Section 2

Week of February 11

Outline

- A few notes
- Python
- HTTP
- Flask

A few notes:

- Project 1 will be released next Monday
- No office hours this week

A note on Zoom: When I ask for questions: there is a hand-raise button, if you'd like to ask a question using audio/video
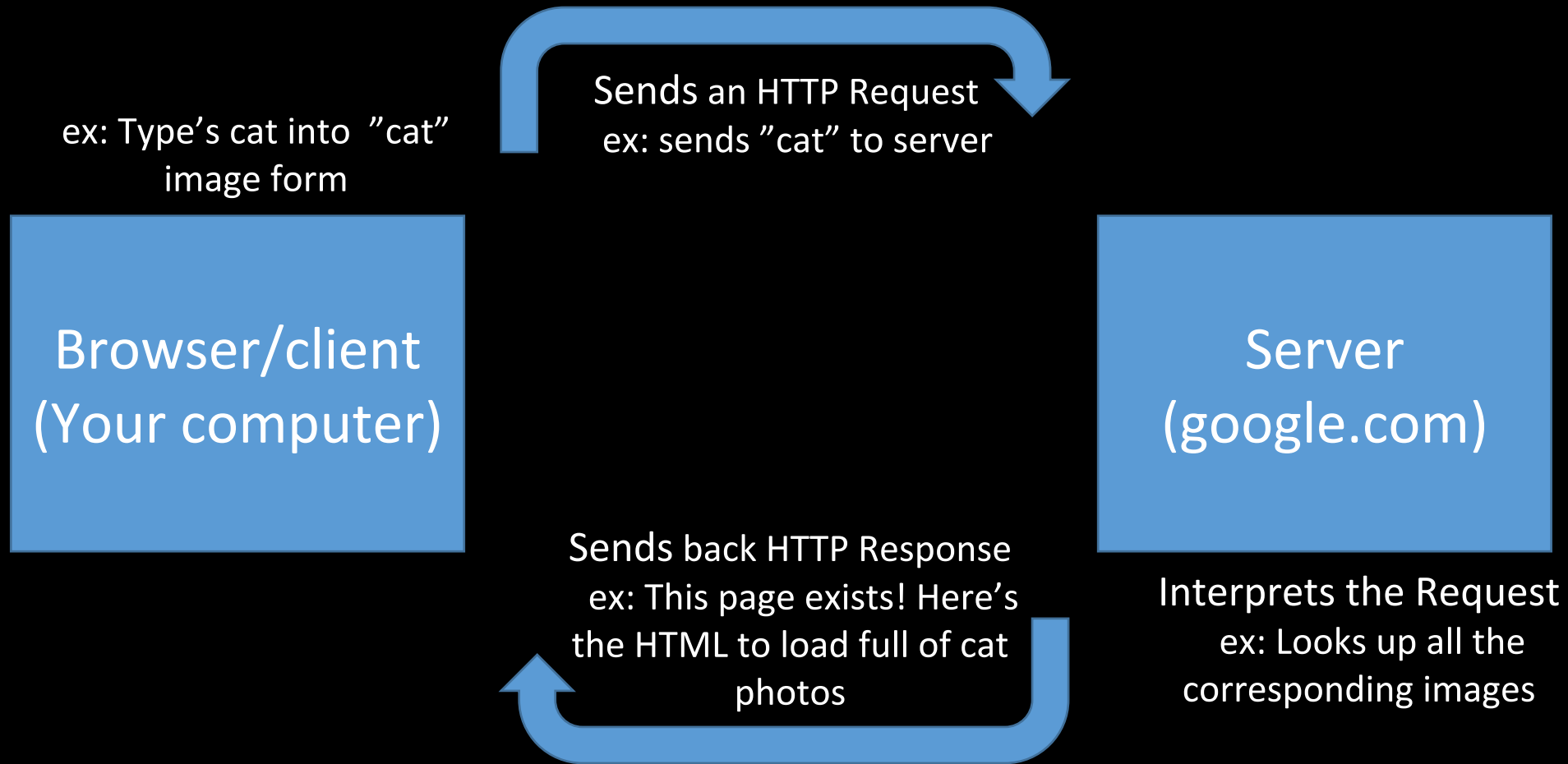
Python

- "An interpreted, object oriented, high level programming language"

  -- python.org

- Remember, we are using **Python 3**
- If unfamiliar, there are many great introductory tutorials online
- You may need to install Python 3

HTTP: Hypertext Transfer Protocol

Sends an HTTP Request
ex: sends "cat" to server

ex: Type's cat into "cat"
image form

**Browser/client
(Your computer)**

**Server
(google.com)**

Sends back HTTP Response
ex: This page exists! Here's
the HTML to load full of cat
photos

Interprets the Request
ex: Looks up all the
corresponding images

Keywords: GET request, POST request, status code

Flask

- A python based, microframework
- Creates a server, which can handle HTTP requests

- Remember for later : `FLASK_APP` environment variable
  - `printenv FLASK_APP`
  - `export FLASK_APP=application.py`

- `flask run`

Keywords: inheritance, template, Jinja2

Any remaining questions?