

# Third Party APIs

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## Flask

### Description

Flask is a microframework for Python based on Werkzeug and Jinja 2

### URL

<http://flask.pocoo.org/>

## Flask-SQLAlchemy

### Description

Flask-SQLAlchemy is an extension for Flask that adds support for SQLAlchemy to your application. It requires SQLAlchemy 0.8 or higher. It aims to simplify using SQLAlchemy with Flask by providing useful defaults and extra helpers that make it easier to accomplish common tasks.

### URL

<http://flask-sqlalchemy.pocoo.org/2.3/>

## Flask-WTF

### Description

Simple integration of Flask and WTForms, including CSRF, file upload, and reCAPTCHA.

### Features

- Integration with WTForms.
- Secure Form with CSRF token.
- Global CSRF protection.
- reCAPTCHA support.
- File upload that works with Flask-Uploads.
- Internationalization using Flask-Babel.

### URL

<http://flask-wtf.readthedocs.io/en/stable/>

## Flask-Login

### Description

Flask-Login provides user session management for Flask. It handles the common tasks of logging in, logging out, and remembering your users' sessions over extended periods of time.

It will:

- Store the active user's ID in the session, and let you log them in and out easily.
- Let you restrict views to logged-in (or logged-out) users.
- Handle the normally-tricky "remember me" functionality.
- Help protect your users' sessions from being stolen by cookie thieves.
- Possibly integrate with Flask-Principal or other authorization extensions later on.

### URL

<http://flask-login.readthedocs.io/en/latest/>

## Flask-Migrate

### Description

Flask-Migrate is an extension that handles SQLAlchemy database migrations for Flask applications using Alembic. The database operations are made available through the Flask command-line interface or through the Flask-Script extension.

### URL

<https://flask-migrate.readthedocs.io/en/latest/>

## Flask-Bcrypt

### Description

Flask-Bcrypt is a Flask extension that provides bcrypt hashing utilities for your application.

Due to the recent increased prevalence of powerful hardware, such as modern GPUs, hashes have become increasingly easy to crack. A proactive solution to this is to use a hash that was designed to be "de-optimized". Bcrypt is such a hashing facility; unlike hashing algorithms such as MD5 and SHA1, which are optimized for speed, bcrypt is intentionally structured to be slow.

For sensitive data that must be protected, such as passwords, bcrypt is an advisable choice.

### URL

<http://flask-bcrypt.readthedocs.io/en/latest/>

## Stripe

### Description

Stripe enables you to accept payments in minutes. Collect your customers' payment information easily and securely on web or mobile and create charges server-side in 100+ currencies. Users in the United States can accept Visa, Mastercard, American Express, Discover, JCB, Diners Club credit and debit cards.

### URL

<https://stripe.com/docs>