

LECTURE 20: A WIKI APPLICATION

Code based on:

<https://github.com/miguelgrinberg/microblog/tree/v0.4>

OUTLINE

- What is a Wiki?
- Implementation
 - Displaying wiki pages
 - Submit pages
 - Index page listing wiki pages

DATABASES

- We need to store pages somewhere
 - Databases
- Flask-SQLAlchemy
 - `pip3 install flask-sqlalchemy`
- SQLAlchemy is a Python SQL toolkit that allows you to do SQL without writing SQL
- Flask-SQLAlchemy is the Flask wrapper for SQLAlchemy

APP STRUCTURE

- app/: for application files
 - app/forms.py: Submission form
 - app/models.py: File for models(Data and data logic)
 - app/routes.py: Route decorators(To bind a function to a URL)
 - app/__init__.py: Initialize everything
 - app/templates: Template files
- config.py
- wiki.py: To start Flask application (Shell variables etc.)

PLAYING WITH SQLALCHEMY

- Start a Python console under lecture19/
- ```
from app import db
from app.models import Post
db.create_all()
p = Post(title="Hello world", body="This is a sample entry")
db.session.add(p)
db.session.commit()
posts = Post.query.all()
posts
```

## AN ALTERNATIVE WAY TO RUN FLASK APPS

- Go to lecture20/ folder
- run “export FLASK\_APP=wiki.py”
- run “flask run”

**FIN!**