

Backend Documentation

This should serve as some basis for the backend of the thesaurus aspect of my senior project!

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Schema

ThesaurusEntry

This will be the base object for our project with no data outside of the synonyms and antonyms.

```
{
  "_id": "",
  "word": "",
  "antonyms": {
    "adjective": [],
    "adverb": [],
    "noun": [],
    "verb": []
  },
  "synonyms": {
    "adjective": [],
    "adverb": [],
    "noun": [],
    "verb": []
  }
}
```

Endpoints

thesaurus/api/v1

Versioning and whatnot

GET

Description

Small debug/"hello world" endpoint.

Success Response

```
{
  "code": 200,      (OK)
  "message": "Hi! This is the api for Cole Hollant's thesaurus for
SPROJ.\nBase entries from words.bighugelabs.com."
}
```

thesaurus/api/v1/admin/words

Utility endpoints for manipulating the thesaurus collection

POST

Description

Add entries to the collection!

Headers

```
{
  "adminEmail": "",
  "adminPassword": ""
}
```

Body

```
{
  "word": "",
  "antonyms": {
    "adjective": [],
    "adverb": [],
    "noun": [],
    "verb": []
  },
  "synonyms": {
    "adjective": [],
    "adverb": [],
    "noun": [],
    "verb": []
  }
}
```

Requirements

- `adminEmail` and `adminPassword` are valid
- `word`, `antonyms`, and `synonyms` are all non-empty

Error Responses

Admin creds invalid

```
{
  "code": 401,      (UNAUTHORIZED)
  "message": "Admin credentials incorrect"
}
```

Empty fields

```
{
  "code": 400,      (BAD REQUEST)
  "message": "Empty fields in request",
  "fields": {
    "word": true || false,
    "antonyms": true || false,
    "synonyms": true || false
  }
}
```

Success Response

```
{
  "code": 201,      (CREATED)
  "message": "Word added",
  "data": {
    "word": ""
  }
}
```

PUT

Description

Update entries in the collection!

Headers

```
{
  "adminEmail": "",
  "adminPassword": ""
}
```

Body

```
{
  "word": "",
  "antonyms": {
    "adjective": [],
    "adverb": [],
    "noun": [],

```

```
    "verb": []
  },
  "synonyms": {
    "adjective": [],
    "adverb": [],
    "noun": [],
    "verb": []
  }
}
```

Requirements

- `adminEmail` and `adminPassword` are valid
- `word`, `antonyms`, and `synonyms` are all non-empty

Error Responses

Admin creds invalid

```
{
  "code": 401,      (UNAUTHORIZED)
  "message": "Admin credentials incorrect"
}
```

Empty fields

```
{
  "code": 400,      (BAD REQUEST)
  "message": "Empty fields in request",
  "data": {
    "word": true || false,
    "antonyms": true || false,
    "synonyms": true || false
  }
}
```

Success Response

```
{
  "code": 200,      (OK)
  "message": "Word updated",
  "data": {
    "word": ""
  }
}
```

DELETE

Description

Remove entries from the collection!

Headers

```
{
  "adminEmail": "",
  "adminPassword": ""
}
```

Body

```
{
  "word": "",
}
```

Requirements

- `adminEmail` and `adminPassword` are valid
- `word` is non-empty

Error Responses

Admin creds invalid

```
{
  "code": 401,      (UNAUTHORIZED)
  "message": "Admin credentials incorrect"
}
```

Empty fields

```
{
  "code": 400,      (BAD REQUEST)
  "message": "Word is empty",
}
```

Success Response

```
{
  "code": 200,      (OK)
  "message": "Word removed",
  "data": {
    "word": ""
  }
}
```

thesaurus/api/v1/words/< :WORD >

Endpoints for accessing the thesaurus collection

GET

Description

Access entries to the collection!

Body

```
{
  "word": ""
}
```

Requirements

- `word` exists in db
- `word` is non-empty

Error Responses

Word DNE

```
{
  "code": 404,      (NOT FOUND)
  "message": "Word not found",
}
```

Empty fields

```
{
  "code": 400,      (BAD REQUEST)
  "message": "Word is empty",
}
```

Success Response

```
{
  "code": 200,      (OK)
  "message": "Success!",
  "data": {
    "word": "",
    "antonyms": {
      "adjective": [],
      "adverb": [],
      "noun": [],
      "verb": []
    },
    "synonyms": {
      "adjective": [],
      "adverb": [],
      "noun": [],
      "verb": []
    }
  }
}
```