

# ASSIGNMENT 1

## PROJECT DISTRIBUTED COMPUTING

This is a project I did under the course Computer Networks.

A *distributed system* is a software system in which components located on networked computers communicate and coordinate their actions by passing messages. The components interact with each other in order to achieve a common goal. A problem is divided into many tasks, each of which is solved by one or more computers, which communicate with each other by message passing. Dedicated server is used, which distributes the task among the clients, on the basis of workload.

In our case we took the task of counting the number of vowels in a string, which is done by number of clients. Other task we took was sorting .This way task is done efficiently and in lesser time. The code was written in C language and the API used was Socket Networking.

## PROJECT E COMMERCE WEBSITE

During my previous summer vacation I learned using Visual Studio 2012 by Microsoft certified trainee. This project was done using C#, jquery, html, and css.

I created a website named 'GadgeGuru', which is an e commerce website. The website ran on local host. The project was an outcome of my three months training and dedication.

## PROJECT SOCIAL NETWORKING WEBSITE AND BANKING WEBSITE

This is the website I created on Visual Studio 2012 , using C#,jquery ,html and css. During the learning process I created the two websites on local host.

Banking website ,had features of creating bank account, where you could transact money from one account to other and many other features .Social networking site was too created on the same platform , in both websites frontend and backend were coded. For backend SQL was used.

## PROJECT DBMS

This was a project done in pair. We had created database for an ice cream company which included the testing of database using queries. Though this project was not possible without the guidance of Prof. Minal Bhise and the TA's of DBMS. I worked on postgres for creating database. I learnt a lot throughout the course. We had worked a lot on the documentation of the project throughout the whole semester. At the end of the course I prepared a desktop app for the database on Netbeans. After the completion of backend, I worked on the GUI (Graphic User Interface). We used Netbeans's GUI for the same.