УО “Белорусский государственный университет информатики и радиоэлектроники”

Кафедра ПОИТ

Отчет по лабораторной работе №5

по предмету

Надежность программного обеспечения

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**Тест создания нового холста**

function create\_new\_test()

{

//Double-clicks the 0 subitem of the 10 item of the 'FolderView' list view.

Aliases.explorer.wndProgman.SHELLDLL\_DefView.FolderView.DblClickItem(10);

//Runs the "Penuto" tested application.

TestedApps.Penuto.Run(1, true);

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Файл|Новый холст");

//Clicks the 'OkBtn' button.

Aliases.Penuto.AddNewCanvas.OkBtn.ClickButton();

//Enters '^n' in the 'MoreColorsBtn' object.

Aliases.Penuto.WorkArea.ToolsPnl.MoreColorsBtn.Keys("^n");

//Clicks the 'OkBtn' button.

Aliases.Penuto.ConfirmForm.OkBtn.ClickButton();

//Selects the '1070x700' item of the 'PresetCB' combo box.

Aliases.Penuto.AddNewCanvas.PresetCB.ClickItem("1070x700");

//Clicks the 'OkBtn' button.

Aliases.Penuto.AddNewCanvas.OkBtn.ClickButton();

//Enters '^[ReleaseLast]^[ReleaseLast]' in the 'MoreColorsBtn' object.

Aliases.Penuto.WorkArea.ToolsPnl.MoreColorsBtn.Keys("^[ReleaseLast]^[ReleaseLast]");

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Файл|Новый холст");

//Clicks the 'OkBtn' button.

Aliases.Penuto.ConfirmForm.OkBtn.ClickButton();

//Drags the 'NameEdit' object.

Aliases.Penuto.AddNewCanvas.NameEdit.Drag(97, 17, -145, -14);

//Enters the text 'gfggf' in the 'NameEdit' text editor.

Aliases.Penuto.AddNewCanvas.NameEdit.SetText("gfggf");

//Selects the '1400x1050' item of the 'PresetCB' combo box.

Aliases.Penuto.AddNewCanvas.PresetCB.ClickItem("1400x1050");

//Clicks the 'OkBtn' button.

Aliases.Penuto.AddNewCanvas.OkBtn.ClickButton();

//Sets the 'HScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.HScroll.Pos = 0;

//Sets the 'VScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.VScroll.Pos = 0;

//Drags the 'StatusBar' object.

Aliases.Penuto.WorkArea.StatusBar.Drag(1327, 43, 3, 6);

}

**Тест инструментов приложения**

function tools\_test()

{

//Clicks the 'PencilBtn' object.

Aliases.Penuto.WorkArea.PencilBtn.Click(19, 19);

//Sets the 'HScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.HScroll.Pos = 0;

//Sets the 'VScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.VScroll.Pos = 0;

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(56, 58, 524, 155);

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(54, 39);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(112, 29, 410, 124);

//Clicks the 'BrushBtn' object.

Aliases.Penuto.WorkArea.BrushBtn.Click(15, 14);

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(103, 40);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(67, 158, 414, 175);

//Sets the 'BrushThickness' scrollbar control to position 34.

Aliases.Penuto.WorkArea.ToolsPnl.BrushThickness.wPosition = 34;

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(115, 251, 230, 115);

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(81, 19);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(200, 183, 261, 96);

//Clicks the 'PipetteBtn' object.

Aliases.Penuto.WorkArea.PipetteBtn.Click(3, 16);

//Clicks the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Click(125, 263);

//Clicks the 'PencilBtn' object.

Aliases.Penuto.WorkArea.PencilBtn.Click(19, 17);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(510, 333, 199, -147);

//Clicks the 'FillBtn' object.

Aliases.Penuto.WorkArea.FillBtn.Click(12, 9);

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(46, 39);

//Clicks the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Click(657, 102);

//Clicks the 'EraserBtn' object.

Aliases.Penuto.WorkArea.EraserBtn.Click(19, 15);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(89, 111, 212, 62);

//Sets the 'BrushThickness' scrollbar control to position 12.

Aliases.Penuto.WorkArea.ToolsPnl.BrushThickness.wPosition = 12;

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(354, 109, 103, 85);

//Clicks the 'RectangleBtn' object.

Aliases.Penuto.WorkArea.RectangleBtn.Click(8, 17);

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(125, 34);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(724, 71, 251, 125);

//Clicks the 'FloodedRadioBtn' radio button.

Aliases.Penuto.WorkArea.ToolsPnl.FloodedRadioBtn.ClickButton();

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(225, 12);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(772, 108, 148, 48);

//Clicks the 'EllipseBtn' object.

Aliases.Penuto.WorkArea.EllipseBtn.Click(20, 7);

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(105, 28);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(708, 265, 214, 167);

//Clicks the 'NotFloodedRadioBtn' radio button.

Aliases.Penuto.WorkArea.ToolsPnl.NotFloodedRadioBtn.ClickButton();

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(152, 41);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(687, 243, 279, 214);

}

**Тест отмены действий**

function undo\_redo\_test()

{

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Редактирование|Отменить");

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Редактирование|Повторить");

//Clicks the 'BrushBtn' object.

