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It is important because a virtual environment essentially makes an isolated workspace when doing your coding stuff. Therefore, when you have pre-requisites like libraries and so on when working with Python and Django code development. You can lessen the risk of inter conflicts between other installed versions of Python. It also helps in ensuring you use only the libraries you need with necessity in project to reduce the risk of bloat in the code from unnecessary libraries and so on being used

The main advantage of using Django is that it is more intuitive and easier to use from my own experience. Having built in tools and a pre-established framework allows for faster and easier development due to a strong foundation to rely on when creating web development coding projects.

In general, my findings on this working assignment in general is the new introduction to the new coding framework of Python, Django. Which essentially makes it easier to develop web-developed based projects. It is also best to do such projects in what’s called a virtual environment, where essentially all the required libraries (as in the pre-requisite code and packages to help extend extra functions) are made

The summary of what has been done is brief as we simply had the introduction of how to start a coding project for Python that uses Django. Django is a python framework that primarily works with databases and so on to allow for more easier and intuitive web-based development. We learn how to install everything from python, pip, to Django. We also learn how to create a virtual environment. Finally we learn how to properly run the test server for the Django project as to allow us to see the output of our code in order to fine-tune and bugcheck it.

The conclusion for this lab assessment is that while we haven’t done anything conclusive with this, we at least learn the fundamentals of how to start a Django-framework project, which will be important as we will likely continue to use Django to code most of our projects in web development.