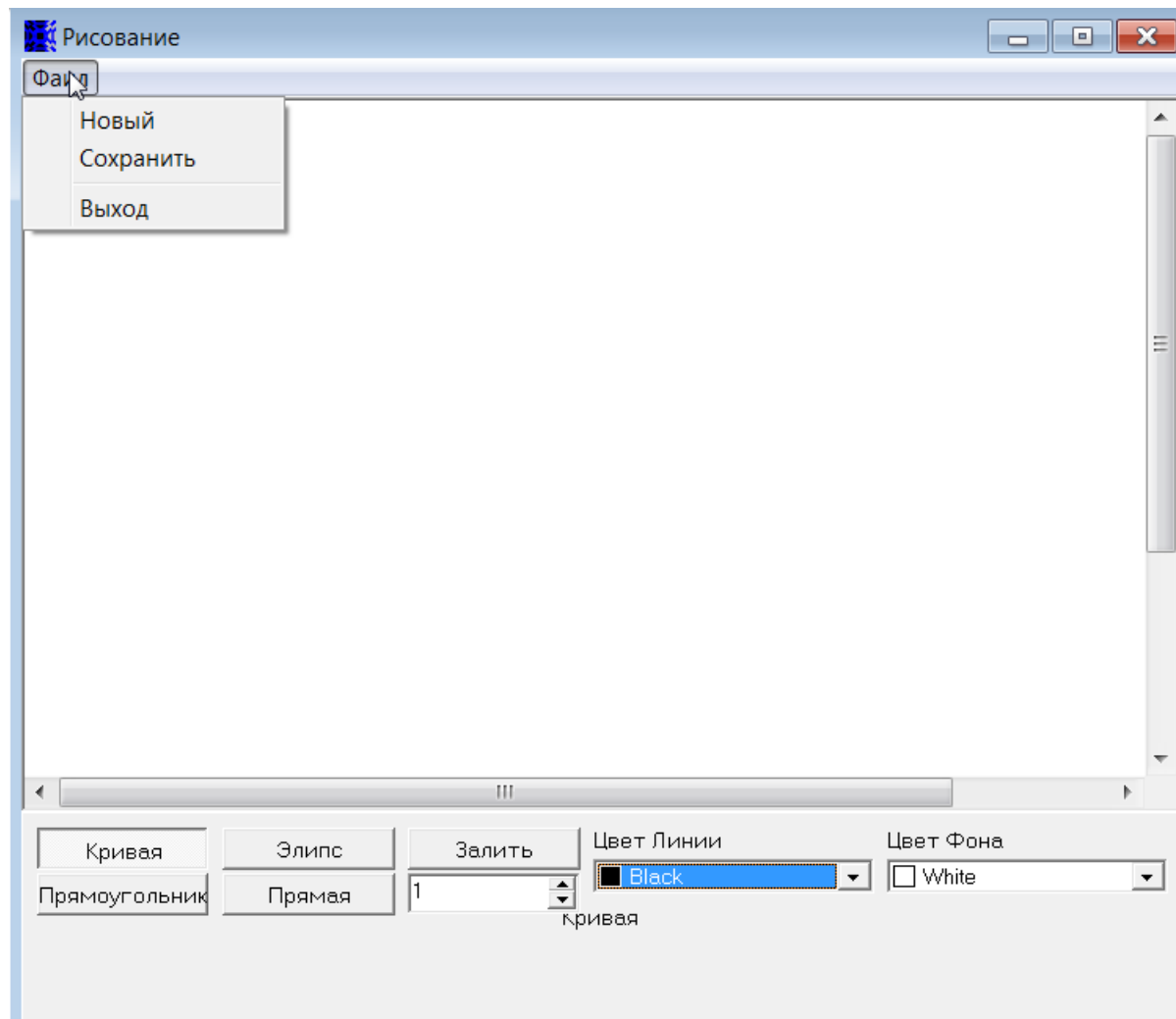


## Рисование (Рисование.exe)



Приложение для рисования разных фигур. Можно выбрать фигуру, нажав на соответствующую кнопку, толщину линии (с помощью стрелок или ввести вручную) и мышкой протянув нарисовать фигуру нужного размера. Также можно выбрать цвет линии и заливки(фона). При рисовании нескольких фигур, одна накладывается на другую, т.е. по верх первой. Фигуры по рабочей области перетаскивать нельзя. Для заливки необходимо выбрать цвет фона и мышкой нажать на область закрашивания. Рисунок можно сохранить только с помощью меню.

