Create application to notify when Bitcoin price has changed above some limit.

Use one of bitcoin exchange libraries alike <https://github.com/knowm/XChange> to fetch market data.

User can set limits to be notified when price goes above.

This task should be split on Client and Server components.

But it does not mean you need to create nice Human user interface.

It is fine to create command line client for this task as well as it is fine to have it in Web UI without any styling.

Interface between client and server:

* HTTP PUT /alert?pair=BTC-USD&limit=500 - sets alert to happen when price goes above a limit
* HTTP DELETE /alert?pair=BTC-USD&limit=500 - remove alert
* WEB-SOCKET /alerts - receive stream of events(when price goes above limit) happened, including currency pair, limit and timestamp in message

Yes, it is strange to do WebSockets from CLI, but we want to focus on check distributed programming skills rather than doing UI.

Solution should have enough unit tests to judge how you usually deal with it and at least one integration test.

Integration test should simulate access to your bitcoin exchange(XChange). It should be possible to run all tests without external network connectivity.

In case of any uncertainty please make a decision by yourself and explain rational to us.