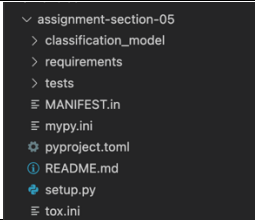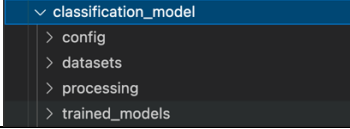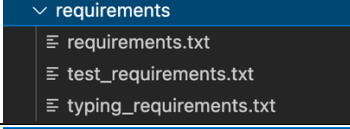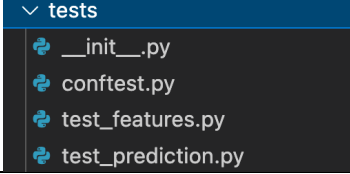**Assignment 2 Notes**

Create a production ready code and build the model package that will be needed to be embeded in the API.

To build the production ready code following points can be of help:

1.	Folder Structure of the code:	assignment-section-05 > classification_model > requirements > tests ≡ MANIFEST.in ≡ mypy.ini ⚙ pyproject.toml ⓘ README.md 🐍 setup.py ≡ tox.ini	
2.	Folder Structure and code file for classification_model folder	classification_model > config > datasets > processing > trained_models	
3.	Folder Structure and code file for requirements folder	requirements ≡ requirements.txt ≡ test_requirements.txt ≡ typing_requirements.txt	
4.	Folder Structure and code file for tests folder	tests 🐍 __init__.py 🐍 conftest.py 🐍 test_features.py 🐍 test_prediction.py	
5.	Changes in Config File. Changes needs to be done in config.yml file and core.py file present inside the config folder under the classification_model folder	1. Changes in config.yml file 2. Changes in config/core.py file	
6.	Changes in Processing Folder	1. Changes in data_manager file. You can add functions for cleaning the data here in data_manager.py file. 2. Cleaning can be changing variable type, selecting only single cabin or extracting title from name variable 3. Changes in Features.py. This should include the feature transformation you are doing. 4. Changes in validate.py. This should be for titanic dataset.	
7.	Changes in Pipeline.py file	This will include your titanic pipeline you created with fetching variable information and other details from config	
8.	Changes in prediction.py	Changes in variable name or any other change you think is relevant	
9.	Changes in train_pipeline.py	Changes as per the pipeline you created.	
10.	Changes in test/test_features.py	Create feature to test for any feature transformation you are doing	
11.	Changes in test/test_prediction.py	You can do prediction on number of predictions.	