SENG3011

Requirements for "Initial Prototype"

Deadline - Friday Week 5 at 5pm

The first software deliverable consists of producing a first version of the API assigned to your team.

At this stage, teams are encouraged to implement as many requirements as possible. As a minimum, all teams should have implemented the following functions:

- Deployment as a REST Web service with a clearly documented API
- Ability to make requests to the API
- Generating an output file (possibly with errors)

There is no need to officially submit files. By the deadline, all teams must produce a software release and update their Web pages accordingly. Tutors will be accessing the Web service for testing directly from the team's Web page any time after the deadline. Further modifications to the API should be done as a next version of the API, keeping the initial prototype unchanged.

As a reminder, each release Web page must contain:

- The date and version of the release

- What has been implemented so far

- Differences with previous version

- Clear instructions on how to run the module as a Web service

- Guidelines on how to integrate the module with other systems e.g. how can you call your module from another program? (you can give an example using a specific language)

- Any test software or data

Marking Criteria:

Criterion	Explanation	Percentage
Input documentation	Clear explanation of required input variables including their type, format, what they represent and if applicable, acceptable values, and example of use.	25%
Output Documentation	Example output response and description of the semantics of output (even though it is described in the spec, the students should not be making assumptions, that everything is the same between teams)	15%
Output Correctness	Self explanatory	30%
Log File	Exists and has the details specified in the spec	5%
Ease of the API use	Is the API easy to use. All or nothing	10%
Date and the Version of Release	Is this shown? All or nothing.	5%
Implementation / Changelog	Is this provided with decent detail?	5%
How to use w/ other systems examples	Do they have adequate examples? All or nothing.	5%

For each criterion, the following marks are given:

A for outstanding work, this is above expectations
B for very good work, this is for fulfilling all expectations
C for good work, mostly correct but some expectations have not been met D for average work
E for work that is below standard
F Fail