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Retrospective Sprint 3

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What worked well?

Major work has been done! This has truly been a productive sprint.
We have completed the ETL, version 1. It is started in the Erlang shell and data fetching is started with one simple message and then fully automated.
The database works properly and supports updates of existing documents to allow multiple entries for each stock. For the moment we have settled for one data source fetching data from Nasdaq to focus more on the entire sequence.

Additional sources will be implemented in sprint 4, although we have found huge limitations in what stock attributes they provide.

Our PHP interface, allowing front end interfaces to request data via http request has been abandoned simply because CouchDB already provides REST access via http.

Therefore, our data loader will fetch data directly from Couch's REST interface.

Interface prototypes has also been created for the mobile and we application.

What can be improved?

We have found some constraints in our current source. When making full use of Erlang, spawning one process for each stock available (around 3000), our connection is closed remotely. We will try to find a workaround for this and limit ourselves to 10-20 processes and carry out some testing. Fetching time can then be enormously reduced.
At the moment we have to go through the list of stock tickers iterative which brings the risk to close down the entire process if one stock goes wrong.

We shall also find a way to write errors to a logfile to be able to pinpoint which stocks is not fetched correctly and further more to try those stocks again.