Ministry of Education of the Republic of Moldova
Technical University of Moldova
Department of Applied Informatics

Report

Laboratory Work Nr.6
on Event-Driven Programming

Developing using C. WinRT

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Laboratory Work Nr.6

Laboratory Work Requirements:

Mandatory Objectives:

- Create an Win32 or WinRT application using C

- Choose one of:

    - Convert a previous laboratory work to C
    - Create a ToDo list. It should contain:
        * A list of task
        * A way to add new task from UI

- Animation should be controlled by controls

Objectives With Points:

- (3pt) Create a report

- (3pt) Use WinRT

- (4pt) Create a pull request with meaningful fix/feature to 5th EDP laboratory work of your colleagues. It should be a project in which you were not involved.

- (0-7pt) Claim point for your own tasks.

Laboratory Work Implementation

Tasks and Points

Mandatory Objectives:

- Create an Win32 or WinRT application using C

- Choose one of:

    - Convert a previous laboratory work to C
    - Create a ToDo list. It should contain:
        * A list of task
        * A way to add new task from UI

- Animation should be controlled by controls

Objectives With Points:

- (3pt) Create a report

- (3pt) Use WinRT

- (0-7pt) Claim point for your own tasks.

Total Points: All Mandatory Points + All Bonus Points + Early Submission

Laboratory Work Analysis

Because this laboratory work requires to develop an application using C and having the possibility to choose between Win32 and WinRT. I chose to create an WinRT "To-Do List" application.

As you will run my code a window will show up. In that window will be present 2 buttons: Add Task and Delete Task and a text box. Buttons are necessary for interacting with the users. Using Add Button a task will be added in the text box, clicking Delete Button my application will perform a bonus functionality which consists in deleting the selected task. Text box is used in order to contain and display the list of tasks to the user.

Beside the required functionalities there are some more. While adding the task, a dialog box will show up. Where user have to introduce the title, priority and description. After that the task will be displayed in text box with having the coresponding fields. Another features are going to be added in order to obtain a good final product.

Screens

Below will find attached some screen of my application within an appropriate caption, in order to have a better understanding about how the application works.
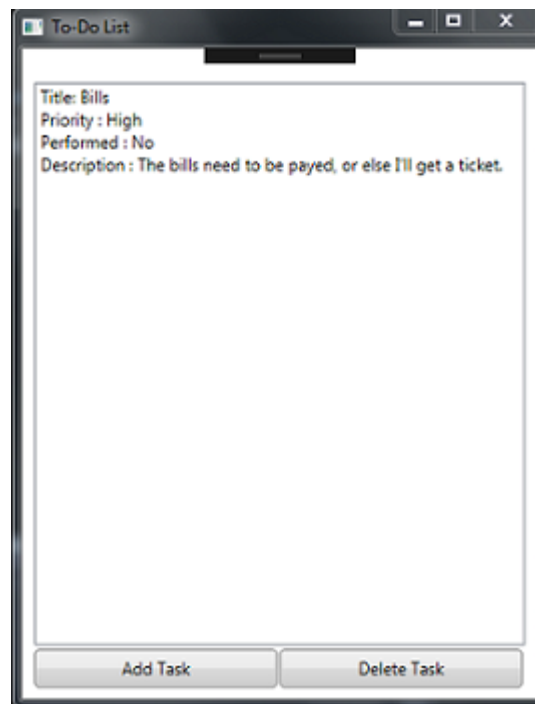

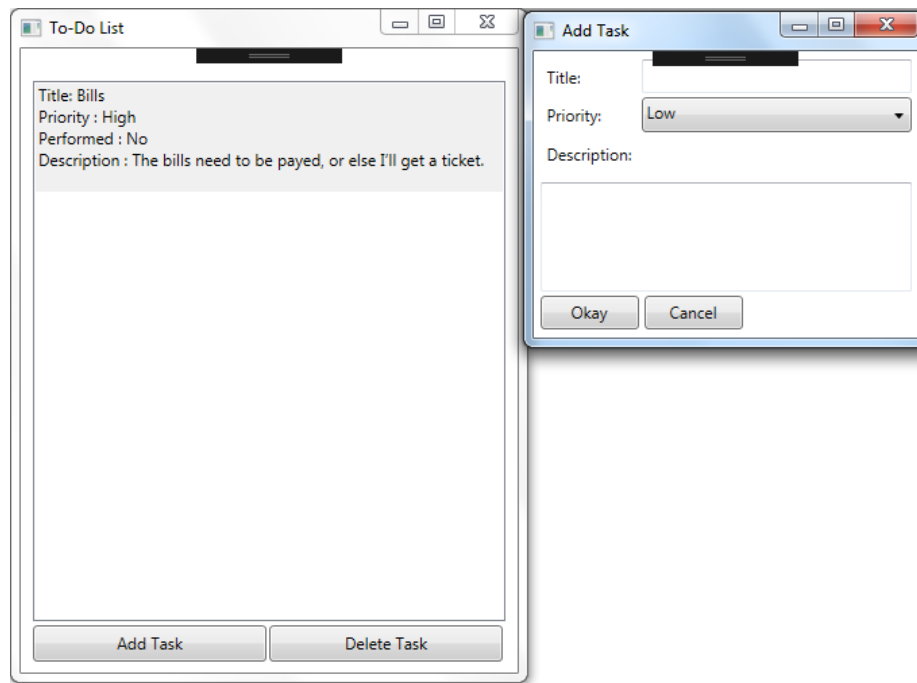Figure 1: Window which will show up at the beginning of the application.

Figure 2: The built-in task displayed in text box. The dialog box which shows up when the Add Task button is pressed.

Conclusion

In this laboratory work I have used C in order to build my WinRT application. I discovered all the possibilities offered to developer while creating such kind of applications.