

Axim Collaborative Engineering presents...

An Open edX Documentation Tutorial

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<https://tinyurl.com/oe-docs-tut>



Today's Plan: Choose Your Own Adventure!

Developers

You're in this group if you have a local development environment and know what virtual environments are

Content Experts (Non-Developers)

Otherwise, you're in this group!

Today's Plan: Choose Your Own Adventure!

Developers

1. Introduction to Docs & Diataxis
2. ReStructured Text (RST) Primer
3. Setup
4. Practice
5. PR your changes upstream
6. Review Each Other's Work

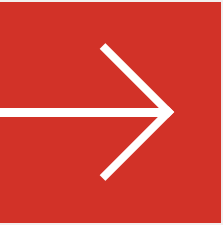
Today's Plan: Choose Your Own Adventure!

Developers

1. Introduction to Docs & Diataxis
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Content Experts (Non-Developers)

1. Introduction to Docs & Diataxis
2. ReStructured Text (RST) Primer
3. Intro to GitHub & Pull Requests
4. Docs Tutorial
5. Practice
6. Let's Write Some Stuff!
7. Review Each Other's Work



Introduction To: Diataxis & RST

TUTORIALS

LEARNING-ORIENTED

Most useful when we're studying

UNDERSTANDING-ORIENTED

EXPLANATION

Practical steps

Theoretical knowledge

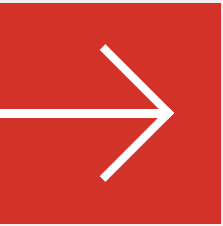
HOW-TO GUIDES

PROBLEM-ORIENTED

Most useful when we're working

INFORMATION-ORIENTED

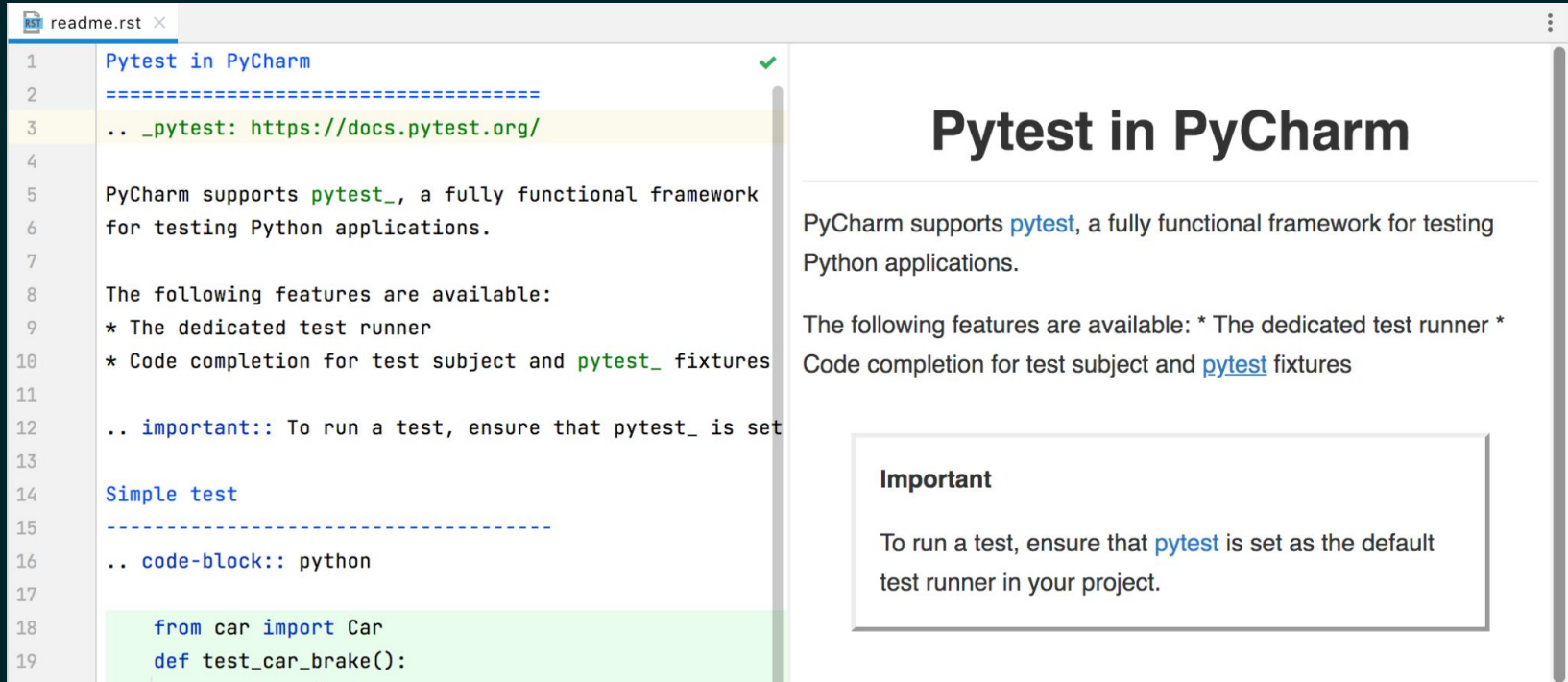
REFERENCE



Introduction To: ReStructured Text (RST)

RST is...

... a language that allows you to specify formatting as you type



The screenshot shows a code editor window titled 'readme.rst'. The left pane displays the source RST code, and the right pane shows the rendered HTML output. The RST code includes a title, a link to the Pytest documentation, a paragraph of text, a list of features, and a code block for a simple test. The rendered HTML shows the corresponding visual layout, including a title, a paragraph, a list, and a highlighted 'Important' box.

```
1 Pytest in PyCharm
2 =====
3 .. _pytest: https://docs.pytest.org/
4
5 PyCharm supports pytest, a fully functional framework
6 for testing Python applications.
7
8 The following features are available:
9 * The dedicated test runner
