

Introduction to Flask Templates

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Siddhartha Sarkar

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Learning Objectives

We will learn to



Learning Objectives

We will learn to

- Use templates in Flask



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We will learn to

- Use templates **in Flask**
- Use variables **inside** templates



Learning Objectives

We will learn to

- Use templates in **Flask**
- Use variables **inside** templates
- **Gain insight about the View part** of MVC



System Requirements



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- **Ubuntu Linux 16.04**



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- **Python 3.5.2**



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- **Atom text editor 1.22.1**



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- **Ubuntu Linux 16.04**
- **Python 3.5.2**
- **Atom text editor 1.22.1**
- **Firefox Web Browser**



Pre-requisites



Pre-requisites

- `Linux commands`



Pre-requisites

- Linux **commands**
- Python programming language



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- Linux **commands**
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- HTML **syntax**



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Pre-requisites

- Linux **commands**
- Python programming language
- HTML **syntax**

If not, then please go through the corresponding tutorials on <http://spoken-tutorial.org>



MVC Architecture

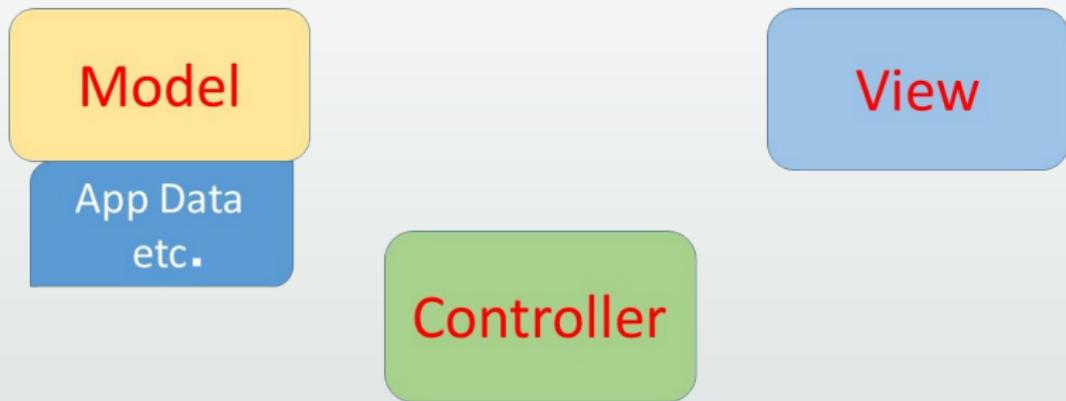
Model

View

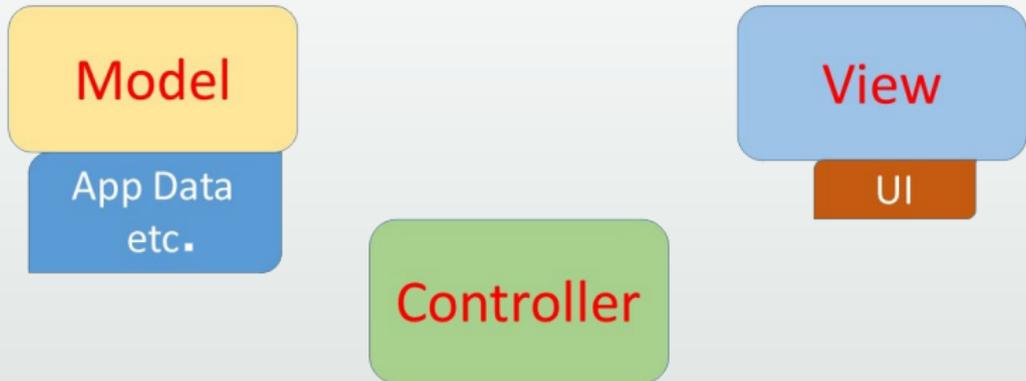
Controller



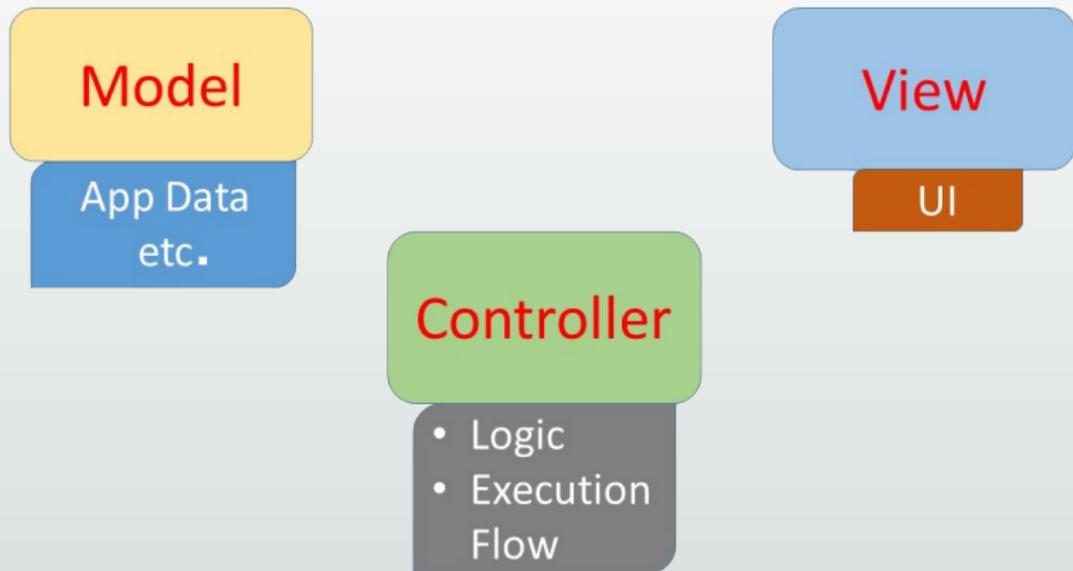
MVC Architecture



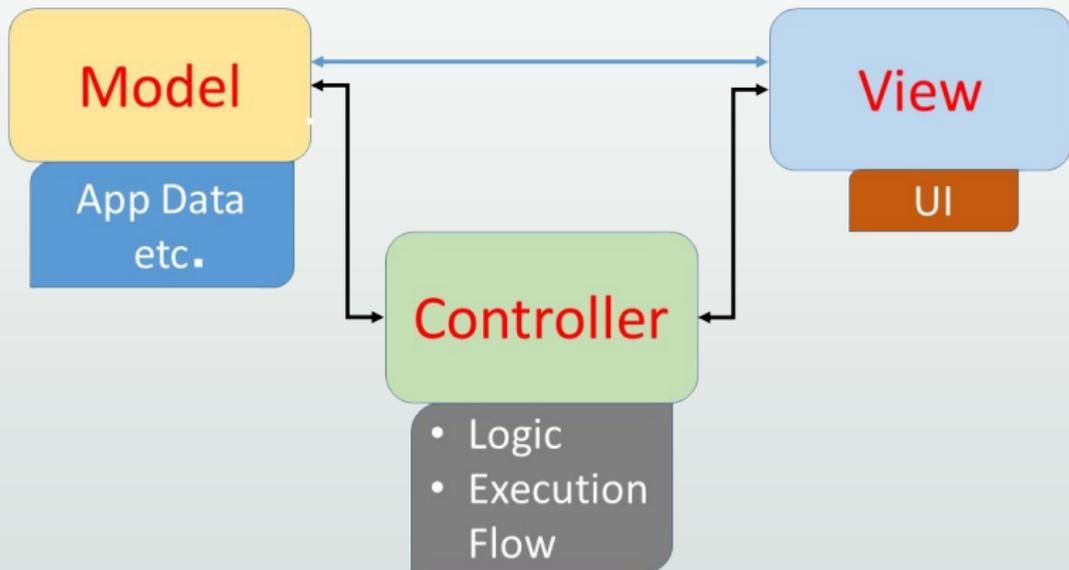
MVC Architecture



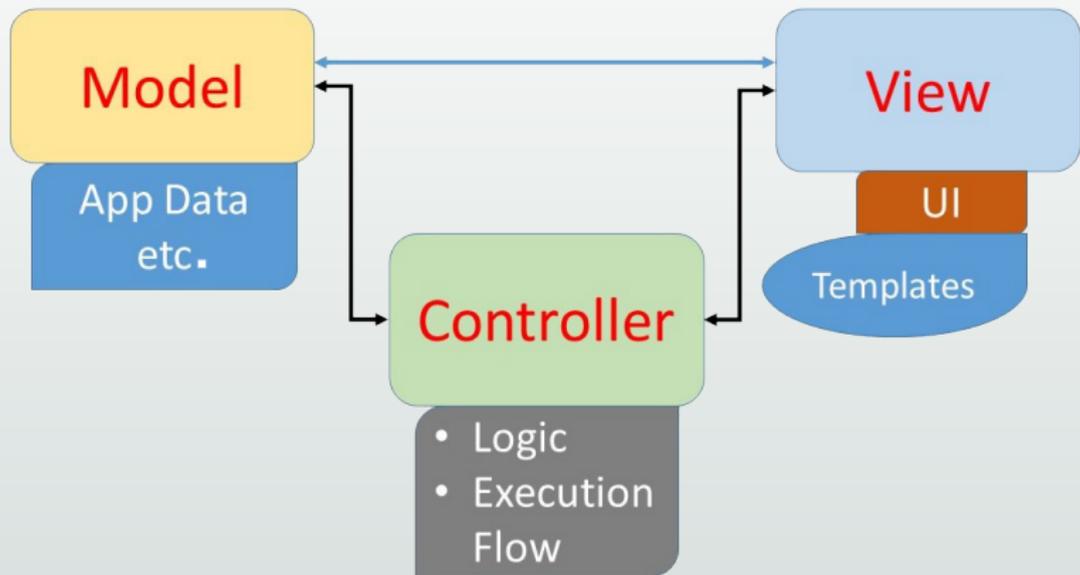
MVC Architecture



MVC Architecture



MVC Architecture



Templates

