

**This is CS50**

http-server

<https://www.example.com/>

<https://www.example.com/file.html>

<https://www.example.com/folder/>

<https://www.example.com/folder/file.html>

<https://www.example.com/path>

<https://www.example.com/route>



<https://www.example.com/route?key=value>

<https://www.example.com/route?key=value&key=value>

GET /search?q=cats HTTP/2

Host: www.google.com

...

Flask

```
flask run
```

app.py

templates/

app.py

requirements.txt

static/

templates/

```
from flask import Flask, render_template
```

```
app = Flask(__name__)
```

```
@app.route("/")
```

```
def index():
```

```
    return render_template("index.html")
```



request.args

Jinja

request.form



# Frosh IMs

Intramural Sports  
for the class of 2007

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[Register](#)

[Registrants](#)

[Rules](#)

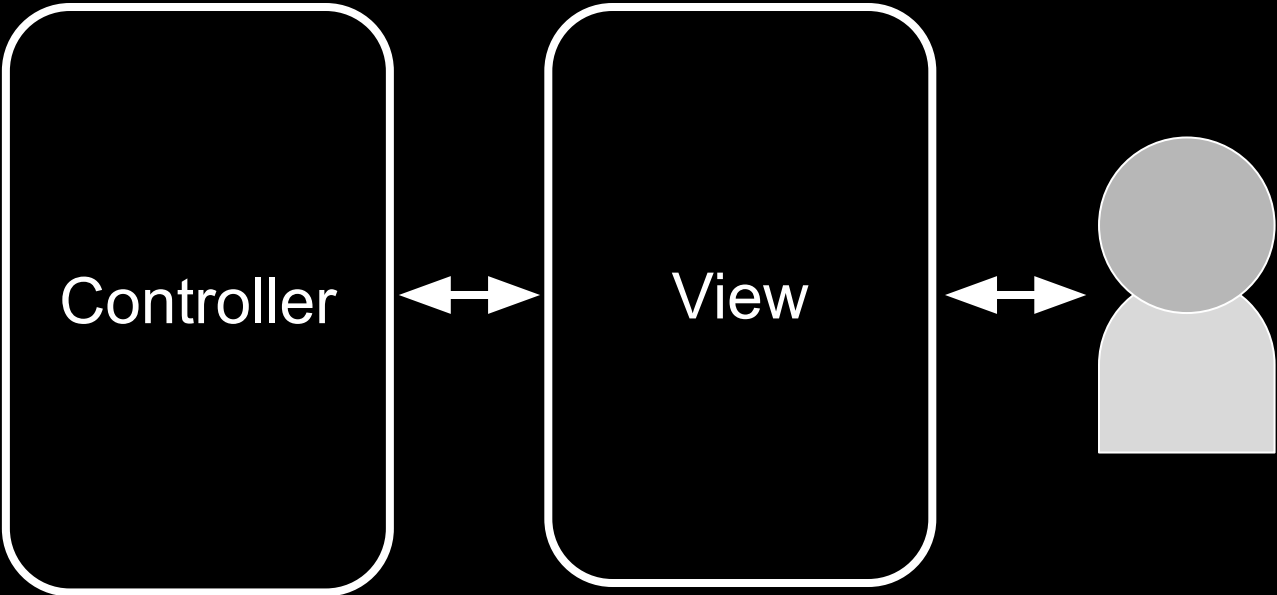
[Schedules and results](#)

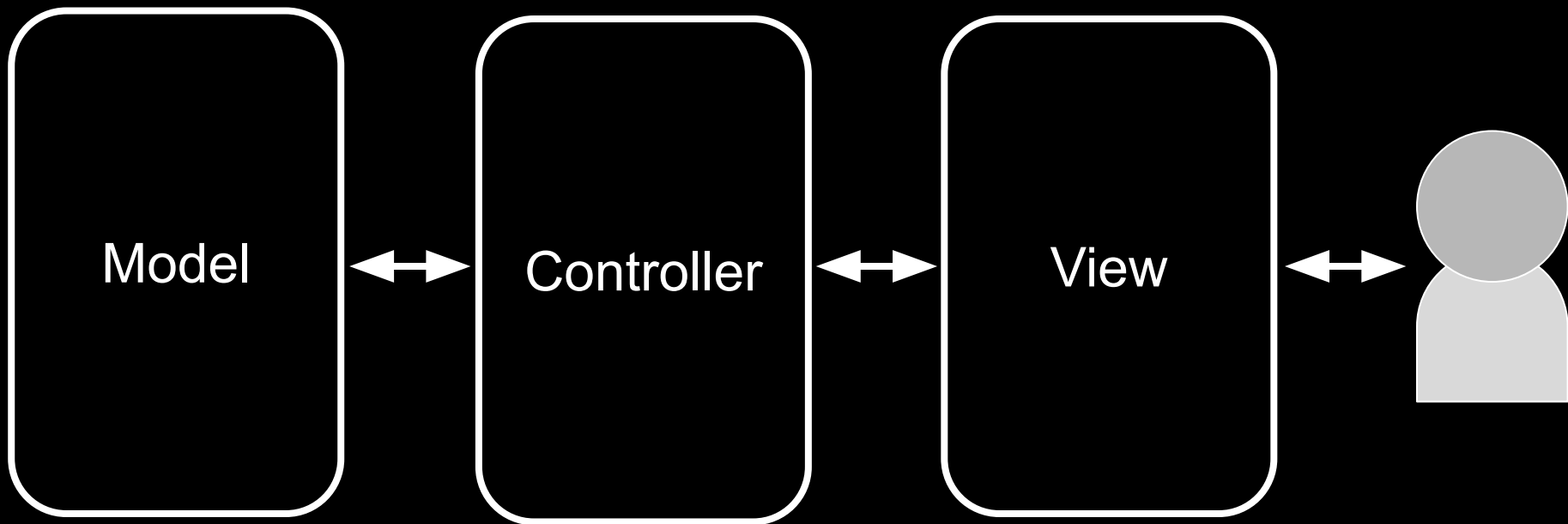
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Next

GET / HTTP/2

Host: accounts.google.com

...



HTTP/2 200

Content-Type: text/html

...

HTTP/2 200

Content-Type: text/html

Set-Cookie: session=value

...

GET / HTTP/2

Host: accounts.google.com

...

GET / HTTP/2

Host: accounts.google.com

Cookie: session=value

...

session

```
from cs50 import SQL
```

```
[
  {"id": 1, "title": "The Hitchhiker's Guide to the Galaxy"},
  {"id": 2, "title": "The Restaurant at the End of the Universe"},
  {"id": 3, "title": "Life, the Universe and Everything"},
  {"id": 4, "title": "So Long, and Thanks for All the Fish"},
  {"id": 5, "title": "Mostly Harmless"},
]
```

API



JSON

[

```
{ "id": 112108, "title": "The Office", "year": 1995, "episodes": 6 },  
{ "id": 290978, "title": "The Office", "year": 2001, "episodes": 14 },  
{ "id": 386676, "title": "The Office", "year": 2005, "episodes": 188 },  
{ "id": 1791001, "title": "The Office", "year": 2010, "episodes": 30 },  
{ "id": 2186395, "title": "The Office", "year": 2012, "episodes": 8 },  
{ "id": 8305218, "title": "The Office", "year": 2019, "episodes": 28 },  
{ "id": 20877972, "title": "The Office", "year": 2022, "episodes": 20 }
```

]

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