

Tutors



Editing a Course



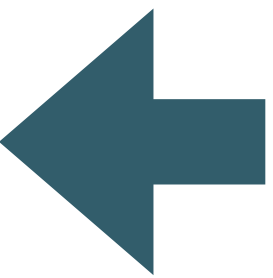
tutors

tutors-dark

tutors-dyslexia

black

wireframe



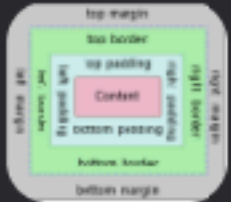

Change Theme

Labs Text Search

Switch to Compact Layout







Module Index




Module Syllabus



03: Box & Grid




Web Development







Web Development

03: Box & Grid








Programme Home


Current Module Home


Current Topic

Logged In As: 

 Tutors Time

 Tutors Live

 Github Profile

 Logout

Slack channel

Moodle resources

Youtube playlist

All Slides

All Labs




One Topic / Card  
for each week

Web Development  
Eamonn de Leastar, Pete Windle, WIT


Web Development

00: Module Overview




topics · schedules · calendar · assignments · html

01: Introducing HTML



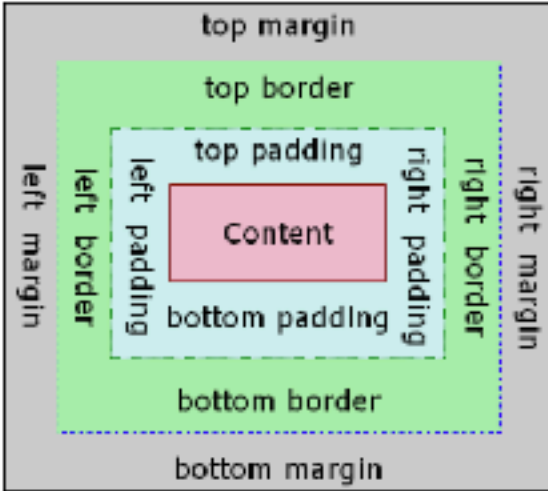
internet · web · client/server · browser · html · documents · ...

02: Introducing CSS




markup · style · function · style sheet · rules · selectors · font colour · ...

03: Box & Grid



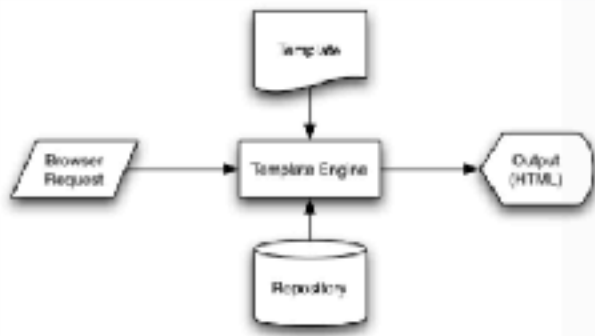
padding · border · margin · width · grid · grid-template-columns · grid-...

04: Navigation & UI Principles



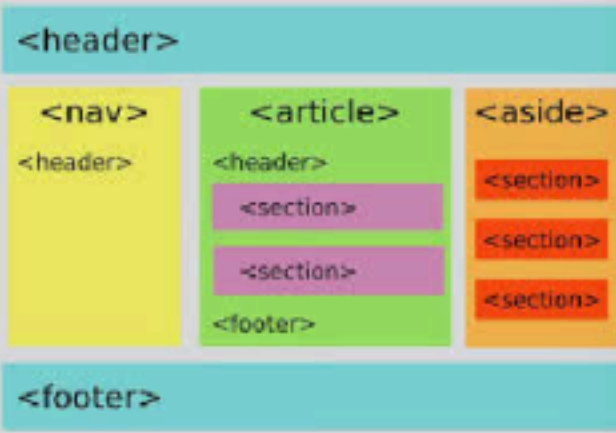
indentation · encoding · doctype · validity · semantics · entities · typ...

05: Templating & Colour




clients · servers · hosting · domains · dns · paths · http · command prompt · ..

06: Semantic HTML & Typography



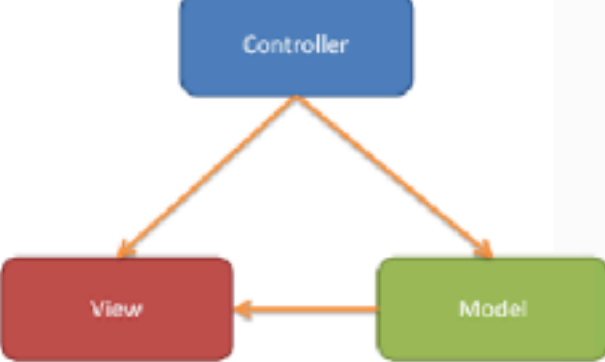
header · main · nav · aside · article · footer · section · figure · typeface · font

07: Frameworks



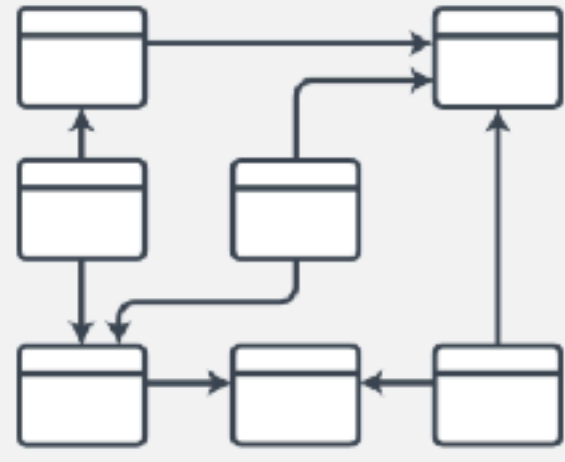
semantic-ui · frameworks · command line · ide · java · front-end · back-end

08: Models View Controller



Models · Views · Controllers · conf · request · response ·

09: Models



Playlist · Song · Database · entity · onetomany · conf · ..



02: Logical Database Design  
Database

Database > 02: Logical Database Desi...

Database Design and Implementation - Live Lecture 2

Higher Diploma in Computer Science  
**Database**

Watch on YouTube

02: Database Design - Logical

Concepts

Introduction

Here we introduce the section Logical Database...

Relational Model

In this lecture you will learn about the Relation...

Methodology

Logical Database Design 1

In this lecture you will learn about mapping ER diagrams to a set of...

