Create custom dataset

"Apply toolkit to extract images with needed classes of objects.
Specify parameters to get images of needed quality."

Step 1: Explore Open Images Dataset

Windows, **Mac** or **Linux**: open browser window.

Link	Description
https://storage.googleapis.com/openimages/web/index.html	Main Page of the Open Images Dataset
Class "Cat"	Images for detection cats
Class "Dog"	Images for detection dogs
Class "Elephant"	Images for detection elephants

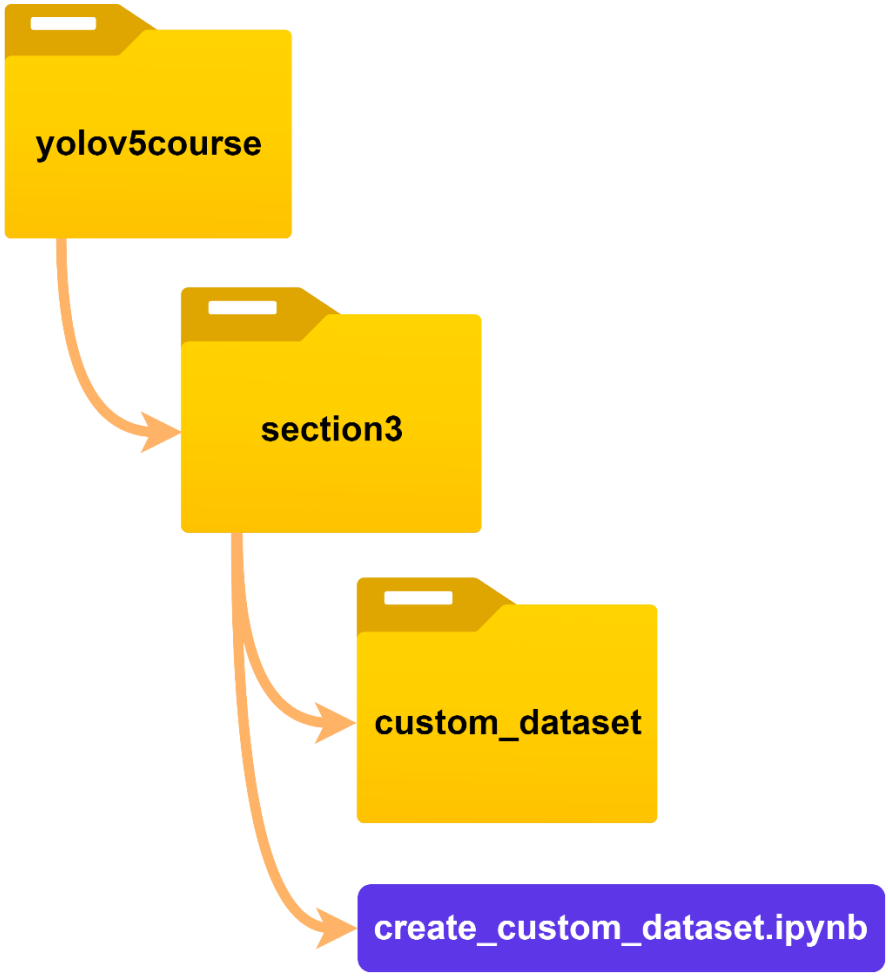
Step 2: Create additional directories

Windows: open Anaconda Prompt.
Mac or **Linux**: open terminal window.
All the commands are the same for Windows, Mac and Linux.

Command	Description
`cd yolov5course`	Navigates to "yolov5course" directory
`mkdir section3`	Creates "section3" directory
`cd section3`	Navigates to "section3" directory
`mkdir custom_dataset`	Creates "custom_dataset" directory

Step 3: Download code file

Go to resources of this lecture and download code file file.
Place this file into created "section3" directory, that is inside "yolov5course" directory.
You should have following hierarchy:



Step 4: Run code cells

Windows: open Anaconda Prompt.
Mac or **Linux**: open terminal window.
All the commands are the same for Windows, Mac and Linux.

Command	Description
`conda activate foenv`	Activates "foenv" environment
`jupyter notebook`	Runs Jupyter Notebook

Links

Check out additional links with extra information for further readings:

- ✓ Open Images Dataset
- ✓ FiftyOne installation official instructions
- ✓ Install FiftyOne by pip
- ✓ Troubleshooting
- ✓ FiftyOne configuration options
- ✓ Downloading custom dataset from Open Images Dataset
- ✓ Dataset persistence
- ✓ Using FiftyOne App
- ✓ Deleting a dataset
- ✓ Exporting FiftyOne Datasets
- ✓ Loading Datasets From Disk
- ✓ Supported formats to export Datasets