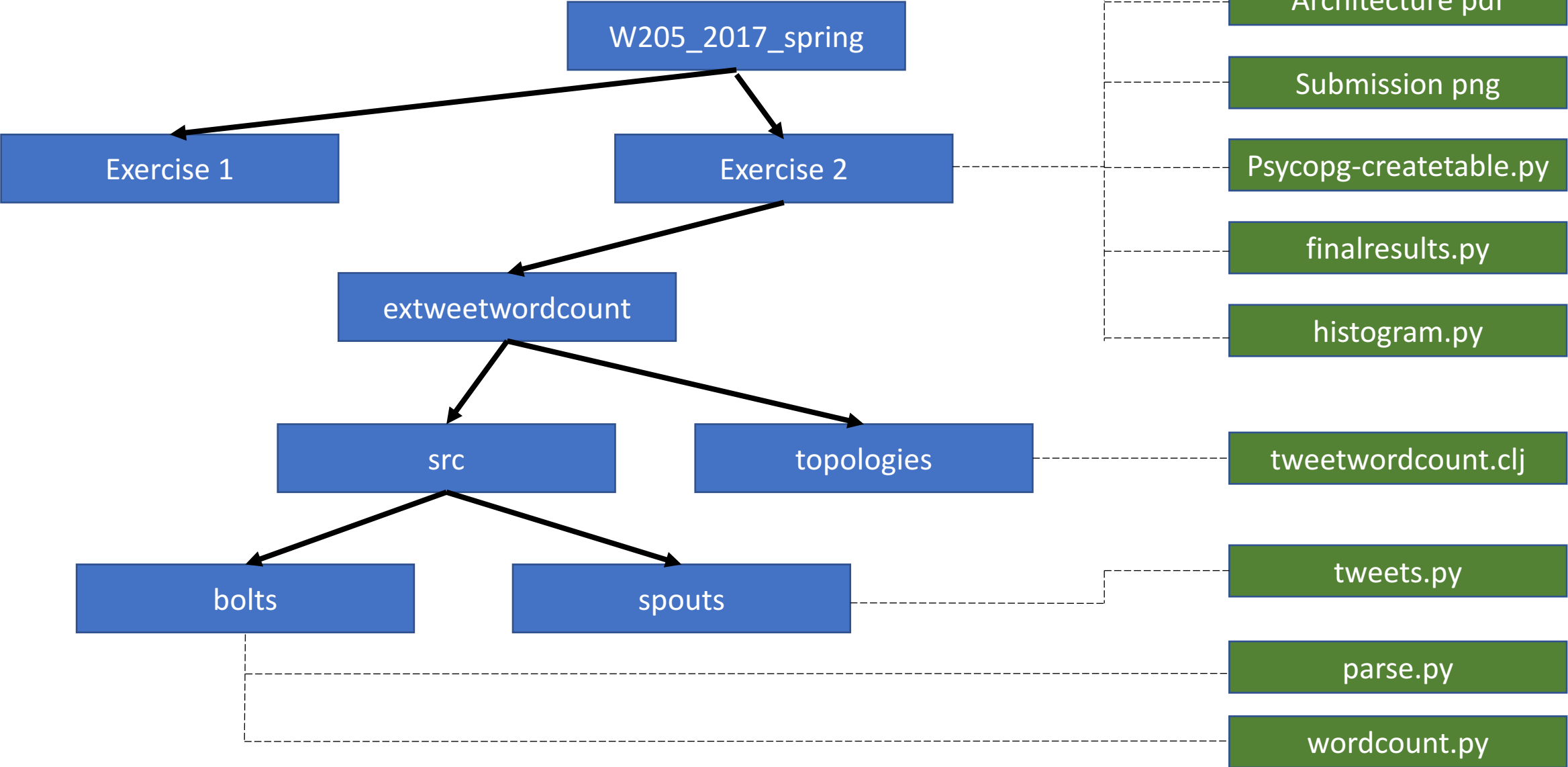
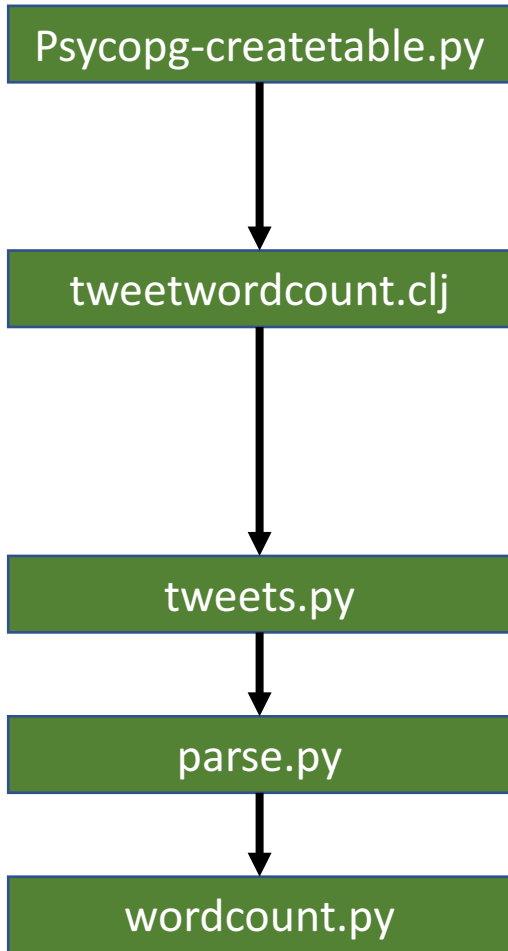


Directory and File Structure

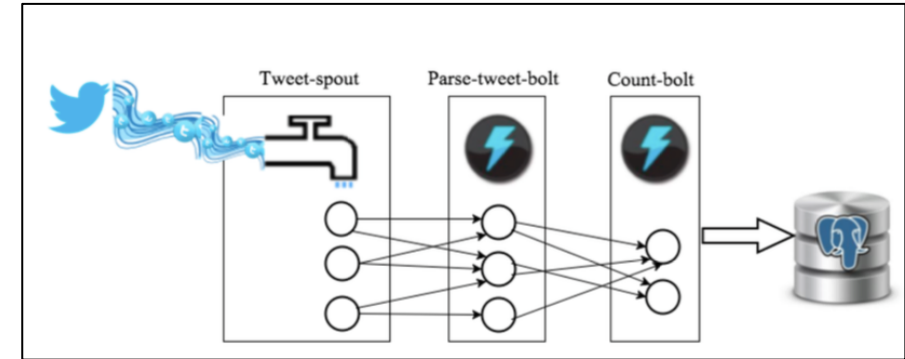


Application Deployment Process



A separate python script is created to create the postgres database and table (tcount and tweetwordcount)

Topologies file mimicking this diagram with 3 spout, three parse bolt, two count bolt, all shuffling the output.



Tweets.py takes tweet input from tweeter API and pass it into the parse bolt.

Parse.py separates each tweet into tuple of words and pass it to the wordcount bolt

Wordcount.py tabulates the count per word. If a word has a count of 1, a new table entry in postgres is created. If a word has a count >1, an update entry in postgres is created to update the newest count record.