Worked Example

Winery ID	Winery name	Address	Region ID
1	Moss Brothers	South Hill	1
2	Healy Brothers	James St.	1
3	Wineheads	Lethbridge Rd	1
4	Lindemans	Smith Ave	2
5	Orlando	James St.	1

Region ID	Region name	State
1	Rareona Valley	South Australia
2	Yarra Valley	Victoria
3	Margaret River	Western Australia

Step by step transformation of an ER diagram into a set of...

Worked Example Solution

Step by step transformation of an ER diagram into a set of...

Logical Data Modelling Lab

In this lab, you will gain practice at translating Entity Relationship (ER)...

Single topic  
(1 week)

Topic Video

Sub Topic 1

Sub Topic 2





# Subtopic

Layout



Box Layout

Some important characteristics of the box model layout rules.

Grid

The new Grid standard support a clean, simple way of defining multi-...


Lab-03b  
Multicolumn







header · maincontent ·  
navigation · footer ·  
primary · secondary






Slide PDFs







Lab



 **Introduction**  
Database



 >  Database >  02: Logical Database Design >  Concepts >  Introduction



1 of 1

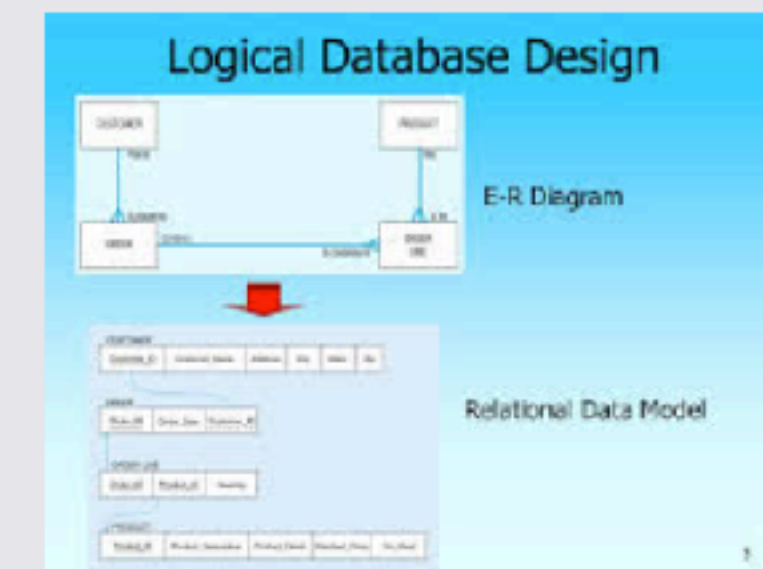
















# Logical Database Design

Introduction



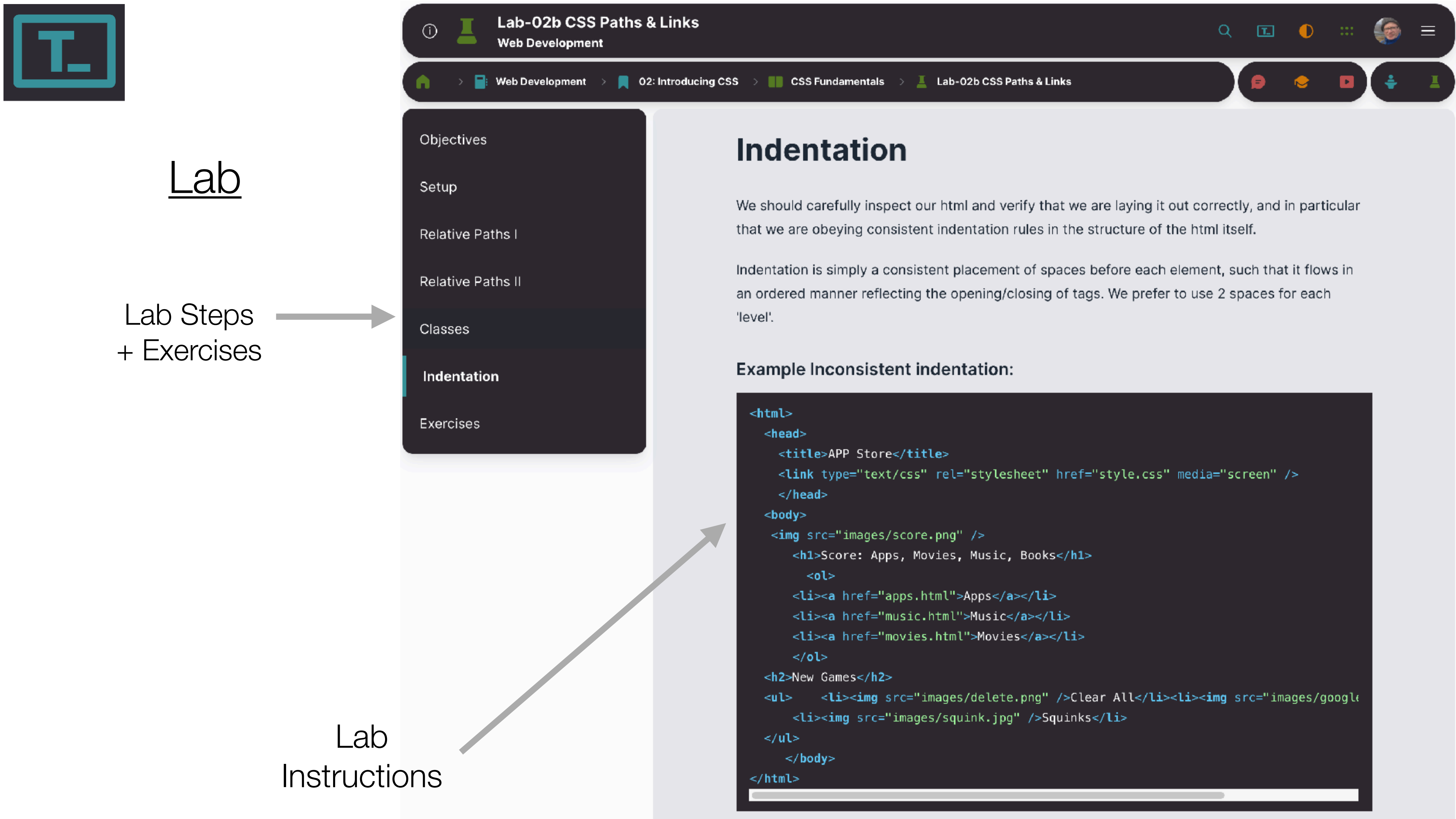
## 02: Logical Database Design



-  02: Database Design - Logical
-  Concepts
  -  Introduction 
  -  Relational Model 
-  Methodology
  -  Logical Database Design 1
  -  Worked Example
  -  Worked Example Solution
  -  Logical Data Modelling Lab
-  Final Steps
  -  Logical Database Design 2 