10 * Code completion for test subject and pytest_ fixtures
11
12 .. important:: To run a test, ensure that pytest_ is set
13
14 Simple test
15 -----
16 .. code-block:: python
17
18     from car import Car
19     def test_car_brake():
```

Pytest in PyCharm

PyCharm supports `pytest`, a fully functional framework for testing Python applications.

The following features are available: * The dedicated test runner * Code completion for test subject and `pytest` fixtures

Important

To run a test, ensure that `pytest` is set as the default test runner in your project.

Why Use It?



Strong Python/JS Integration



Built-in advanced Components



Extensions Framework and Ecosystem

Some Basic Syntax

RST

```
*text1*
```

```
**text2**
```

```
``text3``
```

```
* item1
```

```
* item2
```

```
#. newitem1
```

```
#. newitem2
```

```
`My Cool Link <fake.url.com>`_
```

Rendered

text1

text2

text3

- item1
- item2

1. newitem1
2. newitem2

[My Cool Link](#)



Some Basic Syntax - Headers

RST

Header 1
#####

Header 2

Header 3
=====

Header 4

Rendered

Header 1

Header 2

Header 3

Header 4



A Couple of Common but more Complex Things

Directives - A structure markup, builtin in but also how extensions are exposed.

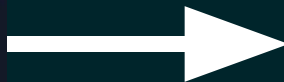
```
4  
5 .. toctree::  
6     :glob:  
7  
8     *
```



- How To Add a Catalog File
 - Assumptions
 - Steps
- How To Add Sphinx Docs to a Repo
 - Assumptions
 - Steps
- How To Enable Python Upgrade Automation
 - Assumptions
 - Steps

A Couple of Common but more Complex Things

```
31 #. Add a ``docs.in`` file in the ``requirements``
32
33
34 .. code::
35
36     # Requirements to build the documentation.
37     -c constraints.txt
38
39     sphinx
40     sphinx-book-theme
41     sphinx-copybutton
42     sphinx-autobuild
43     sphinxcontrib-mermaid
44     sphinxcontrib-contentui
```



1. Add a `docs.in` file in the `requirements` folder with the following content.

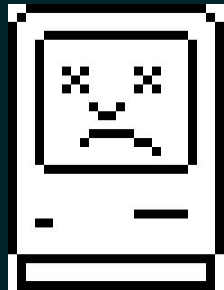
```
# Requirements to build the documentation.
-c constraints.txt

sphinx
sphinx-book-theme
sphinx-copybutton
sphinx-autobuild
sphinxcontrib-mermaid
sphinxcontrib-contentui
```

