Group name: Adapa
Student names: Carl Berglund, John Burchell, Ludvig Gee, Michael Thompson, Nico Boh,
Patrik Bäckström.
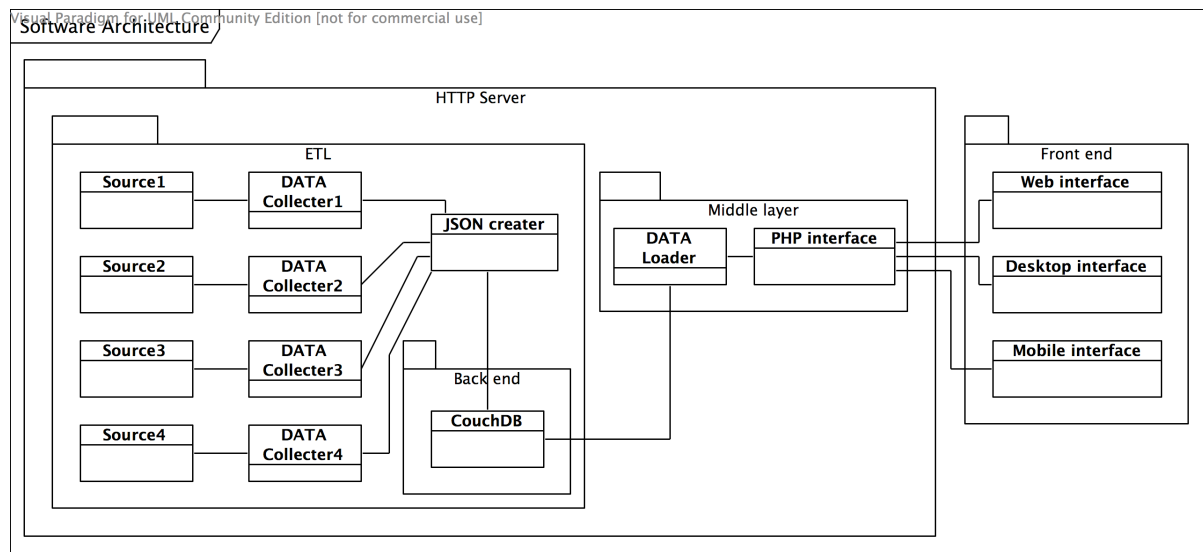Scrum-master email: gusbacpa@student.gu.se

Design Document

Supervisor: David Gregory

We will develop a tool that collects data about stocks from different stock markets. Data will
be fetched automatically when the markets are open and trimmed to suit our needs because
we do not see a point in collecting huge amounts of data (raw data/big data) that we do not
use.
Data should be viewable on three different platforms and programming languages are not yet
fully decided.

ETL and back end
Presumably four different collectors will be developed, depending on what output our sources
can generate. Collected data will be parsed through a JSON creator to to have the same
attributes once passed to the back end data warehouse.

End user representation
The clients will use HTTP requests to fetch data from the back end and requests are made
through a web server and a PHP interface. We believe this will give us an universal access
path and standardised return objects from the back end/middle layer.

Early planning
So far we have discussed general phases and what we feel is necessary to be able to work
in a comfortable pace.

Sprint 2-4 will include back end/ETL and data loader development. We are aiming towards
having an almost fully functional foundation to be able to carry out further front end
development. A complete understanding of the interface and different element's importance
will also be done until sprint 4.

Sprint 3, Poster session, will include what we have managed to complete by that date
regarding all back end development. A tweaked version of the interface will most likely be
presented as well.

Group name: Adapa
Student names: Carl Berglund, John Burchell, Ludvig Gee, Michael Thompson, Nico Boh, Patrik Bäckström.
Scrum-master email: gusbacpa@student.gu.se

Further more, we feel that we cannot plan that much of the front end development at this stage but sprint 5 to 7 will be dedicated to this as well as tweaking back end input/output.

Sprint 8 will be used to tweak all components and finalise documentation.