Message Board API

This project implements a RESTful API for a message board using Django and DjangoRestFramework (DRF). The message board contains 3 resources: Users, Threads, and Messages. Users are modified only by the site admin, and are read-only to the outside world. Threads represent a collection of messages. In addition to a list of messages, they have an owner and a topic. Messages represent posts to the message board. They are organized by threads. Each message contains a thread reference, an owner, and some body text representing the post.

# Documentation

Detailed Documentation along with access and modification capabilities can be found here: <http://minds57.pythonanywhere.com/>

# Authentication

In order to make changes to threads and messages a user must log in. Once authenticated, a user can only modify the threads and messages that he has created. No user can modify threads or messages from another user. A user can, however, add new messages to a thread owned by another user. For evaluation purposes please use the following credentials.

Username: admin

Password: password123

# Endpoints

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **GET** | **POST** | **PUT** | **DELETE** |
| /users/ | Show all users | N/A | N/A | N/A |
| /users/<id> | Show <id> | N/A | N/A | N/A |
| /threads/ | Show all threads | Add new thread | Update all threads | Delete all threads |
| /threads/<id> | Show <id> | N/A | Update <id> | Delete <id> |
| /messages/ | Show all messages | Add new message | Update all messages | Delete all messages |
| /messages/<id> | Show <id> | N/A | Update <id> | Delete <id> |

# Code

All code for the project has been uploaded to github. <https://github.com/mhinds/message_board_rest_api>

# Unit Tests

<https://github.com/mhinds/message_board_rest_api/blob/master/board/tests.py>

Functionality is included to test each endpoint. Users are only read. Threads and messages are read, created, modified, or deleted.