

[Flask-Login]

General Information & Licensing

Code Repository	https://github.com/maxcountryman/flask-login
License Type	MIT License
License Description	A short and simple permissive license with conditions only requiring preservation of copyright and license notices
License Restrictions	<ul style="list-style-type: none">• No Liability• No warranty
Who worked with this?	Devin Salem

[LoginManager Class]

Purpose

This class allows the flask login library to work with our server application. It allows a user to be loaded from an ID, can also route users to go to a login page, and can restrict users from seeing a certain page based on if they are logged in or not.

This class works with a `user_loader` callback, which will return a user object, based on the unicode ID of the user which is stored in the user class. Using an `app.route` decorator, you can route users to go to a specific page. And finally with using a `login_required` decorator, you can restrict users from going to certain pages if they aren't logged in. Logs users in with the `login_user` function and logs them out with the `logout_user` function

[User Class]

Purpose

This class allows each user to have an instance and serves functionality.

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- One of the functions that the user class has is `is_authenticated`, which returns boolean whether or not the user is valid based on our credentials.
- Another function the user class has is `is_active`, which returns boolean whether or not the given user is authenticated, and active
- Another function is `is_anonymous` which also returns boolean based on if the user is active or not.
- The final function of the user class is `get_id` which returns a unicode that can be used in the `user_loader` callback so you can load a user.

[Remember Me Functionality]

Purpose

This allows the users to be remembered on the website in case they close the browser there is no need to log back in, replacing cookies.

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By passing remember = True to the login_user call when the user logs in, flask login will save a cookie to the users computer and log them back in if they exit the session