Simple Forum Application

This application is a very simple forum that allows all users to view threads and associated posts, while only allowing authenticated users to create new threads and post replies. Authenticated users are also able to upload certain types of files as part of the post. All users are allowed to view and download these files.

The application is written in Python and uses the Web Service Gateway Interface (WSGI) instead of using a more commonly used higher-level framework such as Django (which itself implements WSGI).

The application’s main components consist of the following:

* Forum.py – The application’s main class. This module can be run as the main program and utilizes wsgrief.simple\_server to implement a simple HTTP server instead of requiring the application to be deployed in an actual HTTP server such as the Apache httpd server.
* Forum.models – Modules representing the main pieces of the application (thread, posts, users, and files).
* Forum.dao – A basic module to allow access to the forum’s database, including inserting and querying the tables representing the above models.
* Tests – Unit tests for the DAO and models.