# CS 340 README Template

## About the Project/Project Title

*This assignment is the final assignment for CS-340 and deploying a fully functional webapp connecting your very own python module and hooking it up into the dash application. Truly the full stack experience.*

*I had quite the journey through this class and have now discovered how much I enjoy data science and will look into diving deeper into this realm of software development.*

*This project includes the following software:*

*PIP*

*Jupyter notebook*

*MongoDB*

*Anaconda*

*Python*

*Linux Distro*

*Dash*

## Motivation

*The project is part of a larger project for SNHU’s CS-340 class Client/Server Development. The motivation for this project is the desire to learn a highly sought after skill of managing a Database, manipulating that data, and outputing the data in a format that a business would utilize to make an informed business decision.*

## Getting Started

*In order to get this set up locally you will need to visit the following sites and download the appropriate files:*

*Mongodb Community Version*

*https://www.mongodb.com/try/download/community*

*Anaconda*

*https://docs.anaconda.com/anaconda/install/index.html*

*PIP*

*https://pip.pypa.io/en/stable/cli/pip\_install/*

*Linux*

[*https://www.linux.org/pages/download/*](https://www.linux.org/pages/download/)

*I’d highly recommend checking out the “Charming Data Dash Tutorials”*

*https://www.youtube.com/c/charmingdata*

## Installation

*Once you install the software you will have to set up your programs to work with each other. A highly recommended step is to ensure that all your downloads are in an easy to remember easy to access location on your computer.*

## Usage

## Start up your mongo server on a local host with the command mongosh

Text

Description automatically generated

Don’t forget to load in your data

After this step fire up the source code and ensure you restart the kernel and push run

Open up a webpage at http://127.0.0.1/8050

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generatedApplication

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated with medium confidence