

First Flask web app

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives

In this tutorial, we will learn to



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In this tutorial, we will learn to

- **Write and analyze our first Flask application**



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In this tutorial, we will learn to

- **Write and analyze our first** Flask application
- **Concept of** Routes **and** View functions



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In this tutorial, we will learn to

- **Write and analyze our first** Flask application
- **Concept of** Routes **and** View functions
- **About** Dynamic content **served by** dynamic URLs



System Requirements



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- **Ubuntu Linux 16.04 OS**



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- **Python 3.5.2**



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- **Atom text editor 1.22.1**



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- **Python 3.5.2**
- **Atom text editor 1.22.1**
- **Firefox Web Browser**



Pre-requisites

- You should have working knowledge on Linux commands and basic Python programming



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- You should have working knowledge on Linux commands and basic Python programming
- If not, then please go through the corresponding tutorials on <http://spoken-tutorial.org>



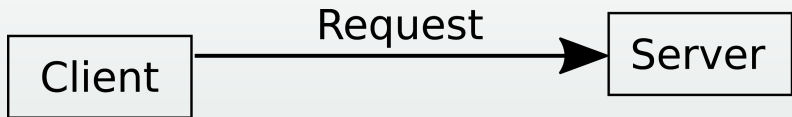
Routes

Client

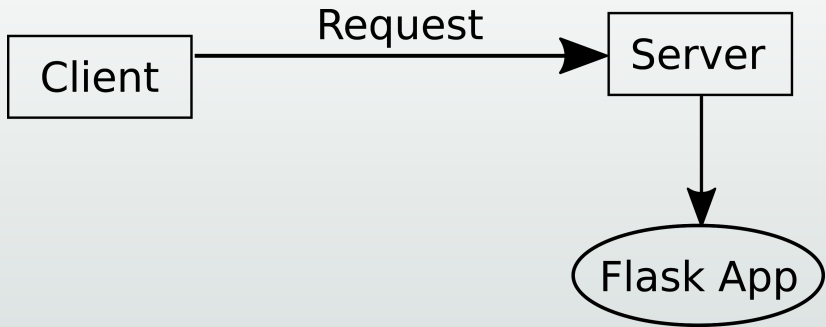
Server



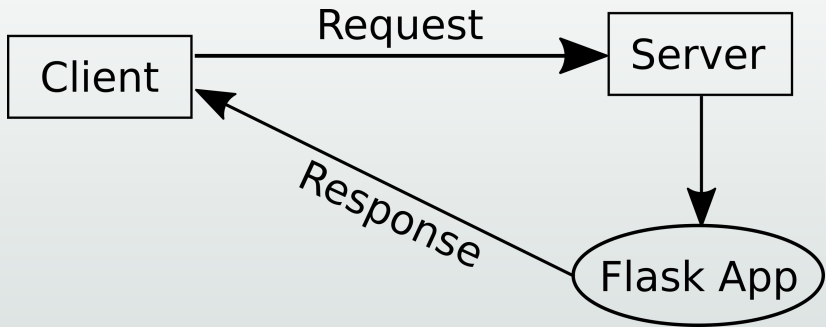
Routes



Routes



Routes



Routes

- The application **instance** knows **which** function **to execute** for **which** URL



Routes

- The application **instance** knows **which** function **to execute** for **which** URL
- This happens because it keeps a **mapping of the URLs to functions**



Routes

- The application **instance** knows **which** function **to execute** for **which** URL
- This happens because it keeps a **mapping of the URLs to functions**
- Here we need the concept of routes



Routes

- The association between a URL and the function that handles it, is called a route



Routes

- **The association between a URL and the function that handles it, is called a route**
- **The Flask app executes the associated function and returns a response**



Routes

- Routes **can be either static or** dynamic



Routes

- Routes **can be either** static **or** dynamic
- **In the present case, we have a** static route



Example URL



Example URL

- Facebook **individual user's** URL:
www.facebook.com/profile_id



Example URL

- Facebook **individual user's** URL:
www.facebook.com/profile_id
- [profile_id](#) - Unique ID of a Facebook user



Example URL

- Facebook **individual user's** URL:
www.facebook.com/profile_id
- [profile_id](#) - Unique ID of a Facebook user
- **Depending on the** Unique ID, Facebook **server fetches the individual** profile pages



Summary

In this tutorial, we learnt about

- The working of our first Flask application
- The concepts of routes and to view functions



Summary

In this tutorial, we learnt about

- **Running a Flask app in a Web browser**
- Dynamic content **served by dynamic** URLs



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>



Thank You

Thanks for joining
<http://spoken-tutorial.org>

