## NAME ⬆

Catalyst::Manual::Tutorial - Catalyst Tutorial: Overview

## DESCRIPTION ⬆

The Catalyst framework is a flexible and comprehensive environment for quickly building high-functionality web applications. This tutorial is designed to provide a rapid introduction to its basics and its most commonly used features while focusing on real-world best practices.

We suggest that you read this introduction on the web. Make sure you are reading the latest version of the tutorial by visiting https://metacpan.org/module/Catalyst::Manual::Tutorial. Alternatively you can use CPAN modules like Pod::Webserver, Pod::POM::Web, Pod::Browser (Catalyst based), or CPAN::Mini::Webserver to read a local copy of the tutorial.

The tutorial is divided into the following sections:

**NOTE: CLICK THESE LINKS TO JUMP TO CHAPTERS** (the index links above only navigate inside this page).

1. Introduction
2. Catalyst Basics
3. More Catalyst Basics
4. Basic CRUD
5. Authentication
6. Authorization
7. Debugging
8. Testing
9. Advanced CRUD
10. Appendices

Final code tarballs for each chapter of the tutorial are available at http://dev.catalyst.perl.org/repos/Catalyst/trunk/examples/Tutorial/.

## Detailed Table of Contents ⬆

### Chapter 1: Intro

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### Chapter 2: Catalyst Basics

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### Chapter 3: More Catalyst Basics

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## Chapter 4: Basic CRUD

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## Chapter 5: Authentication

Note: Click on the heading in the previous line to jump to the actual chapter. Below is a "table of contents" for this chapter.

- USING THE SESSION FOR FLASH
  - Try Out Flash
  - Switch To Flash-To-Stash

## Chapter 6: Authorization

Note: Click on the heading in the previous line to jump to the actual chapter. Below is a "table of contents" for this chapter.

- BASIC AUTHORIZATION
  - Update Plugins to Include Support for Authorization
  - Add Config Information for Authorization
  - Add Role-Specific Logic to the ``Book List'' Template
  - Limit Books::add to admin Users
  - Try Out Authentication And Authorization
- ENABLE MODEL-BASED AUTHORIZATION

## Chapter 7: Debugging

Note: Click on the heading in the previous line to jump to the actual chapter. Below is a "table of contents" for this chapter.

- LOG STATEMENTS
- RUNNING CATALYST UNDER THE PERL DEBUGGER
- DEBUGGING MODULES FROM CPAN
- TT DEBUGGING

## Chapter 8: Testing

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- RUNNING THE "CANNED" CATALYST TESTS
- RUNNING A SINGLE TEST
- ADDING YOUR OWN TEST SCRIPT
- SUPPORTING BOTH PRODUCTION AND TEST DATABASES

## Chapter 9: Advanced CRUD

Note: Click on the heading in the previous line to jump to the actual chapter. Below is a "table of contents" for this chapter.

- ADVANCED CRUD OPTIONS

## Chapter 10: Appendices

Note: Click on the heading in the previous line to jump to the actual chapter. Below is a "table of contents" for this chapter.

- APPENDIX 1: CUT AND PASTE FOR POD-BASED EXAMPLES
  - "Un-indenting" with Vi/Vim
  - "Un-indenting" with Emacs
- APPENDIX 2: USING MYSQL AND POSTGRESQL
  - MySQL
  - PostgreSQL
- APPENDIX 3: IMPROVED HASHING SCRIPT

## THANKS ⬆

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## AUTHOR ⬆

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Feel free to contact the author for any errors or suggestions, but the best way to report issues is via the CPAN RT Bug system at https://rt.cpan.org/Public/Dist/Display.html?Name=Catalyst-Manual.

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