**CSE335 Assignment1: DIEM BFT USER MANUAL**

**RUN THE DISTRIBUTED SYSTEM**

* The file ***“main.da”***contains code for the main module for clients & replicas. Also includes initialization of the config file.
* It also provides the connection to other modules and code for the organisation of transactions in mempool.

We can run the distributed system by executing the ***“main.da”*** file in localhost using the following command.

**python -m da -H localhost main.da**

We can also set the message buffer to handle message too big excpetions:

**python -m da --message-buffer-size 100000 -H localhost main.da**

The following commands can be used to run the specific test cases:

**CONFIGURATION FILE**

configurations =  {

  "window\_size": 1,

  "exclude\_size": 1,

  "seed": "consistency",

  "f": 1,

  "timeout" : 1,

  "nReplicas":4,

  "nClients": 4

}

Different parameters that are needed for the system is configured in the separate config.da file and it is imported in the main.da

Parameters ***window\_size*** and ***exclude\_size*** are used during the leader election.

*Seed* is used for the consistency

***f*** is the number of faulty nodes

***nReplicas*** and ***nClients*** are the number of replicas and clients respectively