Install the previous version of Anaconda rather than the latest version. The latest version uses Python 3.8, which has some incompatibility issue with VTK 8.2.0. Based on my experience, using the version that has Python 3.7 does not have this incompatibility issue.

The recommended Anaconda version is 5.3.1, use this link and scroll to the bottom to download the 5.3.1 version:

https://repo.anaconda.com/archive/

After installing the Anaconda 3. Do the following

Make sure Anaconda Navigator is working

Try to start Anaconda Navigator

If the Navigator get stuck on “Loading Applications” then do the following:

- Open Anaconda Prompt
- Type the following
  conda update anaconda-navigator
- Press y when prompted

Install VTK

Launch Anaconda Prompt (or open Navigator and select terminal or cmd)

Type the following

    conda install -c conda-forge vtk==8.2.0

Press y when prompted

To check if VTK has been installed and working, type the following into Anaconda Prompt:

    python -c "import vtk"

If there’s an error message, check if you have the correct Anaconda version (5.3.1) and Python version (3.7). You could also reinstall Anaconda and redo the steps. If the error persists then contact the TA
Install PyQt for GUI

Type the following

    conda install -c anaconda pyqt

Press y when prompted

To check if PyQt has been installed and working, type the following into Anaconda Prompt:

    python -c "from PyQt5.QtWidgets import QApplication, QWidget"

If there’s an error message, check if you have the correct Anaconda version (5.3.1), Python version (3.7), and VTK version (8.2.0). You could also reinstall Anaconda and redo the steps. If the error persists then contact the TA.

# The following is for installing interactive widgets for Jupyter notebook

Install pyvista

    conda install -c conda-forge pyvista

Press y when prompted

To check if pyvista has been installed and working, type the following into Anaconda Prompt:

    python -c "import pyvista"

If there’s an error message, make sure that you installed vtk with the exact command stated earlier. If you used a different command to install vtk then it might not work.
Install itkwidgets

conda install -c conda-forge itkwidgets

Press y when prompted

To check if itkwidgets has been installed and working, type the following into Anaconda Prompt:

python -c "from itkwidgets import view"

Once all the above libraries are downloaded and installed successfully within Anaconda, your environment is ready.