# Describing of the project

This is a student project. We want to make a website for monitoring BitCoin transactions.

## Part ?

* Listening to a bitcoin client; (to know if something has changed);
* asking and receiving data from the virtual machine (BitCoin client);
* Convert received data to XML;
* Creating a working item; (adding additional information);
* Sending working item to the queue of the Azure storage.

## Worker Role

* Processing data from the storage queue. Deciding what should we do with working item:
  + Saving to the blob typed data;
  + Something else, don’t know now;

## Web Role (also a user interface)

A web site with a user interface (UI).

* Has several models to the different type of users;
* Has a controller, which is used for taking data from the blob storage;
* View – for creating and grouping data which was demanded. (Adding data to the table, creating data for graphic construction)

## Work Item

Work item is a data structure with a block from bitcoin client in XML and instruction(s) for Worker Role what should we do with it. (Class with a list of instructions and XML data).

## Azure Storage

There is a queue of Work Items, Table of keys of the data for Blob storage.