Assignment 1 – Advanced Web Publishing Applications

Title: Create a theme for a web application.

- Worth 40%, due week 7 – code submitted by Wednesday 16th of March @ 17:00

- Node, Express, MongoDB and Angular

Brief: Create a website that is dynamically generated from a collection of data, presenting a minimum of three different themes based on the section of the site the user is interacting with.

The dataset is based on the Tate gallery collection, which is available on github:

 https://github.com/tategallery/collection

Requirements:

An end-to-end web application

- A standard layout design, see image below. This should be accomplished using appropriate templating methodology – extension/inclusion of existing components where feasible.

- There should be an overarching homepage for the gallery's collection.

- Choose three different unique features that will enable a collection of work to be displayed with a distinctive theme/layout generated by a template.

- Database backend should utilise MongoDB

- Web server used should be Node

- Templating can be whichever you decide (Jade or handlebars)

- If you are using Angular, make sure you have a good reason to and can articulate why and what you are trying to do!

Marking scheme:

A few notes on the marking scheme:

- During the classes of week 7 (Tuesday the 15th/ Wednesday the 16th) you will present your project 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 of 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!

Advice:

- Get a basic end-to-end solution working early on, leave the more complex tasks to week 2/3.

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

Standard layout components

Header Top

Header

Logo - Site Name - Site slogan   Search box

Menu bar

Preface Top

Sidebar first	Preface Bottom
	Content Top
	Actual Page Content
	Content Bottom

Postscript Top

Postscript Bottom

Footer