

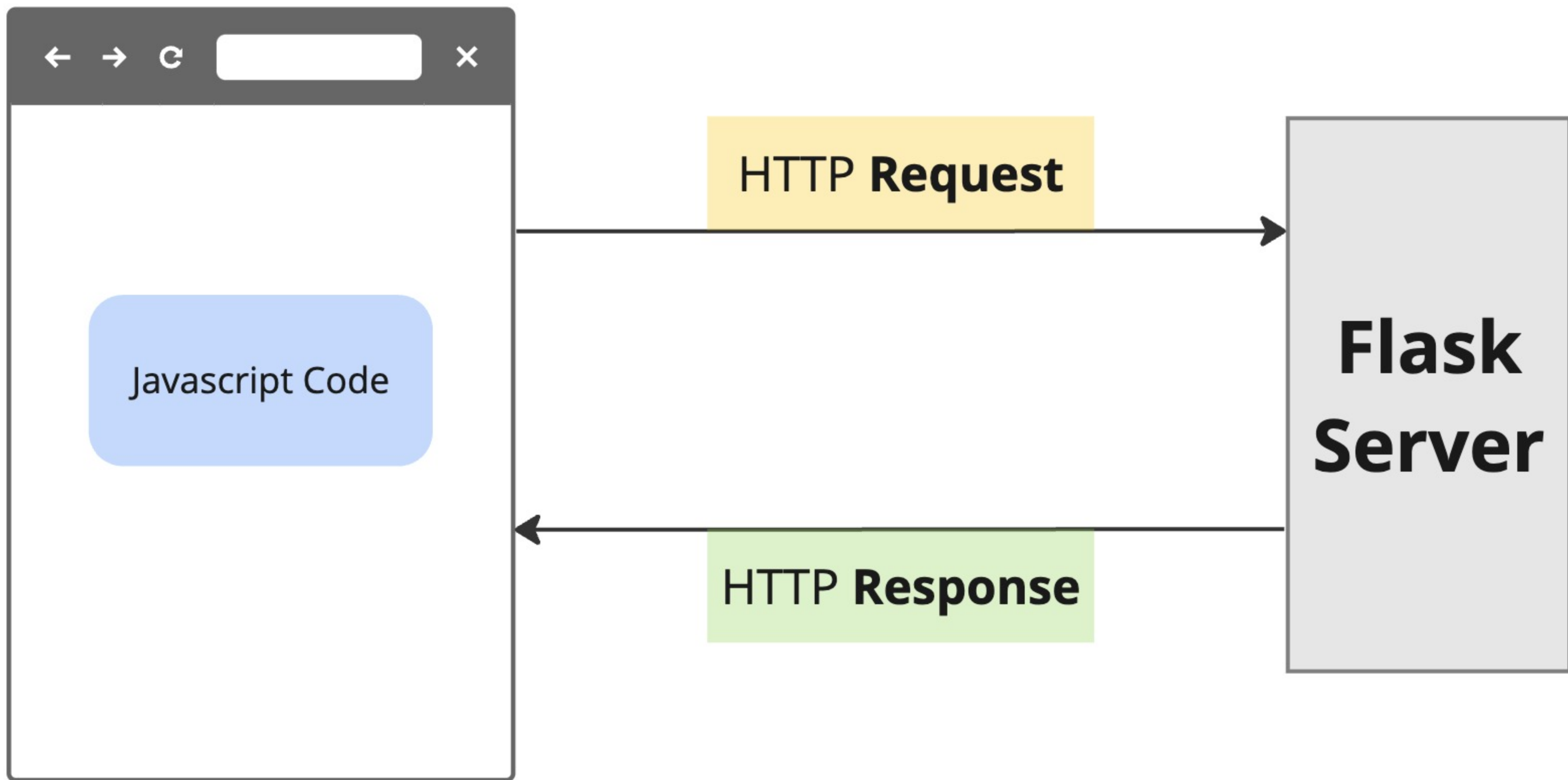
**This is an optional video for people who
don't have experience with web
development**

