Setting Up CouchDB Server

\* Launch EC2 Ubuntu Instance and open up TCP Port 5948 in security group

\*Install CouchDB and Test

~/$ sudo apt-get update

~/$ sudo add-apt­repository ppa:couchdb/stable-­y

~/$ sudo apt-­get update

~/$ sudo apt-get install couchdb -y

~/$ curl localhost:5984

\* Making sure CouchDB is accessible from any ip, check netstat

~/$ netstat -an | grep 5984

\* If it says '127.0.0.1:5984', then

~/$ sudo /etc/couchdb/default.ini

\* Change bind address from 127.0.0.1 to 0.0.0.0. Then,

~/$ sudo service couchdb stop

~/$ sudo service couchdb start

\*Access Futon on Local

~/$ ssh -i "couchserver.pem" -L 5984:127.0.0.1:5984 [ubuntu@serverIP](mailto:ubuntu@serverIP)

\* Now go to http://localhost:5984/\_utils in local browser

\* Set up Admin Account for CouchDB (Press Fix This on bottom right)

\* Admin Username: kousik93 (example)

\* Admin Password: kousiksundar (example)

\* Now quit the ssh and open a terminal on your local machine

\* Curling from local machine

~/$ curl -X PUT “http://uname:pass@ip:5984/dbname”

\* Eg:

~/$ curl -X PUT http://kousik93:kousiksundar@ec2-54-153-8-24.us-west-1.compute.amazonaws.com:5984/testdb

\* You will get output: {"ok":true}

\*CouchDB is running

\* Now you can run the Initialization script

\*Open InitializeCouchDB.go. Change 'BaseUrl' variable to “http://uname:[pass@ip](mailto:pass@ip):5984”

\* Save file

\* Run file

~/$ go run In InitializeCouchDB.go

\*CouchDB is Completely set up for your backend.

\* You can now use all the REST API backend APIs

Setting Up Backend

\* Set up another EC2 machine. Open TCP ports 3000,3001,3002. Boot. Install golang

\*Scp the files over there.

\* Set Gopath. Install git. Go get all requirements

\*Change the BaseUrl Variable in all the files to the appropriate URL

\* ~/$ go run ClassAttendanceListAPI.go && go run StudentListDatabaseAPI.go && go run StudentProfileDatabaseAPI.go