Topic  
Navigator

Topic  
Resources



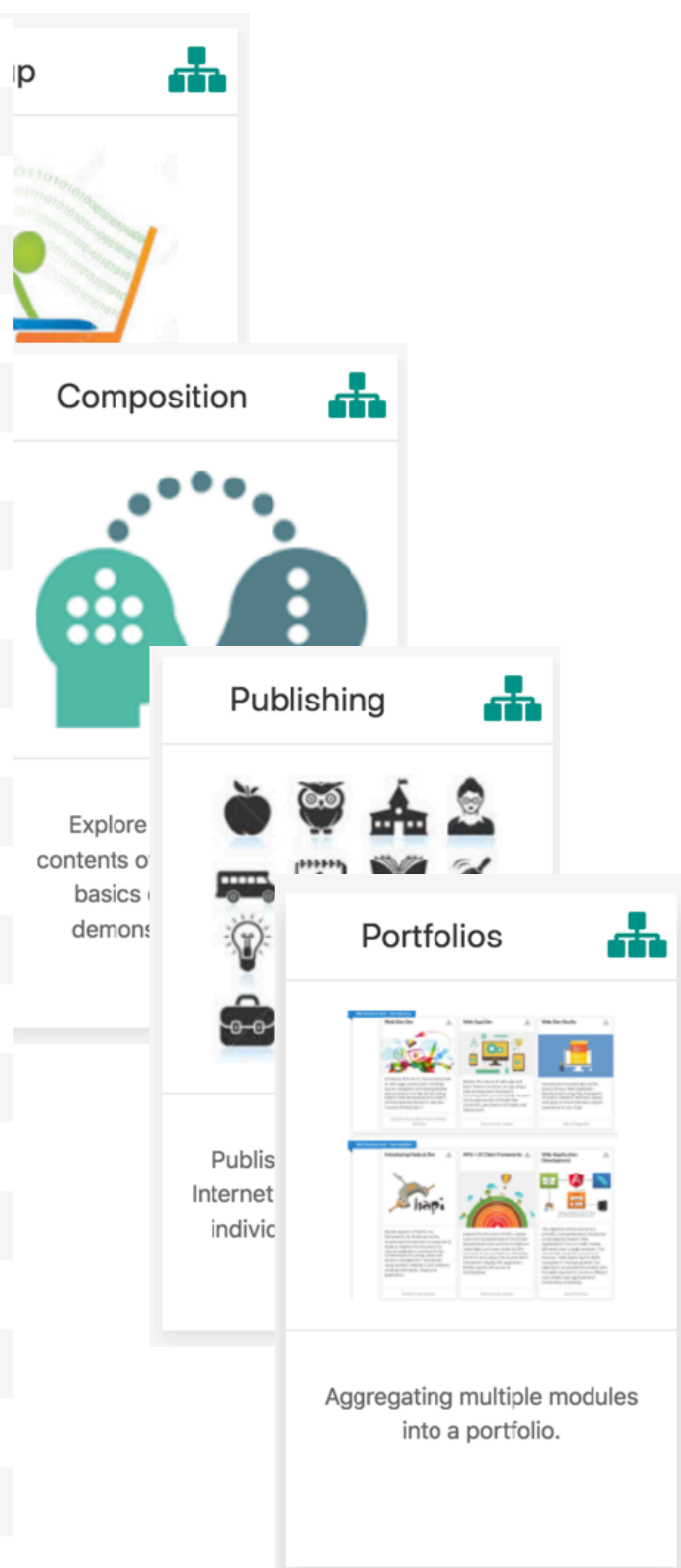
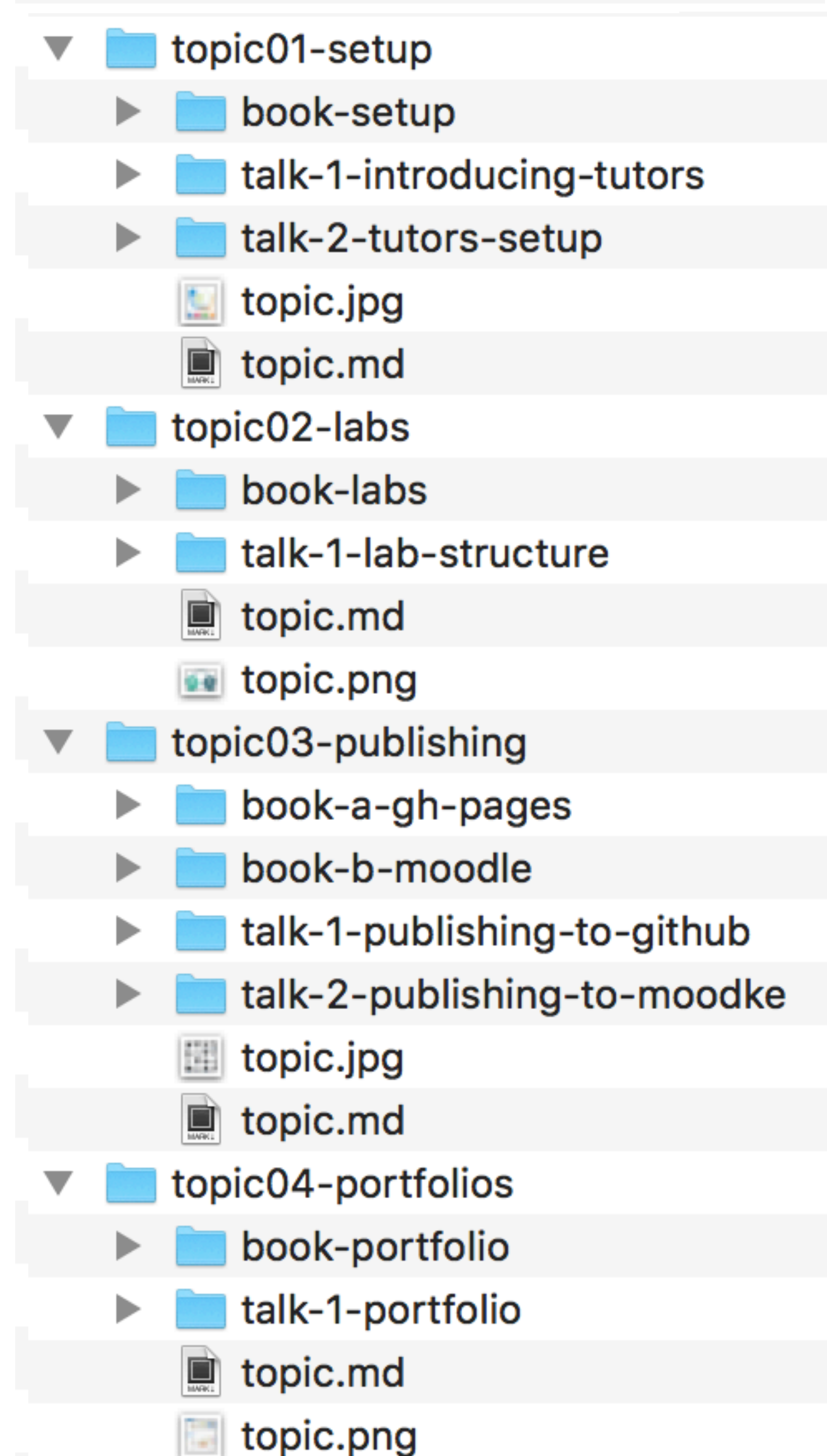


