

Vanier College  
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Web Services 420-551-VA  
Section 00002

**Project Proposal**  
**Nobel Prize API**

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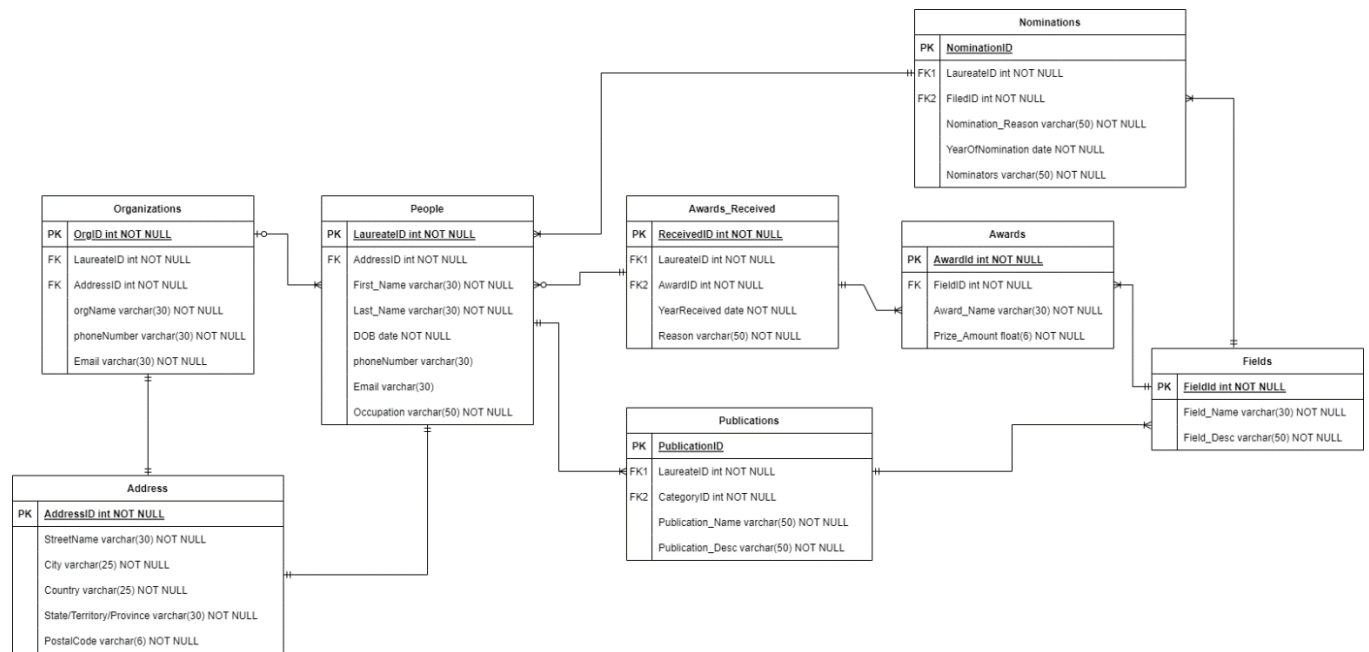
## Proposal Idea:

Our RESTful web service will show information about Nobel prizes. It will show information about people, categories, awards, and publications.

## GitHub Repository:

<https://github.com/D3153/nobel-prize-api>

## ERD:



Organizations to People: An Organization can have many People. A Person can either belong to an Organization or not.

Organizations to Address: An Organization has one mandatory Address. An Address belongs to only 1 Organization.

People to Address: A Person has one mandatory Address. An Address belongs to only 1 Person.

People to Nominations: A Person has one mandatory Nomination. A Nomination can belong to many People.

People to Awards Received: A Person can receive 0 or many Awards. An Awards can belong to 1 or many People.

People to Publications: A Person can have 1 or many Publications. A Publication can belong to only 1 Person.

Publications to Fields: A Publication can belong to only 1 Field. A Field can have many Publications.

Fields to Awards: A Field can have only 1 Award. An Award can belong to only 1 Field.

Fields to Nominations: A Field can have many Nominations. A Nomination can belong to only 1 Field.

## Resources:

Name	URI	HTTP Methods	Description
Organizations	/organizations	GET, POST, PATCH, DELETE	An <i>Organizations</i> resource contains information about an organization.
People	/people	GET, POST, PATCH, DELETE	A <i>People</i> resource contains information about a person.
Awards_Received	/awards_received	GET, POST, PATCH, DELETE	An <i>Awards_Received</i> resource contains information about the award_received.
Awards	/awards	GET, POST, PATCH, DELETE	An <i>Awards</i> resource contains information about an award.
Publications	/publications	GET, POST, PATCH, DELETE	A <i>Publications</i> resource contains information about a publication.
Nominations	/nominations	GET, POST, PATCH, DELETE	A <i>Nominations</i> resource contains information about a nomination.
Fields	/fields	GET, POST, PATCH, DELETE	A <i>Fields</i> resource contains information about a field.

## Filters:

### Organization Filters:

Name	Type	Result/Expected value
name	string	Organizations with the given name are included on the response
phoneNumber	string	Organizations with the given phoneNumber are included on the response
email	string	Organizations with the given email are included on the response
address	string	Organizations with the given address are included on the response

### Pagination:

/organizations?page={page\_num}&pageSize={max\_size}

### People Filter:

Name	Type	Result/Expected value
firstName	string	People with the given firstName are included on the response
lastName	string	People with the given lastName are included on the response
bornBefore	date	People who are born before, or on, the date given are included on the response
bornAfter	date	People who are born after, or on, the date given are included on the response
phone	string	People with the given phone are included on the response
email	string	People with the given email are included on the response
occupation	string	People with the given occupation are included on the response

### Pagination:

/people?page={page\_num}&pageSize={max\_size}

## Awards Filters:

Name	Type	Result/Expected value
awardName	string	Awards with the given award_name are included on the response
minimumPrizeAmount	float	Awards that has more than, or equal, to the given prize_amount are included on the response
maximumPrizeAmount	float	Awards that has less than, or equal, to the given prize_amount are included on the response

## Pagination:

/awards?page={page\_num}&pageSize={max\_size}

## Nominations Filters:

Name	Type	Result/Expected value
reason	string	Nominations with the given reason are included on the response
yearBefore	int	Nominations before, or on, the given year are included on the response
yearAfter	int	Nominations after, or on, the given year are included on the response
nominator	string	Nominations with the given nominators are included on the response

## Pagination:

/nominations?page={page\_num}&pageSize={max\_size}

## Fields Filters:

Name	Type	Result/Expected value
fieldName	string	Fields with the given fieldName are included on the response

## Pagination:

/fields?page={page\_num}&pageSize={max\_size}

## Publications Filters:

Name	Type	Result/Expected value
publicationName	string	Publications with the given publicationName are included on the response
description	string	Publications with the given description are included on the response

## Pagination:

/publications?page={page\_num}&pageSize={max\_size}



## Status:

Status Code	Status	HTTP Methods	Description
200	OK	GET	Request to get resource successful
201	Created	POST, PUT	Request to create/add new resource successful
202	Accepted	PATCH, DELETE	Request to modify/delete resource successful
204	No content	GET	Request to get resource unsuccessful due to not having any resource
403	Forbidden	POST, PUT, PATCH, DELETE	Request was unsuccessful due to not having authorization
404	Resource not found	GET	URI does not exist