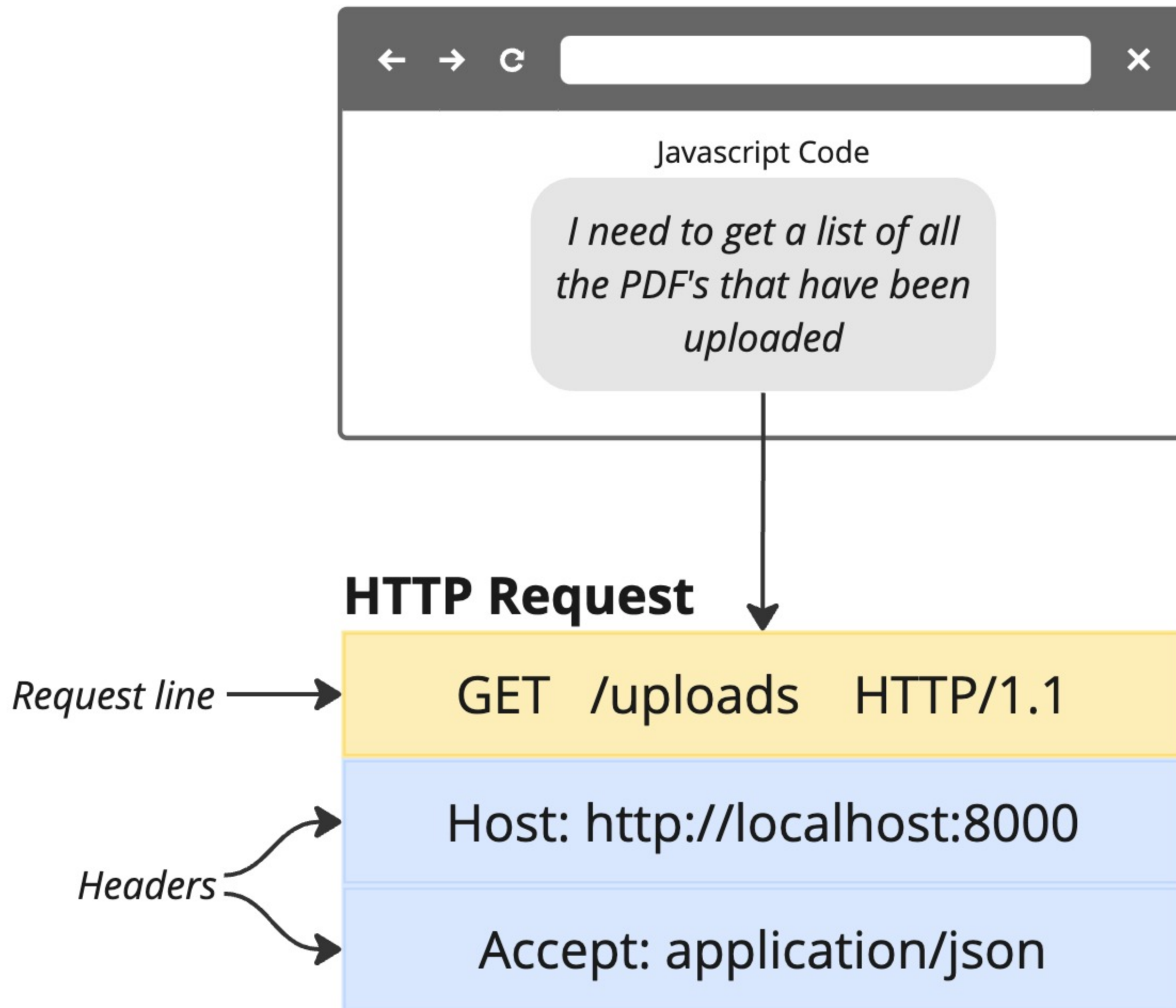


HTTP requests, routing
conventions



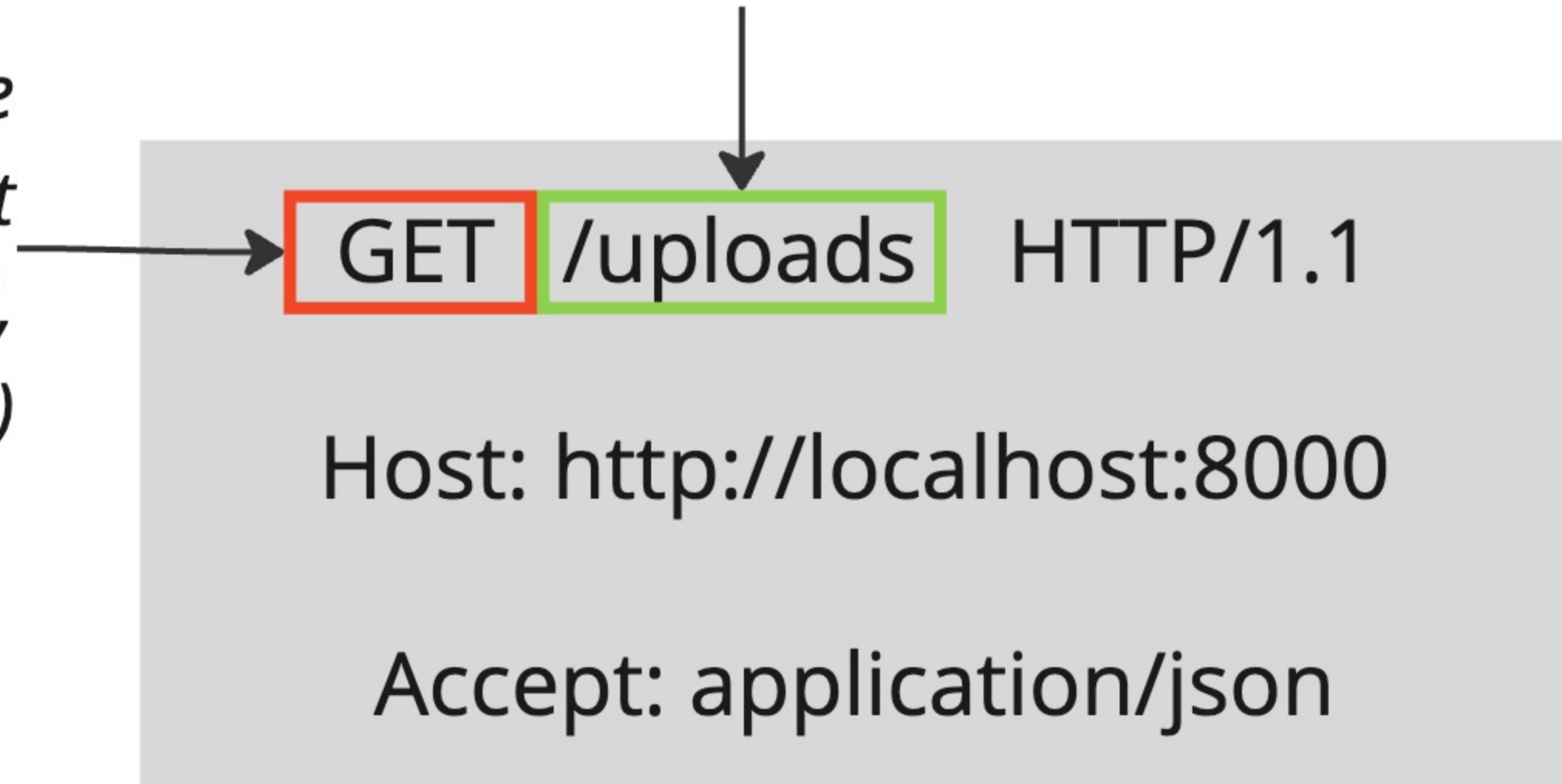
Feel free to skip!





Path. Describes exactly
what info we're trying to
access

Method. Describes the
purpose of the request
(get info, create a record,
update a record)



*Some requests have
a "message body".
This used to send
some information to
the server*

**Message
body**



```
POST /messages HTTP/1.1
```

```
Host: http://localhost:8000
```

```
Accept: application/json
```

```
{  
  "conversation_id": 3,  
  "content": "What is this pdf about?",  
  "role": "human"  
}
```


Method → GET /uploads HTTP/1.1

Name	Purpose	Can have a body
GET	Retrieve information	No
POST	Create a new record	Yes
DELETE	Delete a record	Yes
PUT	Completely update a record	Yes
PATCH	Update some parts of a record	Yes

We *can* ignore these! We can use (almost) any method for any purpose. These are *conventions* to make it easier for other engineers to understand how to interact with our server

By convention, different combinations of **methods** and **paths** will have very specific actions

GET /messages HTTP/1.1

POST /messages HTTP/1.1

PUT /messages/5 HTTP/1.1

DELETE /messages/3 HTTP/1.1



Database		
List of Messages		
id	content	role
3	What is this PDF about?	user
4	The pdf is about transistors	assistant

Retrieve a list of all messages

GET /messages

Flask
Server

Database

List of Messages

id	content	role
3	What is this PDF about?	user
4	The pdf is about transistors	assistant

Retrieve a specific message by ID

Database

List of Messages

GET /messages/4

Flask
Server

id	content	role
3	What is this PDF about?	user
4	The pdf is about transistors	assistant

Create a new record

Database

List of Messages

POST /messages

```
{  
  "content": "What pdf?",  
  "role": "human"  
}
```

Flask
Server

id	content	role
3	What is this PDF about?	user
4	The pdf is about transistors	assistant
5	What pdf?	human

Update a portion of a particular record

PATCH /messages/4

```
{  
  "role": "human"  
}
```

Flask
Server

Database

List of Messages

id	content	role
3	What is this PDF about?	user
4	The pdf is about transistors	human

Delete a particular record

DELETE /messages/4

Flask
Server

Database

List of Messages

id	content	role
3	What is this PDF about?	user