Semantic  
folder/file  
names

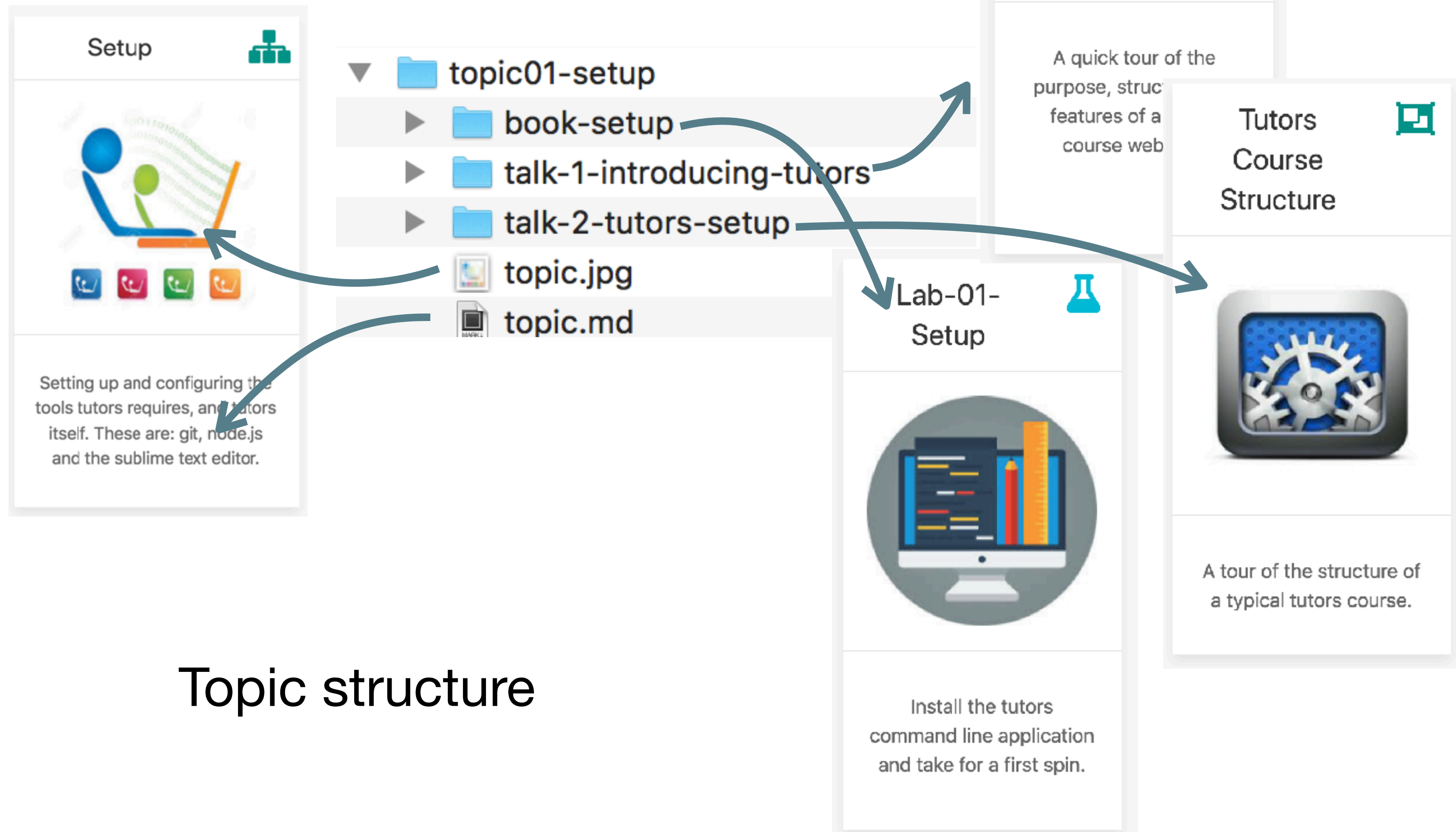
topicXXX ->  
topic

bookXXX ->  
lab

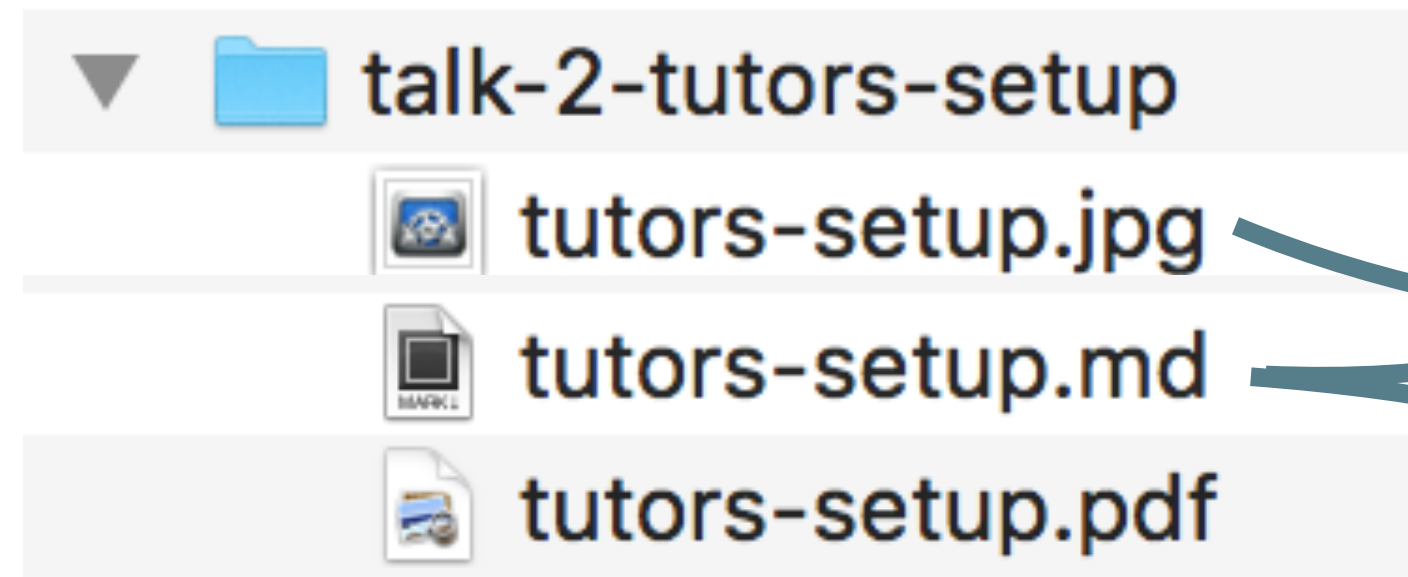
talkXXX ->  
talk





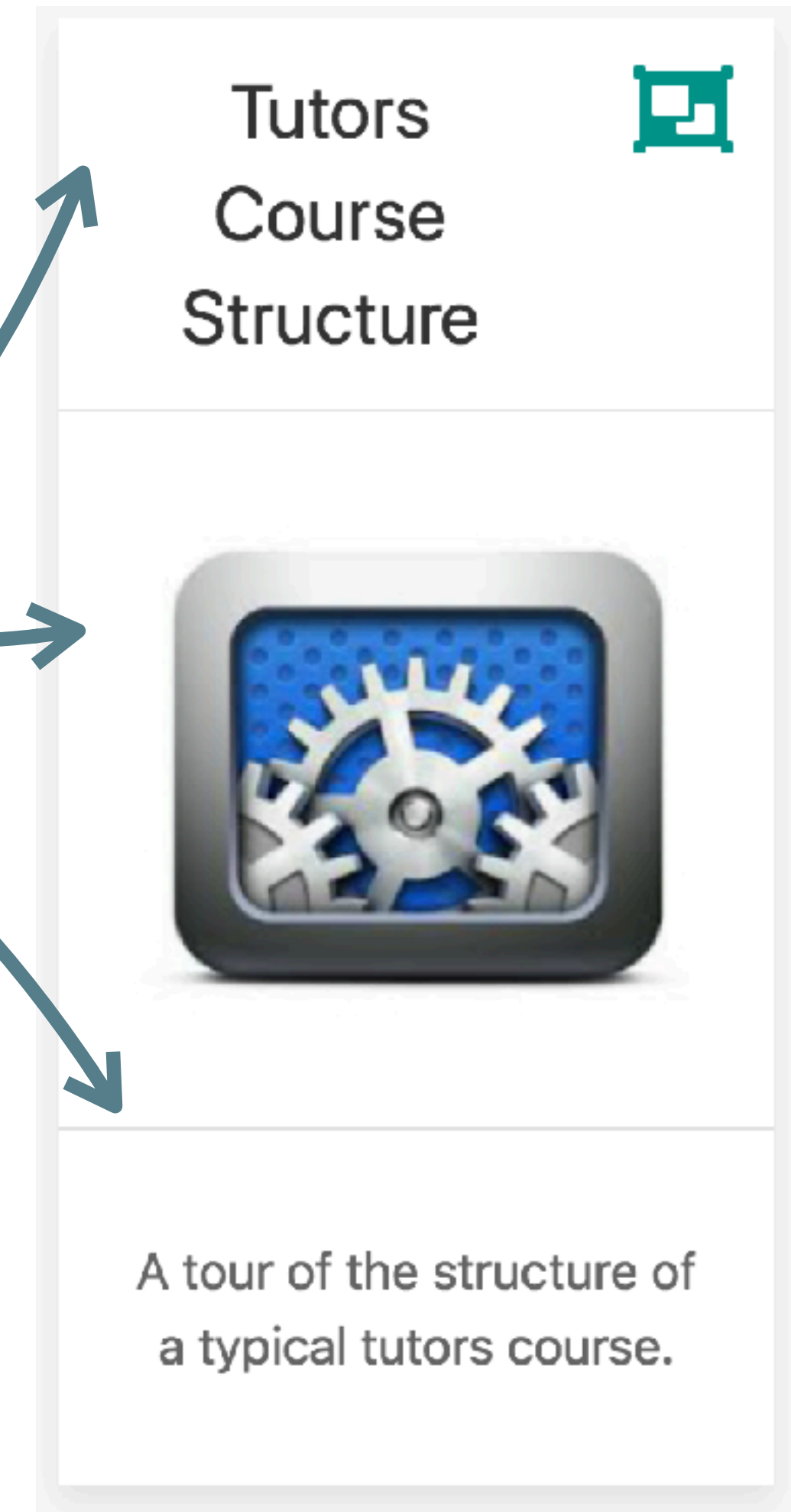


## Talk structure



all files  
same name

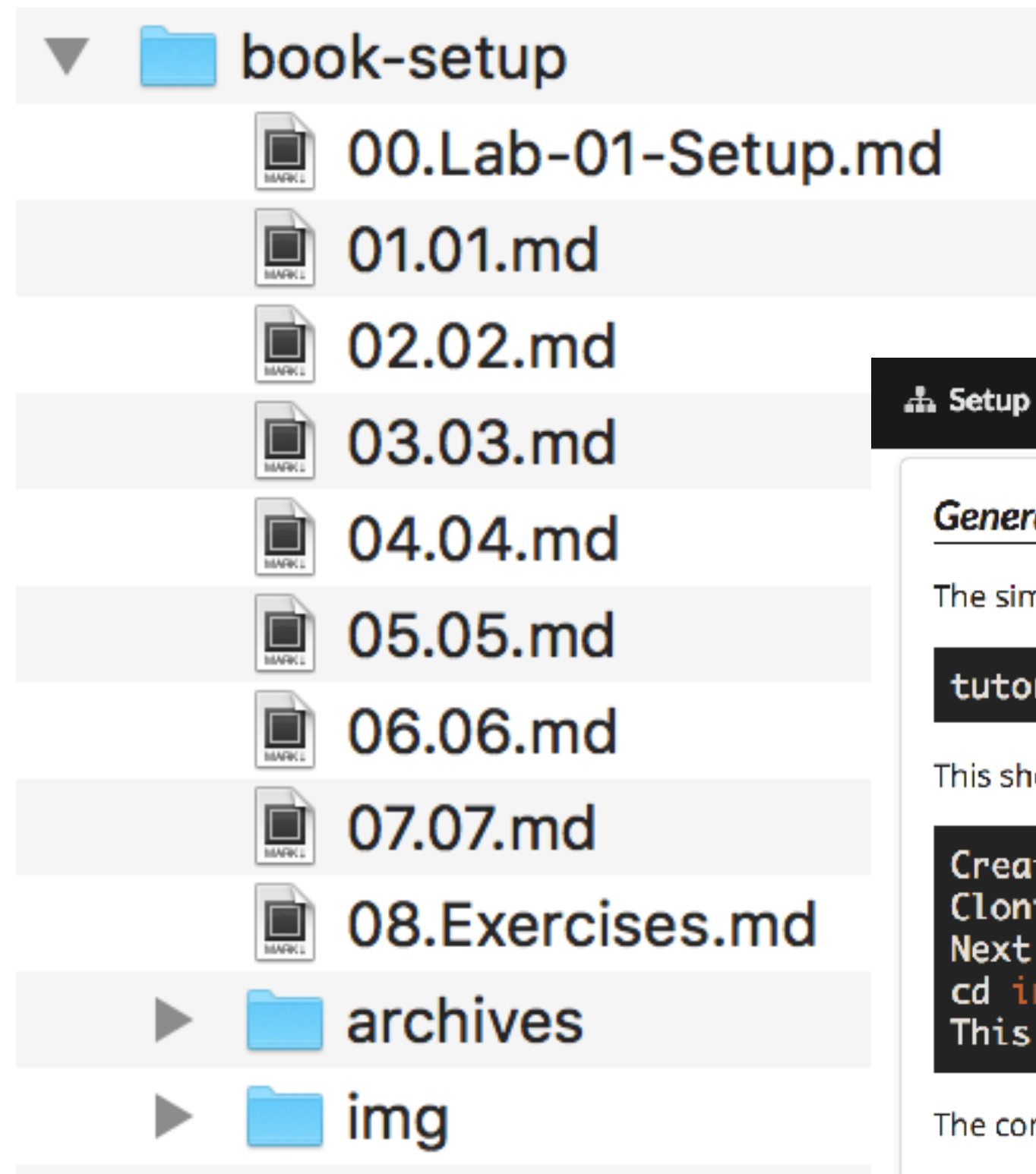
- image
- pdf
- markdown



## Tutors Setup

Installing the tools needed for tutors. Taking it for a spin.

# Lab structure



One *md* file per step

*img*

- images used in lab

*archives*

- zipped archive linked to in labs

Setup Lab-01-Setup 01 02 03 04 05 06 07 08 Exercises

