CHAPTER 1

Parse
CHAPTER 3

Client

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**Note:** This module is still under heavy development!
Introduction

The idea behind the python-webdav library is to provide developers with an easy to use library that can also allow for a finer grain of control when needed.

The library currently contains two main modules: connection and client

Connection Module

The connection module itself has four classes: Connection, Client, LockToken and Property.

Connection

The Connection class is for setting up a connection object and using it to send HTTP requests to a WebDAV server.
It is a low level class that is meant for direct communication with the server. This can be used for programs that have a need control over the connection.

Client

The Client class contains methods for getting and parsing WebDAV responses. It is mainly for use as a sort of abstraction from the Connection class.

LockToken

Lock tokens are used to aid in basic access control for files contained on a WebDAV server. This is a simple class for containing a lock token as an object.

Property

Properties are objects used to store information about Resources properties.
First basic examples

To import the library, use:

```python
import python_webdav
```

Using the basic functionality of the library is simple. Start by making a Client object:

```python
import python_webdav.client as pywebdav_client

client_object = pywebdav_client.Client('https://webdav.example.net/)
client_object.set_connection(username='KingArthur', password='HolyGrail')
```

This will set up a Client object that will communicate with the given server and credentials.

The idea of setting up the server and authentication information separately, is to allow the connection to be used for different users, instead of having to create individual connections for each user.

To download a file:

```python
import python_webdav

client_object = python_webdav.Client('https://webdav.example.net/)
client_object.set_connection(username='KingArthur', password='HolyGrail')

client_object.download_file('some_file.txt', dest_path='.')
```

More example code

More complete examples can be found in the docs/examples directory.
CHAPTER 5

API

Contents:
Indices and tables

- genindex
- modindex
- search