- So far we have simply returned **HTML code** from the `view` functions



Templates

- So far we have simply returned **HTML code** from the `view` functions
- By using templates one can return an **HTML file** from the `view` functions



Templates

- One HTML file can inherit HTML code from another file with the help of templates



Templates

- **One HTML file can inherit HTML code from another file with the help of templates**
- **For example, a typical website has some logo, header, etc. common in all pages**



Templates

- So one can write a base HTML file template



Templates

- So one can write a base HTML file template
- And other pages can inherit the same base HTML file template



Jinja

Jinja is



Jinja

Jinja is

- a **powerful** templating language



Jinja

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- **allows generating HTML** on the fly based on the request



Jinja

Jinja is

- a **powerful** templating language
- **allows generating HTML** on the fly based on the request
- **supports** control structures



Jinja is

- a **powerful** templating language
- **allows generating HTML** on the fly **based on the request**
- **supports** control structures
- **enables inheritance of HTML code**



Summary

In this tutorial we learnt about

- **templating in flask to write clean code**
- **using variables in the jinja2 templating language**
- **the View part of MVC**



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates on passing online test
- For more details, please write to contact@spoken-tutorial.org



Forum for specific questions

- Do you have questions in **THIS Spoken Tutorial?**
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



Acknowledgements

- **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- **More information on this Mission is available at**

<http://spoken-tutorial.org/NMEICT-Intro>

