CO303 - DBMS Lab
Project Abstract

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26th July 2018

Title: Portfolio Management

Aim: This projects aims to build a web-application which eases and automates the task of monitoring one's investments in mutual funds, stocks and other assets such as real estate, government bonds, etc by providing a consolidated view of the allocation of the funds to the end user.

Objectives:

- **To provide a consolidated view of the various investments.**
- **To summarise all the transactions of the end user till date.**
- **To provide real time and past information for a particular stock/fund.**
- **To provide a graphical representation of the investments.**
- **To ease the life of an investor by providing means of storing a diversified portfolio.**

Summary:

Our application seeks to consolidate all the user's investments under one platform and provide a uniform and centralized system for management of various assets due to the lack of such an application in the current market. The basic functionality of the application is to provide means of record keeping of investments to the user. The main focus of the application will be to store information regarding stocks and mutual funds such as buying price, selling price, units purchased, units sold, profits, losses. With the aid of an API, the application will display real time information of the stocks and mutual funds for various companies, it will provide an overview of the asset and show the general trend of growth of the asset as well. For further assistance, the application will provide a graphical representation of the allocation of funds through graphs and charts. The functionalities shall be expanded to other assets depending on its performance on stocks and mutual funds.These functionalities are intended to make the end user comfortable by aiding him/her in making an informed decision in the matters of investments.

Frameworks to be used:

- Backend : Node.js
- Frontend : HTML, CSS, Bootstrap, Javascript.
- Database : MySQL