Creating and Processing Web Forms with Flask

CREATING WEB FORM VIEWS AND TEMPLATES



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Overview



Case Study: Globomantics web shop

Creating views and templates

Web forms

SQLite storage

Flash messages

Flask-WTF (WTForms)



Globomantics Prototype **Create item form**

Update item form

Delete item form

Filter form

Comment form





Creating base views and templates
Creating the Flask server



The Basics of Web Forms



```
<form>
<input type="text">
<input type="checkbox">
<input type="radio">
<select>
  <option value="1"></option>
  <option value="2"></option>
</select>
<input type="submit" value="Submit">
</form>
```

- ◆ Form tag
- **◄** Text input
- ◆ Checkbox

■ Radio button

■ Select field

◄ Submit button

Form Tag Attributes

Method

Defines the HTTP method

Action

Defines where to send the form data



POST HTTP Method

Used to send data to the server Stores data in the request body



GET HTTP Method

Appends data to the URL Used to request data



Sign-in Form





Image Upload

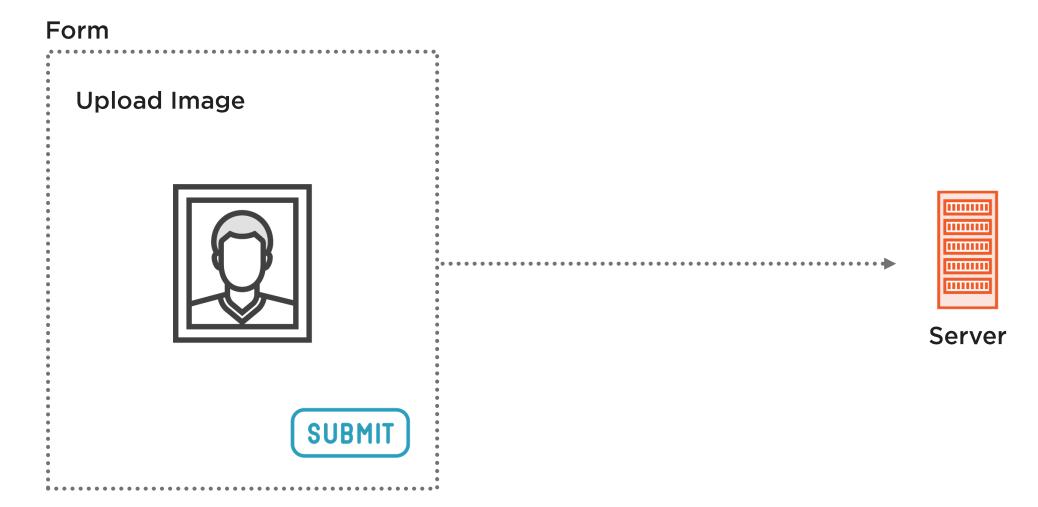




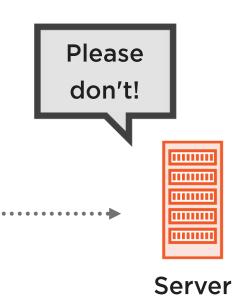
Image Upload

Form

Upload Image

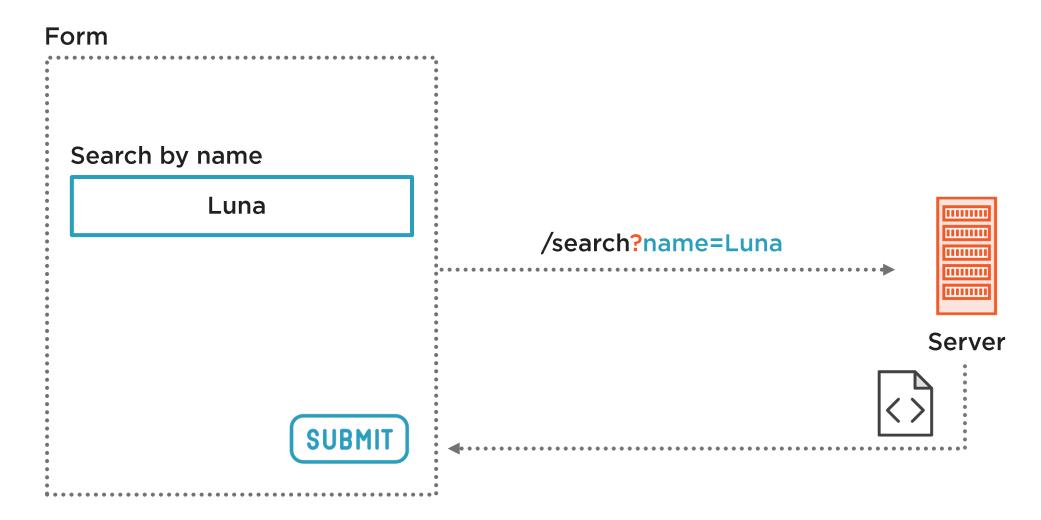
