**About System**

* The project title is Virtual Stock Market. It will provide a platform for exchanging shares electronically.
* The users for our system are as follow:
  + Guest
  + Company
  + Trader
  + Admin
* Here the admin will have the superior authority over the system it can manage users, companies, stock, monitor exchanges and a lot more from the admin panel. Every application of a company to list stock on the site goes through admin and only after admin approves the company, their shares can be traded.
* When a company decides to go public it will register with us. we will provide amount of share that they want to sell on the site and the price of each share. After the application is submitted the admin of the system will verify if the company should be allowed to sell its stocks on the system or not. After the company is verified then it can sell it stock, manage shares, communicate with shareholders and more.
* The trader is the user that actually buys and sell shares on the system. The trader can send buy orders or sell orders on the site where a matchmaking algorithm will match a buy order with a sell order and inform both buyer and seller. Trader can also view detailed information about a company and it stock, they can search any stocks on the site. They can manage their portfolio and do lot more.
* The main advantage of this system over the traditional stock exchanges is that a traditional exchange carries out trader through a trading floor where traders have to come at a physical place to come and buy and sell share on their behalf. In this system this limitation is removed, now the trader can from anywhere in the world. This led to a new advantage that some stock exchanges are limited to a certain region but not this system this will be accessible to anyone across the world all they need is an internet connection.
* This will also make it easier for a company to go public and reduce its costs.