System Configuration Elements

Operation System: Windows 10

Even though we had an option to do our project through the virtual box, since all the team members were comfortable in the Windows environment, we choose the Windows operating system to run our project.

Python 3:

Since Python is a general-purpose and high-level programming language which has huge demand in the IT field now, we have chosen Python programming for our project. Another reason for choosing Python language was that we were already familiar with the language through the lectures from the current semester. The version of python used in our project is Python 3.7.4.

```
(base) C:\Users\ak620>python --version
Python 3.7.4
```

Anaconda Navigator:

It is a desktop graphical user interface that allows you to launch applications and easily manage the Conda packages. The version of anaconda used is anaconda distribution 2019.10 which was released in October 2019.

```
(base) C:\Users\ak620>conda list anaconda$
# packages in environment at C:\Users\ak620\Anaconda3:
#
# Name                    Version                   Build  Channel
anaconda                  2019.10                   py37_0
```

Jupyter Notebook:

It is an opensource web application developed for interactive computing using python. Jupyter notebook. We have used Jupyter notebook for coding and interaction using python.

MongoDB:

MongoDB is a cross-platform document-oriented database program classified as the NO-SQL Database program. At the initial stages, the cloud platform of MongoDB named MongoDB atlas was used, and later it was changed for ease of use. MongoDB compass was used for visualization and exploration of databases.

The version of MongoDB used for our project is the latest release named 4.2.5.

```
MongoDB shell version v4.2.5
git version: 2261279b51ea13df08ae708ff278f0679c59dc32
allocator: tcmalloc
modules: none
build environment:
    distmod: 2012plus
    distarch: x86_64
    target_arch: x86_64
```

Postgresql:

Postgresql also is known as Postgres is an open-source relational database management system. The version of PostgreSQL used for the project is Postgresql 12. The pgadmin4 database management tool was used for database management purposes and interaction.