Web App Development Project

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| **Group Name** | |
| ABC | |
| **Student Names** | **GitHub Accounts** |
| MARK GASKIN - 16111931 | Markog222 |
| STEFAN DWORSCHAK - 15037835 | stefdworschak |
| GRAHAM FARRELL - 15044726 | GrahamFarrell1984 |
| **Link to your final Workspace in Cloud9 (just one)** | |
|  | |
| **Node.js modules used in the project (if applicable)** | |
|  | |
| **GitHub Repository** | |
| <https://github.com/stefdworschak/web_development_nci> | |

Project Report

The report should be 6-8 pages including:

1. The goals of the project
2. The strategy that will be employed to meet the stated project goals
3. The key characteristics of your project in terms of functionality
4. A list of the project deliverables that will be submitted on project completion
5. Overview of the technologies used in your app
6. Overview of the architecture of your app (including diagrams)
7. Manual

**Project Description:**

The Rich Internet Application (RIA) reflects the gradual, but inevitable transition of Web applications from the simple thin-client model of a traditional Web browser to a richer distributed-function model, which behaves more, like the desktop in a client/server model. Today these richer user experiences are being implemented with technologies such as HTML & CSS, JavaScript/JQuery, XML/JSON, AJAX and PHP/Node.js (or other frameworks), using standard Internet and Web protocols.

**Goals:**

Choose an area of interest to design, create and deploy a RIA that incorporates:

* Structured data in XML and/or JSON formats
* Retrieval and manipulation of structured data using a server-side framework
* Validation and visualization of data using client-side scripting techniques

The finished application should be accompanied by a short report and projects will be assessed via presentation during week 13.

**Development Environment:**

The application should be developed using the GitHub repository hosting service and Codeanywhere development environment.

**Submission Instructions:**

The final submission should include a link to the GitHub project with full project code, a link to the deployed project on Codeanywhere and a completed report, as outlined below

Strategy

Key functionality characteristics

Project deliverables

Technologies used

Google Maps API

Google Geocode API

Bootstrap

XML

JSON

XSD

.EJS

Overview of the architecture

Manual