

## HTTP

- protocol text
- exemple
  - telnet rosedu.org
  - GET / HTTP/1.0
- methods
  - GET - și query args
  - POST și post data
  - PUT
  - DELETE
  - HEAD
- stateless
  - but we do have cookies! and sessions

## HTML

- quick and dirty intro - restul mâine gabi

## Flask

- basic app
- routing
- templates
- sqlalchemy db

## Hands on:

- basic view
- add a template
- add a db
- flash a message
- do a POST
- update, delete, confirmation message
- redirect
- url\_for

```
from flask import Flask
from flask import render_template, request, session, flash, redirect,
url_for
from flask.ext.sqlalchemy import SQLAlchemy
```

```
app = Flask(__name__)
app.config['DEBUG'] = True
app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///tmp/data.db'
app.config['SECRET_KEY'] = 'cheia noastra secreta'
```

```
db = SQLAlchemy(app)

class Task(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    text = db.Column(db.String)
    done = db.Column(db.Boolean, default=False)

@app.route('/')
def home():
    return render_template('home.html', tasks=Task.query.all())

@app.route('/new', methods=('GET', 'POST'))
def new():
    if request.method == 'POST':
        #session['task'] = request.form['task']
        t = Task(text=request.form['task'])
        db.session.add(t)
        db.session.commit()
        flash('Successfully added!')
    return render_template('new.html')

@app.route('/del/<id>', methods=('GET', 'POST'))
def delete(id):
    if request.method == 'POST':
        t = Task.query.filter_by(id=id).first()
        db.session.delete(t)
        db.session.commit()
        flash('Deleted')
        return redirect(url_for('home'))
    return render_template('confirm_delete.html', id=id)

@app.route('/set_done/<id>')
def setdone(id):
    t = Task.query.filter_by(id=id).first()
    t.done = True
    db.session.commit()
    return redirect(url_for('home'))

db.create_all()
app.run()
```