Vanier College

Computer Science Department

Web Services 420-551-VA

Section 00002

**Project Plan**

**Nobel Prize API**

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Project Plan:

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| --- | --- | --- | --- | --- | --- |
| **Title** | **Description** | **Requirements** | **Sub tasks** | **Dependencies** | **Assignees** |
| Create Database | Database creation | MySQL, Xampp | Create tables, Foreign keys, populate tables | N/A | Dinal |
| Create Tables | Make tables in the database | MySQL, Xampp | Foreign keys, populate tables | Create database | Dinal |
| Foreign Keys | Add Foreign keys to database | MySQL, Xampp | Populate tables | Create tables | Craig |
| Populate Tables | Populate the tables in the database | MySQL, Xampp | Create models | Create tables | Johnathan |
| Creating  Models | Creating Model classes | VSCode | Implementing routes | Populate tables | Craig, Dinal, Johnathan |
| Creating Controllers | Creating Controller classes | VSCode | Implementing routes | Creating models | Craig, Dinal, Johnathan |
| Implementing Routes |  | VSCode |  | Creating controllers | Johnathan |
| Implement Error Handling | Implement error handling through the use of middleware | VSCode |  |  | Dinal |
| Implement Content Negotiation | Implement content negotiation to keep the response format uniform | VSCode |  | Implement error handling | Craig |
| Implement Filtering | Creating filters for getting specific resources | VSCode |  | Creating controllers | Craig |
| Implement Pagination | Implementing pagination for limiting the number of resources to be shown | VSCode |  | Creating controllers | Johnathan |

Composite Resources:

**Zip Code Searcher:**

We will use the zip code searcher to check which country it's from.

<https://documenter.getpostman.com/view/8854915/Szf7znEe#fcc95bbd-9cb3-4c5f-9a46-50eb3411ae31>

**Dictionary:**

We will use the dictionary API to provide meaning to the words that might be too difficult or rarely used in everyday life.

<https://dictionaryapi.dev/>