Syntax Error

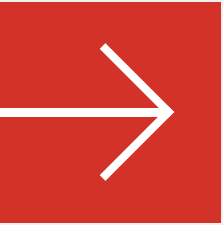
```
/home/feanil/work/src/openedx/docs.openedx.org/source/documentors/referenc  
es/index.rst:4: ERROR: Unknown directive type "tictree".
```

```
.. tictree::  
    :glob:  
  
    *
```



Helpful Resources

- Open edX Quick Reference Guide:
https://docs.openedx.org/en/latest/documentors/references/quick_reference_rst.html
- RST Primer:
<https://www.sphinx-doc.org/en/master/usage/restructuredtext/basics.html>
- Google!



Choose Your Own Adventure: Developers

[Content Experts, click here to skip to your section!](#)

Setup

Setup

```
$ git clone git@github.com:openedx/docs.openedx.org.git
```

```
$ cd docs.openedx.org
```

```
$ mkvirtualenv docs.openedx.org # or however you manage venvs  
$ # active your venv if you need to
```

```
$ make requirements
```

```
$ sphinx-autobuild source build/html -a
```

```
$ open http://localhost:8000 # Go to localhost:8000
```

RST Practice

Duplicate the Docs!

1. Go to the [Sample Docs](#)
2. Duplicate an Exercise Page
3. Get it reviewed by a Peer

Do this for both [Exercise 1](#) and [Exercise 2](#) before moving on to the 3rd exercise.



Before continuing...

Please sign your CLA if you haven't already!

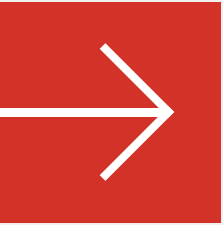
<https://openedx.org/cla>

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Write the Docs!

1. Go to the [Exercise 3](#)
2. Write some docs!
3. Put up a PR!





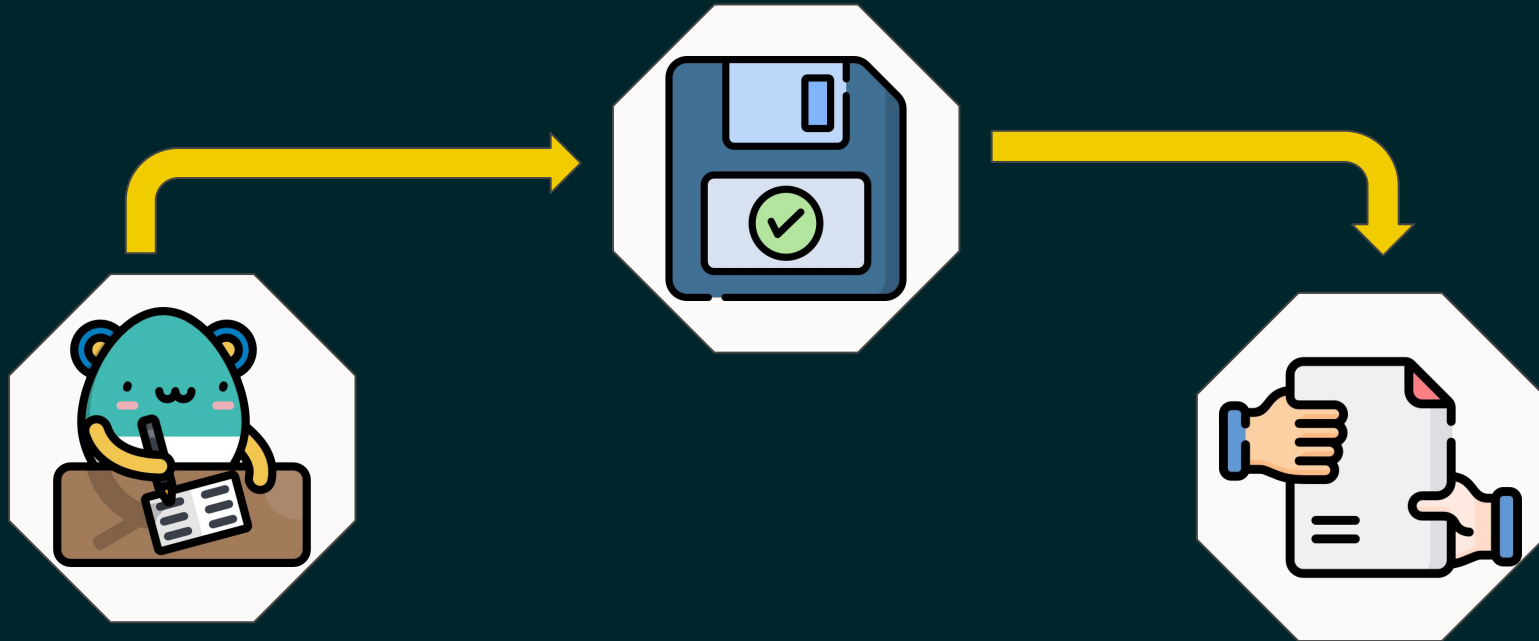
Choose Your Own Adventure: Content Experts