### Generate a Course

The simplest way to get started with tutors is to use the `new` command to generate a template course:

```
tutors new
```

This should respond with:

```
Creating new template course...
Cloning into 'tutors-starter-0'...
Next steps...
cd into tutors-starter-0 and run "tutors" again
This will generate the course web in "tutors-starter/public-site"
```

The command will have generated a new folder: `tutors-starter-0`, populated with a sample/template course:

A screenshot of a file explorer window titled 'tutors-starter-0'. The window shows the 'dev' directory containing a file named 'topic01'.



### Generate a Course

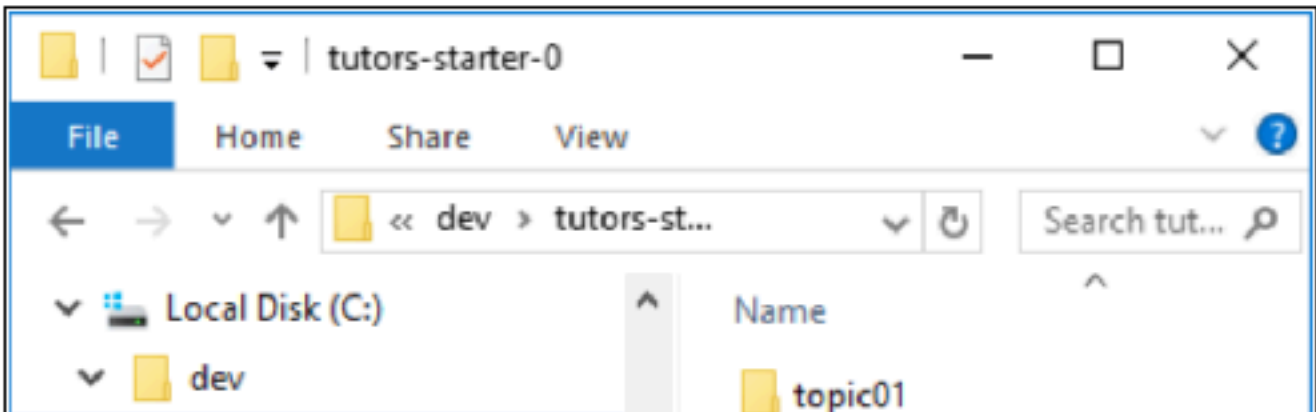
The simplest way to get started with tutors is to use the `new` command to generate a template course:

```
tutors new
```

This should respond with:

```
Creating new template course...
Cloning into 'tutors-starter-0'...
Next steps...
cd into tutors-starter-0 and run "tutors" again
This will generate the course web in "tutors-starter/public-site"
```

The command will have generated a new folder: `tutors-starter-0`, populated with a sample/template course:



Each Lab written in  
Markdown

### # Generate a Course

The simplest way to get started with tutors is to use the ``new`` command to generate a template course:

```
~~~
tutors new
~~~
```