iVBORw0KGgoAAAANSUhEUgAAAyA AAAJYCAYAAACadoJwAACAAEIEQV R42uzdB7gcZfn3Volim+Gogu8e85J713 EkJCKKH3AKE36QLSkSp/KSq9SVEUR EEBEZUmCAolgvQilCBFegih99ACgSSk kd7OOXmvwd/6juPM7mzfs+f3ua655Jy zOzszuxOfe5/nvu8OmFmlNABDge2Ar YB1gWFAH6Az0ALMBCYCbwBPafslaP blMzMzMzOztIHHSOAc4FVglbBUWysw F5gETAEWhf62GPgAuBIYDTT5UpqZm ZmZWTbdgWOB8Qo2MsHFEuAF4IfAls CqwBrAN4HfKPAIP34ycLL2Z2ZmZmZ m9j9WAK6PzHgE2/vAScDAhOc1AKsA FwCfh54X7OdPwAhfWjMzMzMzCwuCi 79HAo+lmgkZncd+DgRmR/YR7HeQL7 GZmZmZmWX8OLKEKtjmA0fmuZ+Ow O8j+wn2e55mSszMzMzMrJ0bDrwbM/t xE9C1gP2tDLwT2denvoliwJq+1GZmZm Zmto8qWIUDhmnAZkXs86yYgOZ0X2o zMzNraxp9CcxKbpCWToU9C7xcxD4fU hATtqX6h5iZmZk5ADGz......



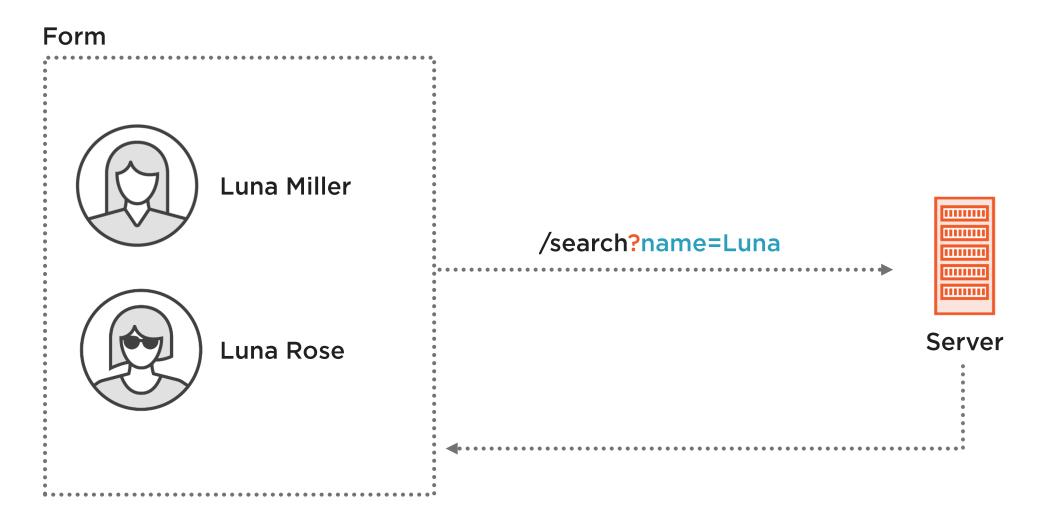




Search Box



Search Box





Standard HTTP Methods

GET

Used to request data

POST

Used to send data



Web Forms in Flask



GET method data

- request.args

POST method data

- request.form



Extracting data from the request object
Creating the form for submitting items
Allowing POST requests



Setting up SQLite for Storing Form Data





Storing user input

Application Context





Show submitted items
Create flash messages





Introducing Flask-WTF package



Summary



Case study: Globomantics web shop

HTTP Methods

- GET
- POST

Request object holds the form data

SQLite for storing user input

Application context

Flash messages

Flask-WTF package