Intro to GitHub & Pull Requests + Docs Tutorial



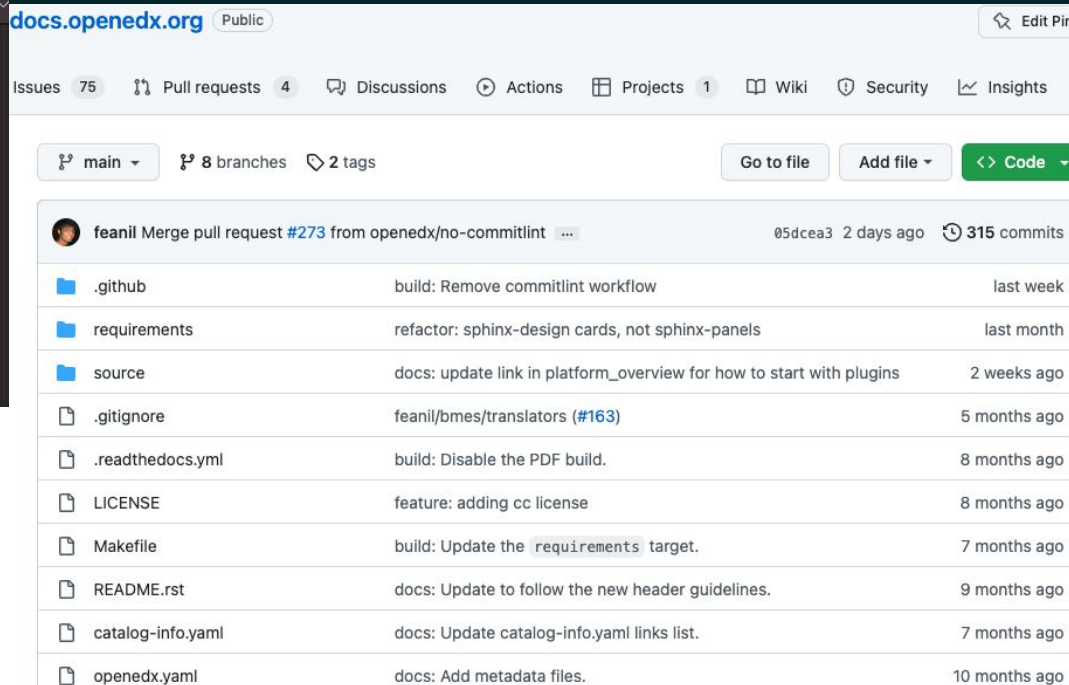
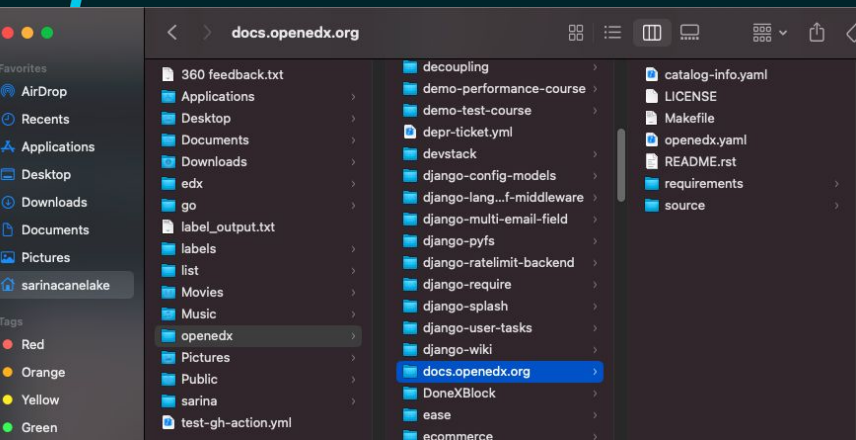
GitHub is...

