**FE 520 – Introduction to Python for Financial Applications**  
  
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**PROJECT PROPOSAL**

**Stock information web interface**

**OBJECTIVES**

1. Creation of Web page using Flask
2. Hosting a stock market database on the web page
3. Display stock price and volume information on web

**PROJECT BACKGROUND**

This project aims to build a web page displaying stock market price data of Python. The project consists of three main components:

1. **Creation of Web Page:** In this part, the project will create a webpage which is capable to hosting a server database containing stock price of over a year. Web page will be created using Flask library of Python. This will enable us to learn about the creation of API using Python and Flask library.
2. **Stock Market Database:** In this part, the project will collect stock market data comprising of one stock, date, closing price of the day, and volume traded in a day for over a year. Data will be sourced from Yahoo finance. This database will be stored in the local SQL database
3. **Hosting data on webpage:** This part of project will display the stock price chart on the webpage created by linking the SQL database with the webpage

**PHASES OF WORK**

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| **Tasks** | **15 Nov – 19 Nov** | **22 Nov-26 Nov** | **29 Nov – 03 Dec** |
| 1. Creating Web Page |  |  |  |
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| 1. Stock Market Database |  |  |  |
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| 1. Hosting data on webpage |  |  |  |
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