

CS 496 Final Project

Notes and URL Verbs

Corwin Perren

Final Project Notes

I chose a hybrid final project for this class. The app is designed to be used to keep track of projects, and lets you set reminders for each project so you can keep track of the things you need to do, and who should be involved.

A relationship implementation was chosen instead of user accounts. The “Projects” ndb model holds references to the “ProjectReminder” instances that apply to the particular project. This can be seen in the demo video.

GAE URL Verbs

Base URL - <https://cs496-final-gae.appspot.com>

GET /projects

This can be called with no additional data to get a listing of all projects.

GET /projects/{project_id}

This can be called with the unique id of a specific project to get only the details on a particular project.

GET /projects/{project_id}/reminders

This can be called with the unique id of a specific project to get all the reminders associated with the project.

GET /projects/{project_id}/reminders/{reminder_id}

This can be called with the unique id of a specific project and a specific reminder within that project to get the details of that unique reminder.

POST /projects

This can be called, with the following data, to create a new project.

```
{  
  "name": "DESIRED_PROJECT_NAME_STRING",  
  "language": "DESIRED_LANGUAGE_STRING",
```

```
    "contributors": ["DESIRED_NAME", "DESIRED_OTHER_NAME", "ETC"]
}
```

POST /projects/{project_id}/reminders

This can be called with the unique id of a specific project, and with the following data, to make a new reminder associated with a project.

```
{
  "title": "DESIRED_TITLE_STRING",
  "reminder_date": "DESIRED_DATE_STRING",
  "users_to_notify": ["DESIRED_NAME", "DESIRED_OTHER_NAME", "ETC"],
  "text_content": "DESIRED_TEXT_STRING"
}
```

PUT /projects/{project_id}

This can be called with the unique id of a specific project and any combination of the following key/value pairs to replace those data fields on the project.

```
{
  "name": "DESIRED_PROJECT_NAME_STRING",
  "language": "DESIRED_LANGUAGE_STRING",
  "contributors": ["DESIRED_NAME", "DESIRED_OTHER_NAME", "ETC"]
}
```

PUT /projects/{project_id}/reminders/{reminder_id}

This can be called with the unique id of a specific project and a specific reminder within that project, along with any combination of the following key/value pairs, to replace those data fields on the reminder.

```
{
  "title": "DESIRED_TITLE_STRING",
  "reminder_date": "DESIRED_DATE_STRING",
  "users_to_notify": ["DESIRED_NAME", "DESIRED_OTHER_NAME", "ETC"],
  "text_content": "DESIRED_TEXT_STRING"
}
```

PATCH /projects/{project_id}

This can be called with the unique id of a specific project and any SINGLE of the following key/value pairs to replace that data field on the project.

```
{
  "name": "DESIRED_PROJECT_NAME_STRING",
  "language": "DESIRED_LANGUAGE_STRING",
  "contributors": ["DESIRED_NAME", "DESIRED_OTHER_NAME", "ETC"]
}
```

PATCH /projects/{project_id}/reminders/{reminder_id}

This can be called with the unique id of a specific project and a specific reminder within that project, along with any SINGLE of the following key/value pairs, to replace that data fields on the reminder.

```
{  
  "title": "DESIRED_TITLE_STRING",  
  "reminder_date": "DESIRED_DATE_STRING",  
  "users_to_notify": ["DESIRED_NAME", "DESIRED_OTHER_NAME", "ETC"],  
  "text_content": "DESIRED_TEXT_STRING"  
}
```

DELETE /projects/{project_id}

This can be called with the unique id of a project to delete that project, as well as any reminders associated with it.

DELETE /projects/{project_id}/reminders/{reminder_id}

This can be called with the unique id of a specific project and a specific reminder within that project to delete the reminder.