**Monitron – Progress Report**

This report will display our choices about the developing platforms and our progress on each component:

1. **Developing Platform**
   1. The development framework is Mono / .Net 4.5
   2. The Programming language is C# 6.0
2. **Virtualization** 
   1. The virtualization platform is Digital Ocean which provides students packages
   2. We started to develop an API wrapper
   3. Upcoming tasks:
      1. Combining the API wrapper in the management plugin
3. **Node**
   1. We finished developing the component.
   2. We started basic testing of the plugin’s loading
   3. Upcoming tasks:
      1. Creating a local configuration
4. **Management**
   1. We started developing the core of the plugin.
   2. Upcoming tasks:
      1. Testing the integration with the XMPP Messanger Server
      2. Developing Worker manager
5. **Local**
   1. We finished developing the core of the plugin.
   2. We started developing the process monitoring methods.
   3. Upcoming tasks:
      1. Testing the logic of the monitoring on a Linux host
6. **DB**
   1. Our cloud DB is MongoDB
   2. Our local DB is a Jason file
   3. Upcoming tasks:
      1. Set up an basic DB in order to test the integration between the DB and our application
      2. Creating a local data store to the node component
7. **Messaging Server**
   1. Our messaging server uses XMPP protocol.
   2. We set up a Messaging server
   3. We Started developing extra capabilities regarding user management in order to support admin and user privileges
   4. Upcoming tasks:
      1. Creating our own domain and specific users for testing.
      2. Communication tests between the server and the plugins
8. **RPC adapter**
   1. We finished developing the component.
   2. We are testing the integration between the adapter and the messaging server.
   3. Upcoming tasks:
      1. Fixing several critical bugs regarding the connection between the messaging server and the adapter