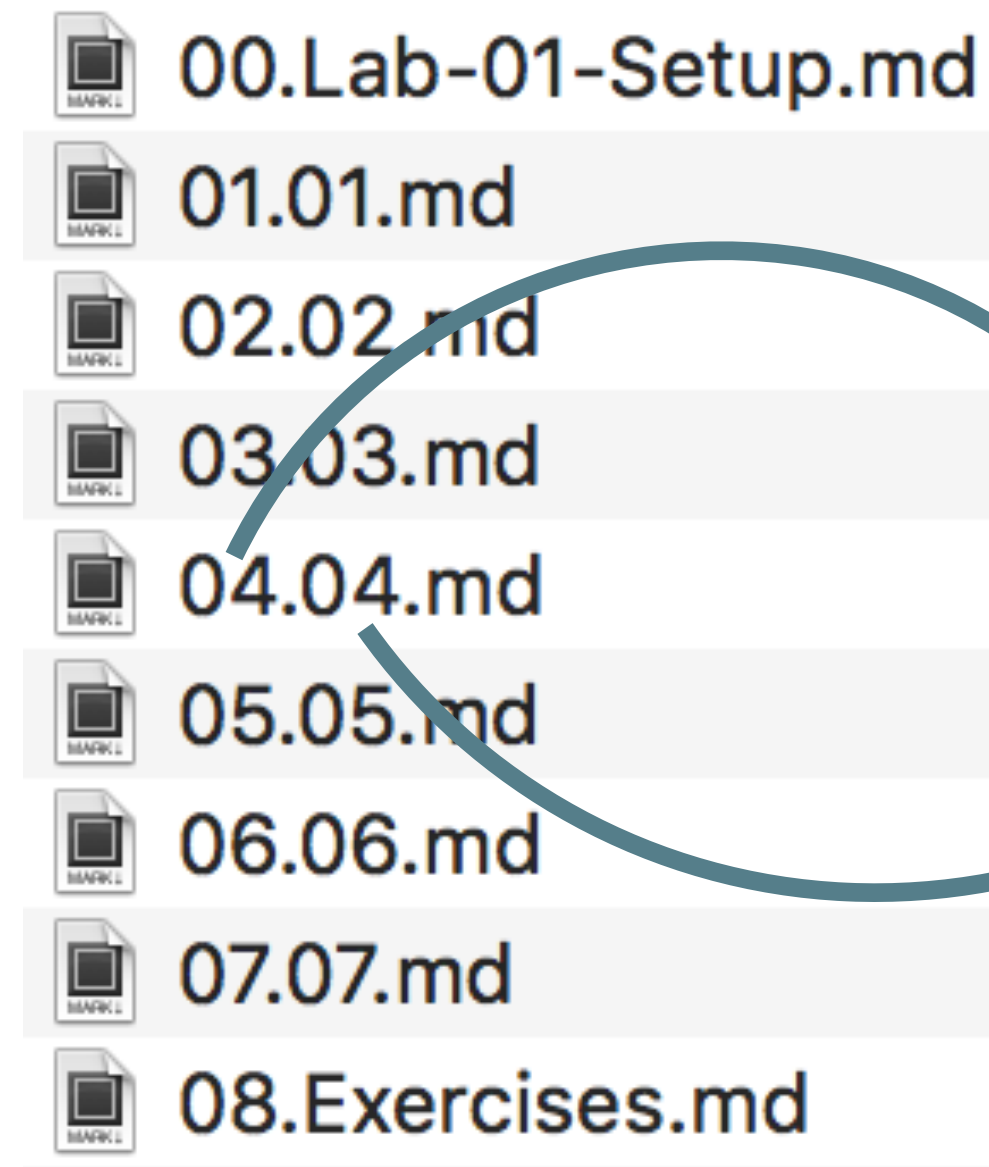
This should respond with:

```
~~~
Creating new template course...
Cloning into 'tutors-starter-0'...
Next steps...
cd into tutors-starter-0 and run "tutors" again
This will generate the course web in "tutors-starter/public-site"
~~~
```

The command will have generated a new folder: ``tutors-starter-0``, populated with a sample/template course:

!!(img /00.png)

## lab menu bar



XX.YY.md

XX

- must be a 2 digit number

YY

- can be any string
- must me *.md*



Link to  
TOC of  
all labs

Link to  
Parent  
Topic

First step,  
includes  
lab name

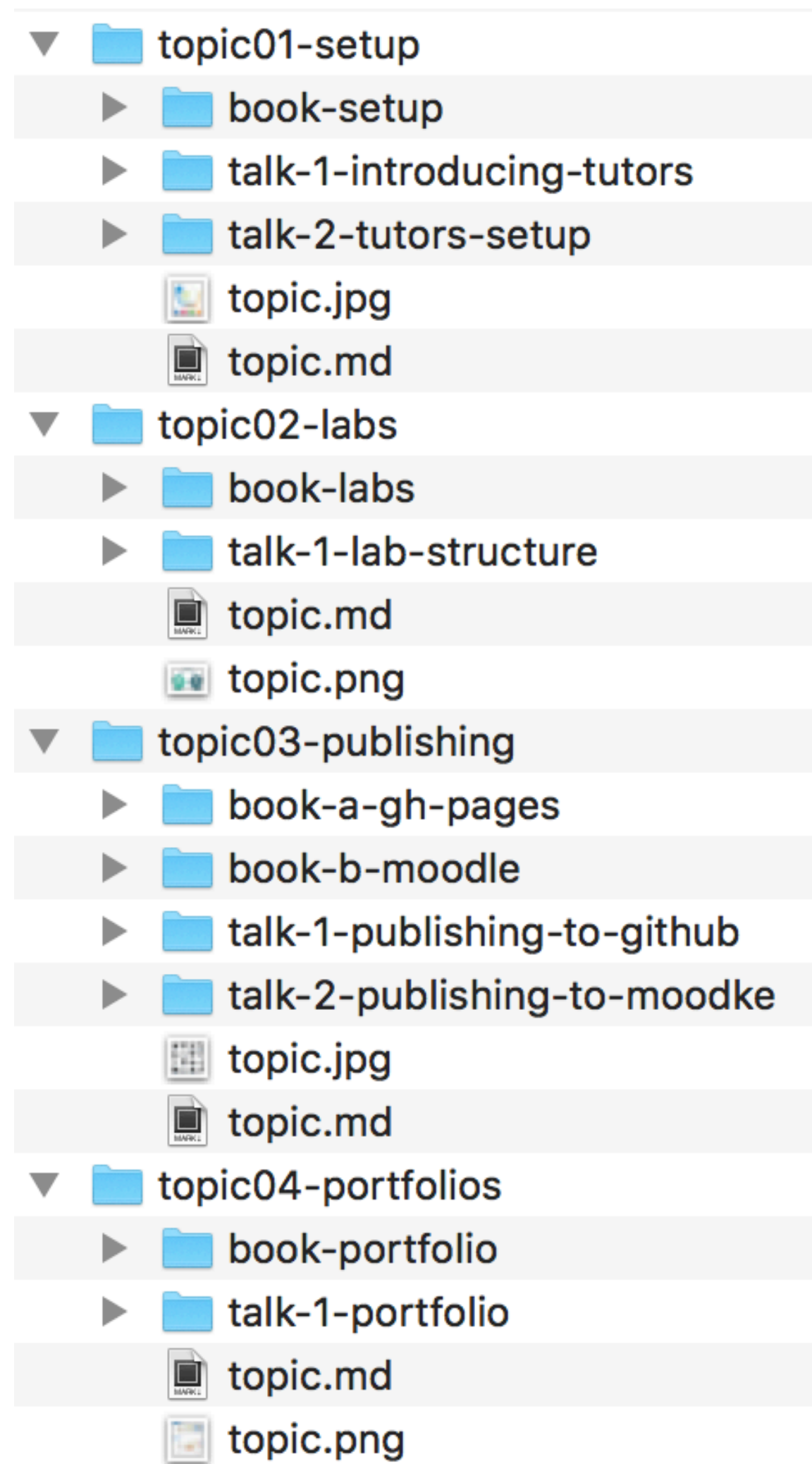
YY is used as  
step name in  
the menubar

