Offline on iGraphics

April 15, 2017

1 Overview

In this assignment, you will make a calendar and a clock using iGraphics. The purpose of this assignment is to test whether you can use different functions of iGraphics library. Further details of your tasks can be found below.

1.1 Tasks

- First, Given a specific month and year you have to show the calendar of that month.

- You have to create a GUI that will show your calendar.

- You need to provide slots in your GUI so that the user can provide the inputs.

- As the second part of this assignment, you have to show a clock that will display the current time.

- You can show the clock using 7-segment displays (As shown in figure below).

- You have to show hours, minutes and seconds in your clock.

- The time displayed in your clock must change as time passes by.

- You have to implement both the calendar and the clock in the same program.

2 Submission Procedure

1. This assignment is only for **A2** and **B2**.

2. Submission deadline for A2 **23-04-2017 10.00am**.

3. Submission deadline for B2 **23-04-2017 2.00pm**.

4. In your local machine, create a new folder; the name of the folder should be your 7 digit roll number.

5. Put the entire project in the folder created in 4

6. Finally, compress the folder created in 4 to produce a .zip file. The name of the .zip file should be your 7 digit roll number.

7. Submit the .zip file in Moodle.

8. Bring a copy of your implementation with you on evaluation day.

3 General Guidelines

- Plagiarism will be penalized.

- For any query feel free to contact rakinhaider@gmail.com

4 Sample UI

Note: A sample UI is shown below so that students can understand their tasks better. You must note that there is no input mechanism for month and year in the sample implementation. Also, second is not shown in the clock. You must implement input mechanism as well as show seconds in your clock.

Note: It is not mandatory to use the same colors and dimensions as shown in the sample.