

### Exercise – The Time Tracker

# 1. Objectives

The objectives of this exercise are to practice with the following:

- Two-dimensional arrays
- Enumerations
- ComboBoxes and ListBoxes

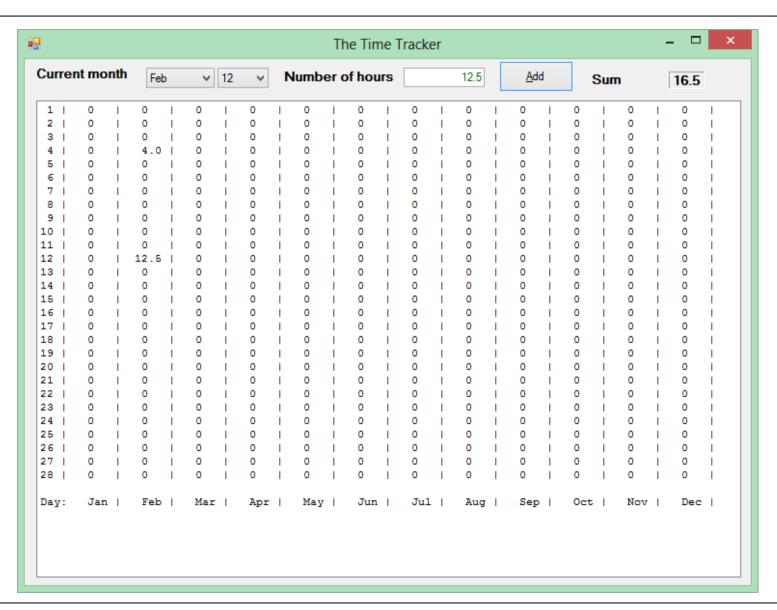
## 2. Description

Write an application with a graphical user interface that works as a general monthly time keeper. The program should list the days for the 12 months of the year and provide the user the opportunity to select a month and a day. The user should also be able to input the number of hours (double). The application should then record the hours in the application. The GUI should then display the schedule as shown in the figure below. Use the current year as the year.

### 3. Instructions

- 3.1 No logics in the **MainForm**. This class should be concerned only with input/output. All other tasks and logics should be done in separate classes.
- 3.2 Other classes should not reference any control on the GUI.
- 3.3 Use a two-dimensional array for saving inputted hours.
- 3.4 The number of days should be correct.
- 3.5 Create an **enum** to hold names of the months of the day.
- 3.6 The **ComboBoxes** should be **readonly** (no textual input in textbox-part, users should only select an item from the list).
- 3.7 All classes and methods are to be documented using the XML-compatible format.
- 3.8 The GUI should be clear of all design-time texts (Text1, etc.). Use proper names or your controls and other identifiers.







# 4. Optional:

Calculate and display the sum of hours for each month.

### 5. Solution

A suggested solution is given via the course's Its L.

### **Good Luck!**

#### Farid Naisan

Course Responsible and instructor

