

SD2799 Final Project Summary

Students have developed a toolkit for cross platform, multi-form factor web development with a cloud-based backend. The cloud component offers a highly secure, authenticated and scalable platform for serving, hosting and securing any web application.

The key components include:

1. "serverless" javascript, enabling encrypted JSON-based calls to a cloud backend with an intermediary server
2. emphasis on Amazon Web Services (DynamoDB, Identity and Access Management / IAM, Scalable Storage Service / S3)
3. bootstrap and adaptive HTML5, JQuery for multiple form factors
4. multipage information architecture, encompassing a business use case

Students will upload their work to the College's Eportfolio service, for final presentation.

Student deliverables will take the form of a set of HTML pages with sample calls to the Amazon Cloud, demonstrating how to

1. authenticate
2. upload images
3. put, get, query and delete items from DynamoDB database

HTML5 pages should demonstrate different elements of your web design toolkit, demonstrating your ability to code HTML5 in different layouts.

The project should fit in a .zip file and be hosted on your own individual github account. It should also be uploaded to the college's EPortfolio site.