Presenter Introduction – 5 mins

-Short bio and welcome

Brief Introduction of Materials – 10 mins

-Welcome and brief introductory comments

-Have everyone re-download the repository to their local machine.

-Explain the purpose of the course and the expected outcomes.

-Questions?

Getting Started – 10 mins

-Explain the course materials and how we will interact with them.

-Have everyone navigate to the first lesson and open the Lazylists.py file

-Show everyone how to open the command window from the current folder.

-Questions?

Lesson 1 – The Config File – 15 mins

-Have everyone fix the config file.

-Explain what a config file is for and why it is important (easy to use, easier than coding a GUI)

-Type the code together. Show the structure and how to add new entries.

-Questions?

Lesson 2 – The GUI – 15 minutes

-Explain what a GUI is and why it’s important.

-Explain what Tkinter is and that it is cross-platform.

-Direct them to the code, which is already there for them.

-Talk about object oriented programming.

-Questions?

Lesson 3 – Making API calls, checking for errors – 25 mins

-Explain what REST is and what APIs are.

-Talk about different API functions available in Alma.

-Talk about API security (offer some ways to do it well)

-Show the developer’s network site and the code sandbox.

-Type out the code together and work through the error checking.

\*\*\* BREAK \*\*\* 20 mins

Lesson 4 – Parsing XML data from Alma – 25 mins

-Talk about API output and XML

-Explain the XMLTODICT module and what dictionaries are.

-Explain how to traverse the XML tree and grab needed values.

Lesson 5 – Posting XML data to Alma, checking for errors – 25 mins

-Get your barcodes ready.

-Explain what POST stands for.

-Type code together and work through any errors.

-Show what happens if you try to add an item twice.

-Questions?

Lesson 6 – Final testing – 15 mins

-Navigate to your local Alma instance and check the set to see if the item added successfully.

-Questions?

Congratulations and Some final thoughts – 15 mins

-Questions?