Setup instructions

To complete the exercises in this class, you need:

1. **A computer with at least 3GB RAM, 2GHz CPU, and 4GB storage**

   https://developer.mulesoft.com/docs/display/current/Hardware+and+Software+Requirements These are the requirements to run Anypoint Studio.

2. **Internet access with access to the following ports and hosts:**

Port	Host
8081	local port
61616	debug port
80	cloudhub.io
80	salesforce.com

You also need to install and/or set up **BEFORE** class:

1. **Java SE Development Kit 8 (JDK 8 NOT JDK 6 or JDK 7)**

   http://www.oracle.com/technetwork/java/javase/downloads/index.html This is required for Anypoint Studio.

   Note: Instructions for checking what version of Java you have can be found here: https://www.java.com/en/download/help/version_manual.xml.

2. **MuleSoft Documentation** https://docs.mulesoft.com/

Before jump into training you need to understand what is mule esb. Please go through the link above.

- What is MuleSoft?
- What is Mule runtime?
- What is a Mule application?
- What is Anypoint Platform?

3. **Anypoint Studio with embedded Mule 3.7 runtime**

   https://www.mulesoft.com/lp/dl/studio

   Download, install, and start it to make sure it runs BEFORE class.

   Note: If you have any issues, make sure the JDK and Anypoint Studio are BOTH 64--bit or BOTH 32--bit and that you have enough memory (at least 3 GB) to run Anypoint Studio.

4. **An Anypoint Platform account** http://anypoint.mulesoft.com

Note: You can sign up for a free, 30--day trial account or you can use your company account (if you already have one).

5. **A Salesforce Developer account (NOT a standard account)**

   https://developer.salesforce.com/en/signup

You CANNOT use a standard account, which will not give you API access.

You should receive an activation email within 5--10 minutes of creating the account. Click the link it contains to activate your email and set a password and password question. You will then be logged in to Salesforce. You can also log in at http://salesforce.com using your developer credentials.

6. A Salesforce API Access token http://salesforce.com

In Salesforce, click your name at the top of the screen and select My Settings. On the left side of the page, select Personal > Reset My Security Token and click the Reset Security Token button. A security token will be sent to your email in a few minutes. You will need this token to make API calls to Salesforce from your Mule applications.

7. Mule 3.7 runtime with Mule Management Console (optional) http://mulesoft-

-training.com/mule--runtime--bundle--3.7

In public classes, you will deploy to the cloud. In private classes, you will deploy to the cloud or an on--prem, standalone Mule runtime. Step--by--step instructions for both are included in the student manual.
If you want to follow the instructions to deploy to an on--prem Mule runtime, download the bundle from the above link before class. You will start the server during class.

8. MySQL / Oracle / MS Sql Server Database

You can choose any database as you like here we have open source mysql server.
Download, install, and start or test it to make sure it runs without fail.
MySql DB: https://dev.mysql.com/downloads/installer/
Installation Steps: http://www.mysqltutorial.org/install-mysql/
Configure DB: http://www.mysqltutorial.org/how-to-load-sample-database-into-mysql-database-server.aspx

9. Apache ActiveMQ- Read about ActiveMQ http://activemq.apache.org/

Download, install, configure and set classpath. Make sure it works
Download the apache-activemq-5.14.3-bin.zip from http://activemq.apache.org/activemq-5143-release.html

Installation Steps: http://activemq.apache.org/getting-started.html#GettingStarted-WindowsBinaryInstallation

Start ActiveMQ : http://activemq.apache.org/getting-started.html#GettingStarted-StartingActiveMQStartingActiveMQ

Testing : http://activemq.apache.org/getting-started.html#GettingStarted-TestingtheInstallationTestingtheInstallation

Monitor: http://activemq.apache.org/getting-started.html#GettingStarted-MonitoringActiveMQ

10. Apache Maven - Read about maven http://maven.apache.org/index.html

Download, install, and configure it. make sure it works.
Download the apache-maven-3.3.9-bin.zip from http://maven.apache.org/download.cgi
Installation Steps: http://maven.apache.org/install.html

11. Install Chrome extensions for REST Client

You can choose any rest client based on choice
Postman: Install Postman from Chrome Web Store.
Advanced Rest Client: install Advanced REST client from Chrome Web Store