Aliases.Penuto.WorkArea.BrushBtn.Click(12, 9);

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(78, 42);

//Sets the 'HScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.HScroll.Pos = 0;

//Sets the 'VScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.VScroll.Pos = 0;

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(310, 61, 149, 7);

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Редактирование|Отменить");

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Редактирование|Повторить");

}

**Тест сохранения/открытия изображения**

function open\_save\_test()

{

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Файл|Сохранить как...");

//Double-clicks the '|Рабочий стол|OneDrive - Personal|Рабочий стол' item of the 'tv\_' tree.

Aliases.Penuto.dlg\_.DUIViewWndClassName.Item.CtrlNotifySink.NamespaceTreeControl.tv\_.DblClickItem("|Рабочий стол|OneDrive - Personal|Рабочий стол");

//Expands the '|Рабочий стол|OneDrive - Personal|Рабочий стол' item of the 'tv\_' tree.

Aliases.Penuto.dlg\_.DUIViewWndClassName.Item.CtrlNotifySink.NamespaceTreeControl.tv\_.ExpandItem("|Рабочий стол|OneDrive - Personal|Рабочий стол");

//Clicks the 'Edit' object.

Aliases.Penuto.dlg\_.DUIViewWndClassName.Item.FloatNotifySink.ComboBox.Edit.Click(53, 12);

//Enters the text 'gjhg' in the 'ComboBox' text editor.

Aliases.Penuto.dlg\_.DUIViewWndClassName.Item.FloatNotifySink.ComboBox.SetText("gjhg");

//Clicks the 'btn\_' button.

Aliases.Penuto.dlg\_.btn\_.ClickButton();

//Drags the 'WorkArea' object.

Aliases.Penuto.WorkArea.Drag(387, 14, 92, 1);

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Файл|Новый холст");

//Clicks the 'OkBtn' button.

Aliases.Penuto.AddNewCanvas.OkBtn.ClickButton();

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Файл|Открыть");

//Clicks the 'OkBtn' button.

Aliases.Penuto.ConfirmForm.OkBtn.ClickButton();

//Rotates the mouse wheel to -4 over the 'Item' object.

Aliases.Penuto.dlg\_2.DUIViewWndClassName.Item.CtrlNotifySink.ShellView.Item.Item.Item.MouseWheel(-4);

//Rotates the mouse wheel to 3 over the 'Item' object.

Aliases.Penuto.dlg\_2.DUIViewWndClassName.Item.CtrlNotifySink.ShellView.Item.Item2.Item.MouseWheel(3);

//Rotates the mouse wheel to 3 over the 'Item' object.

Aliases.Penuto.dlg\_2.DUIViewWndClassName.Item.CtrlNotifySink.ShellView.Item.Item3.Item.MouseWheel(3);

//Sets the 'HScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.HScroll.Pos = 0;

//Sets the 'VScroll' scrollbar control to position 0.

Aliases.Penuto.WorkArea.ScrollBox.VScroll.Pos = 0;

//Opens the 'C:\Users\mikyy\OneDrive\Desktop\gjhg.jpeg' file via the 'dlg\_2' dialog.

Aliases.Penuto.dlg\_2.OpenFile("C:\\Users\\mikyy\\OneDrive\\Desktop\\gjhg.jpeg", "Jpeg (\*.jpeg)");

//Clicks the 'Palette' object.

Aliases.Penuto.WorkArea.ToolsPnl.Palette.Click(109, 36);

//Drags the 'ScrollBox' object.

Aliases.Penuto.WorkArea.ScrollBox.Drag(475, 101, 204, 97);

}

**Data-Driven тест**

function new\_canvas\_autotest()

{

//Runs the "Penuto" tested application.

TestedApps.Penuto.Run(1, true);

Project.Variables.new\_canvas\_params.Reset();

for(; !Project.Variables.new\_canvas\_params.IsEOF();)

{

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Файл|Новый холст");

//Enters the text KeywordTests.new\_canvas\_autotest.Variables.new\_canvas\_params("name") in the 'NameEdit' text editor.

Aliases.Penuto.AddNewCanvas.NameEdit.SetText(Project.Variables.new\_canvas\_params.Value("name"));

//Clicks the 'WidthEdit' object.

Aliases.Penuto.AddNewCanvas.WidthEdit.Click(48, 10);

//Enters the text KeywordTests.new\_canvas\_autotest.Variables.new\_canvas\_params("width") in the 'WidthEdit' text editor.

Aliases.Penuto.AddNewCanvas.WidthEdit.SetText(Project.Variables.new\_canvas\_params.Value("width"));

//Clicks the 'HeightEdit' object.

Aliases.Penuto.AddNewCanvas.HeightEdit.Click(31, 8);

//Enters the text KeywordTests.new\_canvas\_autotest.Variables.new\_canvas\_params("heigth") in the 'HeightEdit' text editor.

Aliases.Penuto.AddNewCanvas.HeightEdit.SetText(Project.Variables.new\_canvas\_params.Value("heigth"));

//Clicks the 'OkBtn' button.

Aliases.Penuto.AddNewCanvas.OkBtn.ClickButton();

//Moves the mouse cursor to the menu item specified and then simulates a single click.

Aliases.Penuto.WorkArea.MainMenu.Click("Файл|Новый холст");

//Clicks the 'OkBtn' button.

Aliases.Penuto.ConfirmForm.OkBtn.ClickButton();

Project.Variables.new\_canvas\_params.Next();

}

}