# NCI Web Application Development

*Group Project*

Group:

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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.

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

* Structured data in XML and/or JSON formats (20%)
* Retrieval and manipulation of structured data using a server-side framework (30%)
* Validation and visualization of data using client-side scripting techniques (30%)

The finished application should be accompanied by a short report (10%) and projects will be assessed via presentation (10%) 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

Git hub link

<https://github.com/stefdworschak/web_development_nci>

Code Academy link

## 

## **Purpose of Document**

This document is to provide a brief report outlining each of the technologies used in the project, where they were used and what were the advantages of using the chosen technology over another.

## 

## **Intended Audience**

Mikhail Timofeev

## **Project Report**

*Outline each of the technologies used, where they were used and what were the advantages of using the chosen technology over another. You will need to research the pros and cons of each technology concerned and incorporate information on topics discussed in class.*

Google Maps API

Google Geocode API

Bootstrap

XML

JSON

XSD

.EJS