Assignment 1

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School of Science

Targets

- **Learn how open APIs and Cloud Computing can benefit from each other, the primary task is to innovate a novel mashup that utilizes public sector open APIs and runs in a cloud**

- **Solves a real problem in a citizens' every day life**

- ***Can* be implemented in a cloud (Amazon EC2, Google Apps Engine, Aalto private cloud etc.)**
  - For Amazon EC2 you may get free credits for this course, but need to create your account yourself

Grading

- **Idea -> 25%**
- **Business Model -> 25%**
- **Implementation -> 25%**
- **Quality -> 25%**

- **The returned document should be 2-4 pages + the implementation/demo of your idea**
- **Each component will be reviewed on a scale of 0-1-3-5**
- **0 from any component will fail the Assignment!**
- **round(avg("Idea", "Business Model", "Implementation", "Quality"))
-> *Assignment 1 Grade***

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Idea

- **Give a general description of the service you're doing and the APIs it will be using**

- **Try to also answer the following questions:**
  - Why is the service needed?
  - Who does it help?
  - Why are we doing it like this?

- **This section should be around 0.5-1 page(s)**

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Business Model

- **Create a business model for your service:**
  - Why would you or anyone else implement this service?
  - Who and how would you or anyone else generate value from your service?
  - What is the overall market like? Possible or likely partners? Competition? Alternatives?
  - You may utilize STOF model, <u>Canvas</u> or free format
  - Emphasize on Service and Finance
- **More information during the Mobile Cloud Business lecture on 03.10.2012**

- **This section should be around 1-2 page(s)**

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Implementation

- **Try to make an interactive demo of your service**

- *Failing that*, **try to make a static demo of your service**

- *Failing that*, **implement some type of demonstration of your service that (almost) anyone could look at for 10 seconds and understand the idea of your service**
  - Visual representation!
  - For this section: *Less text == Better*

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Quality

- **Overall quality of your documentation and implementation/demo**

- **The documentation can be plain-text/doc/odt/pdf**
  - Make sure that it is nicely formatted and spell checked

- **The demo should be web based and publicly available so that it can be reviewed**
  - Has to run at least in Chrome or Firefox
  - No binaries
  - No plug-ins

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Links

- **Programmable Web**
  http://www.programmableweb.com/

- **HTML5 Rocks**
  http://www.html5rocks.com/en/

- **WebSocket.org**
  http://www.websocket.org/demos.html

- **Demo Examples**
  http://www.niksula.hut.fi/~ekjalone/

- **Business Model Canvas (optional)**
  http://www.businessmodelgeneration.com

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Questions?

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