**Assignment 5: Mitesh Sharma**

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cd ~

mkdir mongodb

cd mongodb

vi Dockerfile

Note: Copy and paste the following lines into the Dockerfile.

Docker file:

############################################################

# Dockerfile to build MongoDB container images

# Based on Ubuntu

############################################################

# Set the base image to Ubuntu

FROM ubuntu

# File Author / Maintainer

MAINTAINER KranthiKavuri<kranthi.ctu@gmail.com>

# Update the repository sources list

RUN apt-get update

################## BEGIN INSTALLATION ######################

# Install MongoDB Following the Instructions at MongoDB Docs

# Ref: http://docs.mongodb.org/manual/tutorial/install-mongodb-on-ubuntu/

# Add the package verification key

RUN apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv 7F0CEB10

# Add MongoDB to the repository sources list

RUN echo 'deb http://downloads-distro.mongodb.org/repo/ubuntu-upstart dist 10gen' | tee /etc/apt/sources.list.d/mongodb.list

# Update the repository sources list once more

RUN apt-get update

# Install MongoDB package (.deb)

RUN apt-get install -y mongodb-10gen

# Create the default data directory

RUN mkdir -p /data/db

##################### INSTALLATION END #####################

# Expose the default port

EXPOSE 27017

# Default port to execute the entrypoint (MongoDB)

CMD ["--port 27017"]

# Set default container command

ENTRYPOINT usr/bin/mongod

Note: Dockerfile should be saved after adding the above lines of code.

#Build the docker image with the following command:

docker build -t my\_mongodb .

#Using the image we have build, we can now proceed to the final step: creating a container running a MongoDB instance inside, using a name of our choice (if desired with -name [name]).

sudo docker run -name my\_first\_mdb\_instance -i -t my\_mongodb

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Dockerfile