Link to  
course  
home page


## ‘tutors’ command generates to ‘public-site’ folder

```
1. bash 🔔
MainMac:tutors-course-src edeleastar$ tutors-ts -u
tutors-ts course web generator: 1.2.4
:: Tutors
  --> Setup
:: Setup
  --> Introducing Tutors
  --> Tutors Course Structure
  --> Lab-01-Setup
  --> Composition
:: Composition
  --> Composing Labs
  --> Lab-02-Composition
  --> Publishing
:: Publishing
  --> Publishing to Github & Moodle
  --> Lab-03-Publish
  --> Lab-04-Moodle
  --> Portfolios
:: Portfolios
  --> Portfolios
  --> Lab-05-Portfolio
  --> Git
:: Git
  --> Git
  --> Lab-06-Git Introduction
  --> Lab-07-Branching and Merging
MainMac:tutors-course-src edeleastar$
```

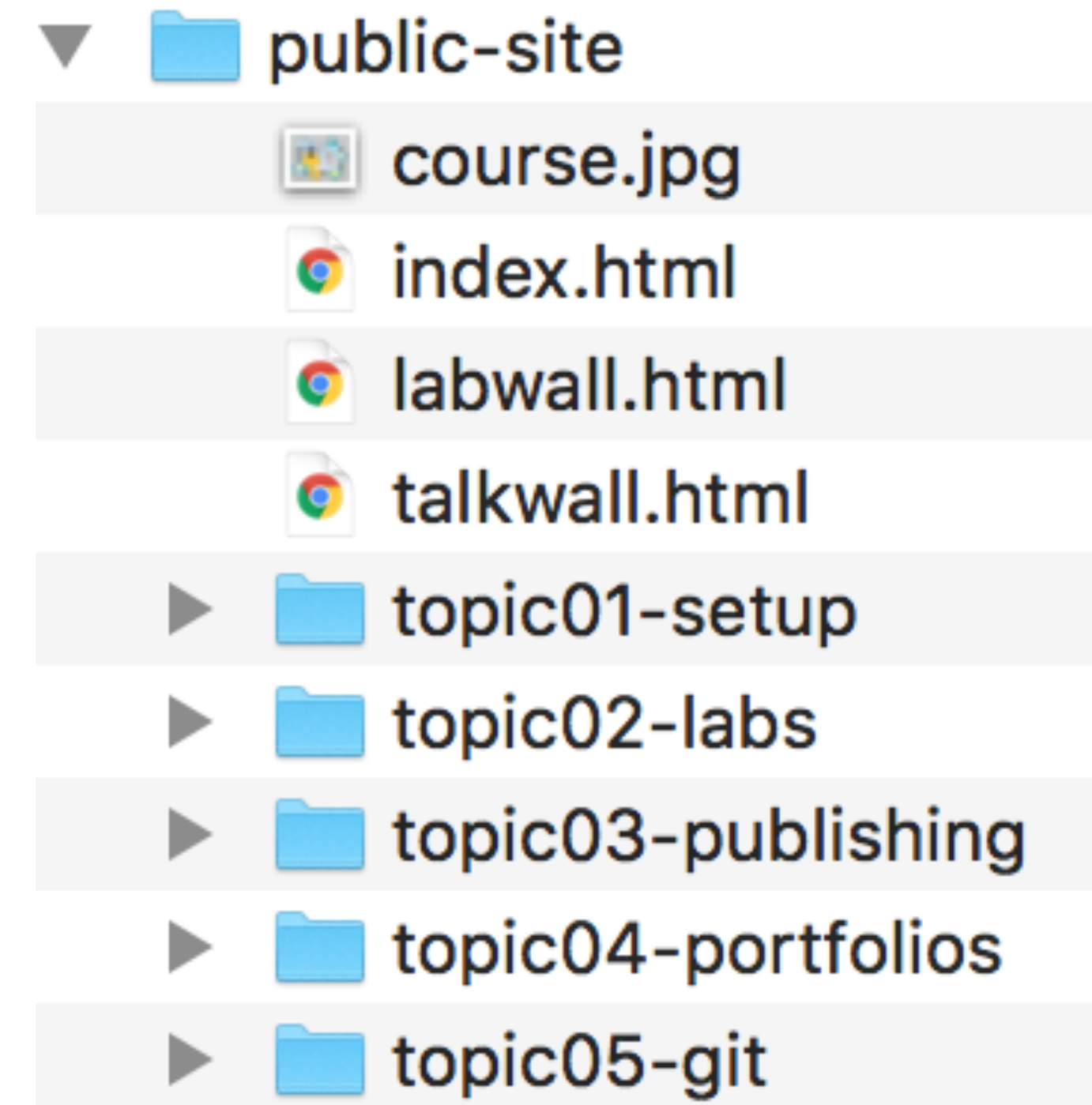




tutors



command



*public-site* is a 'static' web site

easier to publish as it does not require a  
Content Management System