



College of the North Atlantic

CP3566 – Applied Java Programming

Course Project – Web Based Resume

Due Date: As Noted in the Dropbox – 24th July

Instructor demo required prior to submission!

Document Version 1.0

Overview

The goal of this project is to create a web-based resume using a REST API written in Spring with a web interface built in the language of your choosing (React.js is preferred).

The web-based resume should meet the following requirements:

- Include AT LEAST the following information
 - Education
 - Grad Year
 - Program Title
 - Abbreviation
 - Experience
 - Start Date
 - End Date
 - Job Title
 - Employer
 - Description
 - Skills
 - Name
 - Type
- Be professionally designed and styled. Using an open source or free design template that provides a design is encouraged.

Part 1: REST API

Following the structure of the REST API used in class examples please build an API for your Resume with all CRUD operations

Rest API Structure:

- API Root : “/api/v1”
- Education Root: “/educations”
 - Get all Education: GET “/educations”
 - Get a specific education by id: GET “/educations/2”
 - Create a new education: POST “/educations?year=2022&title=Accelerated Software Development&abbreviation=ASD”
 - Update an education: PUT “/educations/2 ... ”
 - Delete an education: DELETE “/educations/2”
- Experience is identical to Education using “/experiences”

- Skills is identical to Education using “/skills”

Please keep all API naming consistent with this structure: <https://blog.logrocket.com/the-essential-guide-for-designing-a-production-ready-developer-friendly-restful-api/>

Part 2: API Test (Postman)

Use Postman, or an equivalent tool, to test your REST API from Part 1. This will simplify development and will be reviewed during the final project demo.

Use Postman to also update and delete your CV through the API.

Part 3: Web Page

It is recommended that the web page be built in React.js with a design template. The website should be simple and professional. Unique or non-traditional designs are welcome.

The web page can retrieve the resume information from the REST API using Fetch API. (There are other methods, but Fetch is the easiest option.) https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API/Using_Fetch