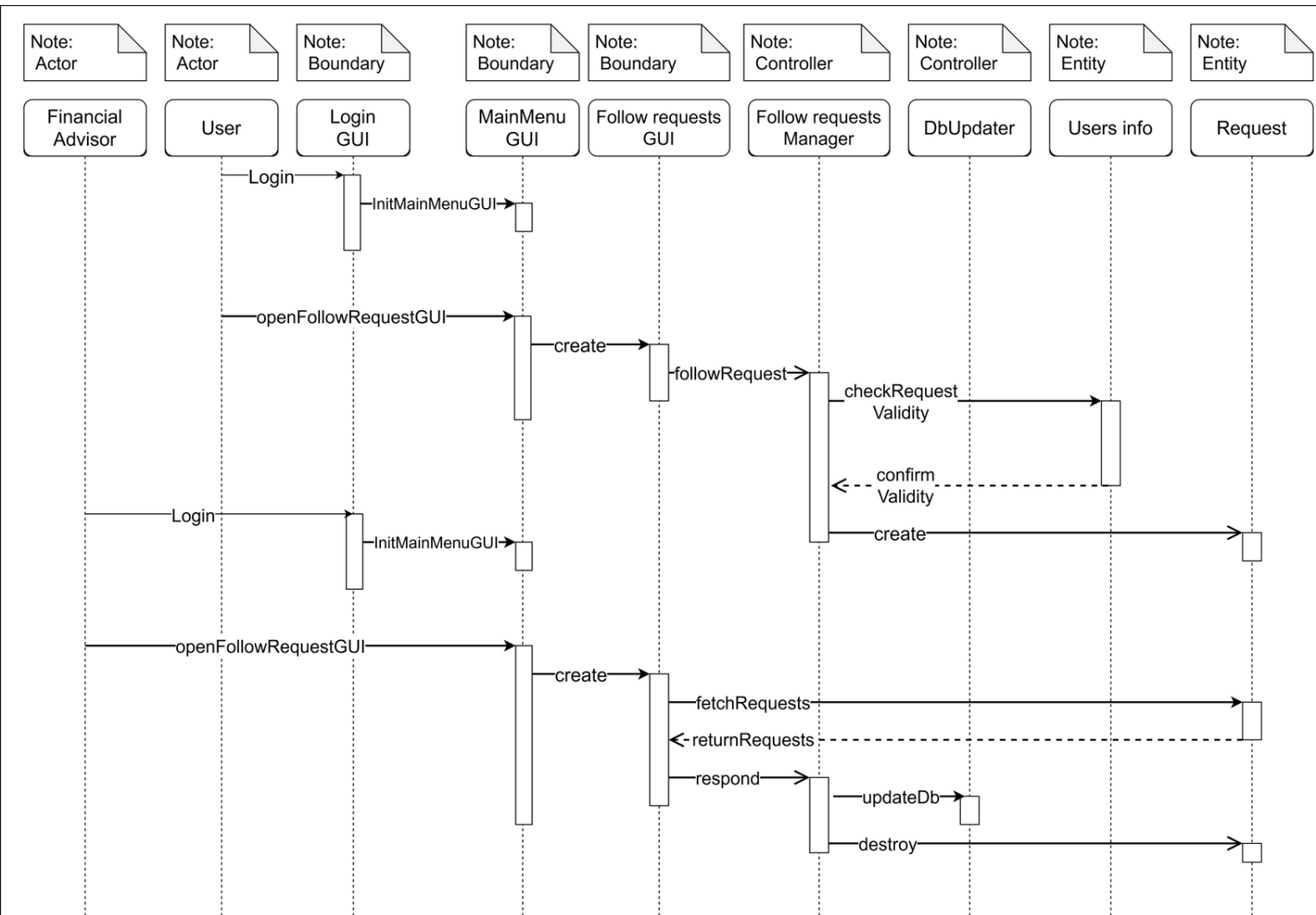
Use case: buy crypto



Proceed with transaction



Sequence diagram



State diagram

