U++ - Bug #656
GDK_LEAVE_NOTIFY dosen't refresh the state of ctrls (GTK Backend)

01/20/2014 08:31 PM - Zbigniew Rebacz

Status:	Approved		**Start date:**	01/20/2014
Priority:	Normal		**Due date:**	
Assignee:	Miroslav Fidler		**% Done:**	0%
Category:	CtrlCore		**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour

Description

It seems that ctrls don't recive mouse event when pointer leaves the window area. This bug can be observed while using menubars when Standard theme is enable. I think we should handle mouse events when pointer leaves window area.

(CtrlCore/GtkEvent.cpp - line 136):
```
     case GDK_LEAVE_NOTIFY:
        EventMouseValid = false;
     case GDK_MOTION_NOTIFY: {
        GdkEventMotion *e = (GdkEventMotion *)event;
        DoMouseEvent(e->state, Point((int)e->x_root, (int)e->y_root));
        break;
     }
```

instead of:
```
     case GDK_LEAVE_NOTIFY:
        EventMouseValid = false;
        return false; // <- MouseLeave() never be executed!
     case GDK_MOTION_NOTIFY: {
        GdkEventMotion *e = (GdkEventMotion *)event;
        DoMouseEvent(e->state, Point((int)e->x_root, (int)e->y_root));
        break;
     }
```

History

#1 - 01/27/2014 02:52 PM - Miroslav Fidler

- Status changed from Patch ready to In Progress

- Assignee changed from Miroslav Fidler to Zbigniew Rebacz

Well, mouse-leave is normally checked using periodic timer (this is to support platforms lacking proper inputs).

However, a week or two back I was fixing/refactoring related issue there (e.g. EventMouseValid no longer exists). Can you please check if it works now (without applying this patch)?

#2 - 02/11/2014 12:17 AM - Zbigniew Rebacz

- Status changed from In Progress to Patch ready

- Assignee changed from Zbigniew Rebacz to Miroslav Fidler

Can you please check if it works now (without applying this patch)?

No it dosen't.

I think that we should remove "return false" instruction. Finally, the code should look like this:

```
case GDK_LEAVE_NOTIFY:
case GDK_MOTION_NOTIFY: {
    GdkEventMotion *e = (GdkEventMotion *)event;
    DoMouseEvent(e->state, Point((int)e->x_root, (int)e->y_root));
    break;
}
```

#3 - 02/16/2014 03:41 PM - Miroslav Fidler

- Status changed from Patch ready to Approved

Files

GtkEvent.cpp	15.3 KB	01/20/2014	Zbigniew Rebacz