Subject: Re: Using Pen with U++
Posted by mirek on Thu, 01 Apr 2021 15:29:53 GMT
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Tom1 wrote on Thu, 01 April 2021 16:22Mirek,

OK, it seems the following (along with the previous changes) fixes Splitter behavior with pen.

Splitter.h:

```
class Splitter : public Ctrl {
 int           pointer;
public:
 virtual void   Layout();
 virtual void   Paint(Draw& draw);
 virtual void   DoMouseMove(Point p, dword keyflags);
 virtual void   MouseMove(Point p, dword keyflags);
 virtual bool   Pen(Point p, const PenInfo &pn, dword keyflags);
 virtual void   LeftDown(Point p, dword keyflags);
 virtual void   LeftUp(Point p, dword keyflags);
...
```

Splitter.cpp:

```
...
void   Splitter::MouseMove(Point p, dword) {
 if(pointer==2) DoMouseMove(p,0);
}

void   Splitter::DoMouseMove(Point p, dword) {
 if(HasCapture() && mouseindex >= 0 && mouseindex < pos.GetCount()) {
  SetPos(ClientToPos(p), mouseindex);
  Refresh();
  WhenAction();
 }
}

bool   Splitter::Pen(Point p, const PenInfo &pn, dword keyflags){
 switch(pn.action){
  case 0:
   if(pointer==1 && !pn.history) DoMouseMove(p, keyflags);
   break;
  case PEN_DOWN:
   if(IsNull(pointer)) pointer=1;
   LeftDown(p, keyflags);
   break;
  case PEN_UP:
   LeftUp(p, keyflags);
   break;
 }
```

```
 return true;
}

void   Splitter::LeftDown(Point p, dword) {
 if(IsNull(pointer)) pointer=2;
 SetCapture();
 Refresh();
 mouseindex = FindIndex(p);
}

int Splitter::FindIndex(Point client) const {
 int best = -1;
 int maxdist = chstyle->width;
 for(int i = 0; i < pos.GetCount(); i++) {
  int dist = abs((vert ? client.y : client.x) - PosToClient(pos[i]));
  if(dist <= maxdist) {
   best = i;
   maxdist = abs(dist);
  }
 }
 return best;
}

void   Splitter::LeftUp(Point p, dword keyflags) {
 pointer=Null;
 if(HasCapture())
  WhenSplitFinish();
 ReleaseCapture();
 Refresh();
}
...
Splitter::Splitter() {
 pointer = Null; // << Initialize here
 chstyle = NULL;
...
```

Best regards,

Tom

In other words, have we failed again? (The very moment you start fixing code in CtrlLib, it is failure...)

Mirek