... a place where people write, save, and share code (like Google Drive or DropBox)



GitHub is...

... similar to the filesystem you see on your computer (via “Finder”, on Mac)



Requesting Changes

In Google Docs, via “suggest changes” UI...

obcaecati earum sit sint ventis in sequi ducimus. in minus similique vel beatae corporis cum vitae tempore est sint corrupti et harum repellendus et eius quia.

Ex quia amet et quaerat tempore ex dolor nihil a libero eius et error omnis aut cupiditate voluptas ut dolorem voluptatem. ~~At aliquam quia aut tempora cumque hic sunt obcaecati.~~ Qui pariatur tempora non iste repellendus vel voluptatem cumque non nostrum maxime hic nulla culpa non possimus cumque est ratione modi? Est deleniti ipsum aut consequatur dolore non ipsum nisi quo pariatur possimus non maiores iste cum eius praesentium. Sit maxime optio ex itaque animi et similique quidem!

Nam modi repellat vel facilis dolor qui commodi impedit. Qui sint deserunt qui reiciendis impedit eos galisum dolorem ea molestias odit aut doloribus veritatis.



Sarina Canelake
11:53 AM Today



Replace: “*At aliquam quia aut tempora cumque hic sunt obcaecati.*” with “*Ex quia amet et quaerat tempore ex dolor nihil a libero eius et error omnis aut cupiditate voluptas ...*”

Requesting Changes

In GitHub, via “Pull Request” or “PR”...

fix: fully qualify Diataxis URL #276

[Open](#) sarina wants to merge 1 commit into `main` from `diataxis-link`

Conversation 0 Commits 1 Checks 0 Files changed 1

Changes from all commits File filter Conversations Jump to Settings

2 source/developers/how-tos/add-sphinx-docs-to-a-repo.rst

```
@@ -170,4 +170,4 @@ Steps
170 170      :doc: `/documentors/concepts/content_types`
171 171          A quick summary on the different types of documents.
172 172
173 - .. _diataxis: diataxis.fr
173 + .. _diataxis: https://diataxis.fr
```

Let's GitHub!

1. Visit github.com and make an account, if you don't already have one
2. Go through the [Open edX Documentors First Pull Request tutorial](https://tinyurl.com/first-pr-tutorial)



tinyurl.com/first-pr-tutorial

RST Practice



You can do it!

Let's RST!

1. Visit <https://github.com/sarina/rst-tutorial>
2. For each exercise, click the exercise, click "Edit", and follow instructions. Use the "Preview" tab to preview your work!
3. No need to make pull requests for your changes.

tinyurl.com/RST-101



Docs Tasks



*We're looking forward to
seeing what you do!*

Before continuing...

Please sign your CLA if you haven't already!

openedx.org/cla

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Let's Fix The Docs!

1. Go to docs you have context for and open in GitHub
 - a. Lots of docs sites to check out:
 - i. [Building & Running a Course](#)
 - ii. docs.openedx.org
 - iii. [edX Research Guide](#)
 - iv. [edX Insights](#)
2. Read through and edit/fix/update as much as you can
3. Make a PR!
4. Review other PRs!



Editing Docs in edx-documentation

Note: When editing docs in the edx-documentation repo, you may find a file that links to another file:

```
edx-documentation / en_us / course_authors / source / exercises_tools / checkbox.rst
```

 **mhoeber** Initial Upload

Preview Code Blame 2 lines (1 loc) · 59 Bytes

```
1  .. include:: ../../../../shared/exercises_tools/checkbox.rst
2
```



To find the file, you can use the search box in the top left of the window to search for the filename. Or, click on “en_us” above the file, and then go to the file based on its path name (in this example, “shared”, then “exercises_tools”, then “checkbox.rst”)

Thank You for attending!
Now, go forth and Write Docs!



Find us online...

- [#documentation](#) in the [Open edX Slack](#)
- feanil@axim.org & [@feanil](#) (GitHub)
- sarina@axim.org & [@sarina](#) (GitHub)