Assignment 2 – Advanced Web Publishing Applications

Title: Create a node module for a web app.

- Worth 60%, due week 12 – code submitted by Wednesday 4th of May @ 17:00

- Node, Express, MongoDB and Angular

Brief: Create a module and publish that module as an NPM package. The package should contains sufficiently complex functionality such that it warrants utilisation by third party websites.

The following should be noted:

The scope of the module should be discussed with your lecturer during lab time – e.g. it can be established if the module is of suitable scale.

The module can be completely standalone from A1's web-app or it can be something that integrates with your previous web-app. Note: Be careful when relying on the existing web-app, the scope of the assignment is significantly different.

Marking scheme:

A few notes on the marking scheme:

- During the classes of week 11/12 you will present your module/web-app to me and demonstrate your understanding of the underlying components. Time slots to be decided.

- Marks will be awarded for each aspect of the site data layer, web server, templating and front-end.

- No sharing code, scripts etc. I award 0 marks to any project containing code duplicated from a class mate and/or website. I'm interested in your work only!

- This is especially true when considering duplication of existing modules.

Advice:

- Use the mid-term to get an understanding of creating and publishing node modules, come up with a few ideas on what you want to do.

- Check out npm Getting Started particularly lesson 11/12

- Do rough drafts, bring them to class and ask questions.

Deliverables

By 5th May, you will submit, via Blackboard, your final work. This should include the following:

- Details in relation to the web-app (any changes made to the existing web-app or an overview of the new one)

- An overview of how you went about designing the module. You can discuss other modules you looked at, how it fitted in with your web-app, how you sourced data (e.g. RSS), and so on
- An overview of the key features. Go into a little more detail about what you developed and how, covering the complete spectrum from back-end functionality, routing to front-end templating, CSS, and so on
- The project submitted should be runnable from an extracted zip and include a readme.txt to indicate how to run it.

Marking Scheme

Organisation of the module (files and folders) and adherence to coding standards – 10%

Overview document – 20%

Structure and styling of the module – 20%

Functional aspects of the module – 50%