**Quiz/HW 3 – ConfigTables**

* *See utilities.py*

1. How do you create a local copy of the config file?
2. How can you add a new table called ‘*derived\_dataytpes*’ to the config data while specifying that this new table will have extra columns called ‘*source\_type*’ and ‘*format*’?
3. What is the purpose of the extra columns input when defining tables?
4. How do you check if the item ‘*doctordom’* already exists in the ‘surgeons’ table?
5. How can you retrieve all names of surgical procedures from the ConfigTables?
6. What method would you use to commit your updates to the XNAT server config file? How would you change permissions to allow new users to perform this task?
7. How do you register ‘jsmith’ as a user? How do you check whether ‘jdoe’ is a registered user?

**Answers:**

login\_info, verbose = { 'username': 'dmattioli', 'password': "bxC:\*AR,4ps,M71?'Xuz", 'url': 'https://rpacs.iibi.uiowa.edu/xnat/' }, True

validated\_login = XNATLogin( login\_info, verbose=verbose )

xnat\_connection = XNATConnection( validated\_login, stay\_connected=True, verbose=verbose )

config = ConfigTables( validated\_login, xnat\_connection, verbose=True )

1. config. add\_new\_table( table\_name=’aliases’, extra\_column\_names=[‘source\_type’, ‘format’] )
2. there are default columns associated with every table (last revised, created by). You would include extra columns to store metadata for each item in a table that might be helpful to future users.
3. config.item\_exists( table\_name=’surgeons’, item\_name=’doctordom’ )
4. config.list\_all\_items\_in\_table( table\_name=’groups’ )
   1. config.push\_to\_xnat()
   2. data\_librarian\_hawk\_id = ‘newoverlordhawkid’ (line 29 of utilities.py)
   3. config.register\_new\_user( user\_name=’jsmith’ )
   4. config.is\_user\_registered( user\_name=’jdoe’ )