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1 #include "stdafx.h"
2 #include "MenuProfile.h"
3
4
5 void MenuProfile::init(IPropertyControlsPtr collection) {
6     this->model = new SMPPProfile;
7     this->collection = collection;
8
9     this->initCoordinates(Elements::e_coordinates,
10         Elements::e_X, Elements::e_Y, Elements::e_Z);
11     this->initSurfaceType(Elements::e_surfaceType);
12     this->initSizeType(Elements::e_sizeType);
13     this->initSize(Elements::e_size);
14     this->initHeight(Elements::e_height);
15     this->initHasHole(Elements::e_hasHole);
16     this->initHoleRadius(Elements::e_holeRadius);
17     this->initAngleAlpha(Elements::e_angleAlpha);
18     this->initRoundingRadius(Elements::e_roundingRadius);
19     this->initEvolutionLength(Elements::e_cutLength);
20     this->initEvolutionAngleGamma(Elements::e_cutAngleGamma);
21     this->initEvolutionRadius(Elements::e_cutRadius);
22     this->initEvolutionRoundingType(Elements::e_cutRoundingType);
23     this->initEvolutionFilletRadius(Elements::e_cutFilletRadius);
24     this->initEvolutionChamferLength(Elements::e_cutChamferLength);
25     this->initEvolutionChamferAngle(Elements::e_cutChamferAngle);
26     this->initButton(Elements::e_button);
27
28     this->checkHasHole();
29     this->checkEvolutionRoundingType();
30 }
31
32 bool MenuProfile::updateMenuParameters() {
33     this->model->coordinates.X = this->coordinates->GetCoordinate(0)->Value;
34     this->model->coordinates.Y = this->coordinates->GetCoordinate(1)->Value;
35     this->model->coordinates.Z = this->coordinates->GetCoordinate(2)->Value;
36     this->model->surfaceType = (enum SurfaceType)this->surfaceType->Find(this->surfaceType->Value);
37     this->model->sizeType = (enum SizeType)this->sizeType->Find(this->sizeType->Value);
38     this->model->size = this->size->Value;
39     this->model->height = this->height->Value;
40     this->model->angleAlpha = this->angleAlpha->Value;
41     this->model->roundingRadius = this->roundingRadius->Value;
42     this->model->hasHole = (this->hasHole->Value.intVal == 1);
43     this->model->holeRadius = this->holeRadius->Value;
44     this->model->cutLength = this->cutLength->Value;
45     this->model->cutAngleGamma = this->cutAngleGamma->Value;
46     this->model->cutRadius = this->cutRadius->Value;
47     this->model->cutRoundingType = (this->cutRoundingType->Value.intVal == 1);
48     this->model->cutFilletRadius = this->cutFilletRadius->Value;
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49     this->model->cutChamferLength = this->cutChamferLength->Value;
50     this->model->cutChamferAngle = this->cutChamferAngle->Value;
51
52     return this->model->updateParameters();
53 }
54
55 void MenuProfile::initEvolutionLength(size_t id) {
56     BSTR name = _T("Длина режущей кромки");
57     this->cutLength = this->collection->Add                                     ↗
58         (ControlTypeEnum::ksControlEditLength);
59     this->cutLength->Name = name;
60     this->cutLength->Hint = name;
61     this->cutLength->Tips = name;
62     this->cutLength->Id = id;
63     this->cutLength->Value = this->model->cutLength;
64 }
65
66 void MenuProfile::initEvolutionAngleGamma(size_t id) {
67     BSTR name = _T("Угол режущей кромки γ");
68     this->cutAngleGamma = this->collection->Add                               ↗
69         (ControlTypeEnum::ksControlEditAngle);
70     this->cutAngleGamma->Name = name;
71     this->cutAngleGamma->Hint = name;
72     this->cutAngleGamma->Tips = name;
73     this->cutAngleGamma->Id = id;
74     this->cutAngleGamma->Value = this->model->cutAngleGamma;
75 }
76
77 void MenuProfile::initEvolutionRadius(size_t id) {
78     BSTR name = _T("Радиус режущей кромки");
79     this->cutRadius = this->collection->Add                                     ↗
80         (ControlTypeEnum::ksControlEditLength);
81     this->cutRadius->Name = name;
82     this->cutRadius->Hint = name;
83     this->cutRadius->Tips = name;
84     this->cutRadius->Id = id;
85     this->cutRadius->Value = this->model->cutRadius;
86 }
87
88 void MenuProfile::initEvolutionRoundingType(size_t id) {
89     BSTR name = _T("Скругление режущей кромки");
90     this->cutRoundingType = this->collection->Add                               ↗
91         (ControlTypeEnum::ksControlTwinSwitcher);
92     this->cutRoundingType->Name = name;
93     this->cutRoundingType->Hint = name;
94     this->cutRoundingType->Tips = name;
95     this->cutRoundingType->Label2 = _T("Фаска режущей кромки");
96     this->cutRoundingType->Id = id;
97     this->cutRoundingType->Value = (this->model->cutRoundingType ? 1 : ↗
98         2);
99 }
100
101 void MenuProfile::initEvolutionFilletRadius(size_t id) {
102     BSTR name = _T("Радиус скругления режущей кромки");
103     this->cutFilletRadius = this->collection->Add                               ↗
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(ControlTypeEnum::ksControlEditLength);
99     this->cutFilletRadius->Name = name;
100    this->cutFilletRadius->Hint = name;
101    this->cutFilletRadius->Tips = name;
102    this->cutFilletRadius->Id = id;
103    this->cutFilletRadius->Value = this->model->cutFilletRadius;
104 }
105
106 void MenuProfile::initEvolutionChamferLength(size_t id) {
107     BSTR name = _T("Фаска режущей кромки");
108     this->cutChamferLength = this->collection->Add          ↗
        (ControlTypeEnum::ksControlEditLength);
109     this->cutChamferLength->Name = name;
110     this->cutChamferLength->Hint = name;
111     this->cutChamferLength->Tips = name;
112     this->cutChamferLength->Id = id;
113     this->cutChamferLength->Value = this->model->cutChamferLength;
114 }
115
116 void MenuProfile::initEvolutionChamferAngle(size_t id) {
117     BSTR name = _T("Угол фаски режущей кромки");
118     this->cutChamferAngle = this->collection->Add          ↗
        (ControlTypeEnum::ksControlEditAngle);
119     this->cutChamferAngle->Name = name;
120     this->cutChamferAngle->Hint = name;
121     this->cutChamferAngle->Tips = name;
122     this->cutChamferAngle->Id = id;
123     this->cutChamferAngle->Value = this->model->cutChamferAngle;
124 }
125
126 void MenuProfile::checkEvolutionRoundingType() {
127     if (this->cutRoundingType->Value.intVal == 1) {
128         this->setFieldActive(field: this->cutFilletRadius);
129         this->setFieldInactive(field: this->cutChamferLength);
130         this->setFieldInactive(field: this->cutChamferAngle);
131     }
132     else {
133         this->setFieldInactive(field: this->cutFilletRadius);
134         this->setFieldActive(field: this->cutChamferLength);
135         this->setFieldActive(field: this->cutChamferAngle);
136     }
137 }
```