

# CS243

## Assignment 1

### Group 7

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**Title :** To do list

**Objective:**

To design a simple to-do list desktop application for windows users.

**Platform:**

Visual Studio 2013

## **Language:**

Visual Basic 2013

## **Description:**

- The start screen provides user with the opportunity to add tasks and search for tasks to be completed by the date/time he/she enters.
- While adding a task, the user can enter task description, it's completion date/time and set it's priority (High, Moderate or Low)
- User can search for tasks he is yet to complete by typing the date. On clicking the search button, all tasks scheduled before that date are shown sorted by date.
- the user has an option to edit or completely remove the task from his/her To-Do

## **Major Functionality:**

There are four main features of this application:

1. The tasks in the list box appear in **sorted order** i.e. the task to be completed in the near future is listed first in the list
2. **Notifications** – in every 15 minutes, the user is notified about the tasks to be completed in that hour, thus helping the user to be organised and punctual.
3. **Priority** – the user can set priority to a task, thus if user considers a task to be very important, he/she can set its priority to high.
4. Very **user-friendly** interface – the application comes with a very intuitive and easy to understand interface, thus the user can adapt to the application pretty easily

## **Target User Group:**

Our To-Do List application makes it easy to coordinate business, home, and personal life with a single application.

This application is especially useful for a person who has difficulties in memorizing tasks in hand.

## **Modules:**

**Search:** User provides a date/time before which he/she wants to enquire and when he/she clicks on the “search” button, the tasks which have date/time before than the date/time specified by the user along with their priorities (High’ Moderate or Low) are listed.

**Add:** The user provides a description of the task in the text box, its completion date and time in the date-time widget and the task's priority which can be High, Moderate or Low.

**Edit/Delete:** User can delete a selected task or choose to edit any or all of the three parameters of a task.

**TIMER:** in every 15 minutes, the user is notified about the tasks to be completed in that hour, thus helping the user to be organised and punctual.

## **Contributions by individual Team members -**

Analysis of problem and features (ideas) by all.

### **Mekala Sai Akhil Teja (130101046) -**

Code modification: edit, delete and search functionalities in the newer versions of application.

Timer and notifications to the user.

### **Siddharth Kumar (130101072) -**

Priority assignment to tasks, sorting in list view, form and event designing of application.

Assistance in initial versions of code, commenting the code, user manual, technical documentation,

Readme file

### **Anirudh Agnihotry (130101007) -**

Read, write from file (all file management), early versions of edit, search, delete,

Closing and opening of forms, timer modification, stitching of code, stitching of the different fragments,

Commenting the code, debugging errors and testing the code

### **Yellamelli Pallavi (130101081) -**

Initial version of report, Add Form (event handlers)

### **Ashish Mittal (130101010) -**

Positioning and sizing of forms

Assistance in user documentation