1. Напишите идеи чек листа, которые вы выполните для проверки работоспособности этой программы. Запишите возникшие у вас вопросы.

1. Create new file	19. save and open the empty file via the folder where it is saved	37.
2. select line thickness 10 using the arrows	20. exit the programme via the menu	38.
3. select line thickness 10 using the keyboard	21.	39.
4. select a square, draw a line thickness of 1 by keyboard, background colour white	22.	40.
5. select a square, draw a line thickness of 10 by keyboard, background colour white	23.	41.
6. select ellipse, draw line thickness 1 by keyboard, background colour white	24.	42.
7. select ellipse, draw line thickness 10 by keyboard, background colour white	25.	43.
8. select a rectangle, draw a line thickness of 1 by keyboard, background colour white	26.	44.
9. select a rectangle, draw a line thickness of 10 by keyboard, background colour white	27.	45.
10. select a straight line, draw a line thickness of 1 by keyboard, background colour white	28.	46.
11. select a straight line, draw a line thickness of 10 by keyboard, background colour white	29.	47.
12. select a curve, select a line colour yellow and draw with thickness 1, select the thickness by using the arrows, background colour white	30.	48.
13. Select ellipse, select line colour red and draw with thickness 1, select the thickness by using the arrows, background colour white.	31.	49.
14. select a rectangle, to choose a line colour green and draw with a thickness of 1 by keyboard, select the thickness by using the arrows, background colour white	32.	50.

15. select a straight line, to choose a line colour orange and draw with a thickness of 1, to choose a thickness by using the arrows, background colour white	33.	51.
16. change the background colour to red and draw a square with a line thickness of 5 by keyboard, the line colour black	34.	52.
17. select background colour green, draw a white circle with thickness 3, a grey rectangle with thickness 8 by keyboard, a black straight line with thickness 15, a red curve with thickness 10, save file	35.	53.
18. draw a rectangle in line colour black, fill with yellow, thickness 16 by keyboard, background colour white	36.	54.

#### Questions to the requirements:

1. what is the maximum line thickness?
2. what line colours available? what background colours?
3. limits on the number of figures drawn at the same time?
4. what is the size of the working window
5. where is the file saved by default?
6. what type the saved file has?
7. What should the curve look like? Is it based on a template or does the user draw it themselves?

2. Напишите основные тест-кейсы, которые Вы выполните для проверки работоспособности этой программы. Запишите возникшие у вас вопросы.

ID	Priority	RQ	Title	Description	Expected result	Comments
1	smoke		Draw rectangle	<ol style="list-style-type: none"> <li>1. Create new file with name "rectangle"</li> <li>2. Select rectangle</li> <li>3. Select color line red</li> <li>4. Select thickness of line 5 using arrows</li> <li>5. Draw by mouse on workspace</li> </ol>	5. Red Rectangle thickness 5 drawn	
2	smoke		Draw ellipse	<ol style="list-style-type: none"> <li>1. Create new file with name "ellipse"</li> <li>2. Select ellipse</li> <li>3. Select color line green</li> <li>4. Select thickness of line 10 using keyboard</li> <li>5. Draw by mouse on workspace</li> </ol>	5. green ellipse thickness 10 drawn	
3	smoke		Draw curve	<ol style="list-style-type: none"> <li>1. Create new file with name "curve"</li> <li>2. Select curve</li> <li>3. Select color line blue</li> <li>4. Select thickness of line 1 using arrows</li> <li>5. Draw by mouse on workspace</li> </ol>	5. blue curve thickness 1 drawn	
4	smoke		Draw straight	<ol style="list-style-type: none"> <li>1. Create new file with name "straight"</li> <li>2. Select straight</li> <li>3. Select color line black</li> <li>4. Select thickness of line 2 using arrows</li> <li>5. Draw by mouse on workspace</li> </ol>	5. black straight line thickness 1 drawn	
5	critical		changing the background, drawing shapes, saving work	<ol style="list-style-type: none"> <li>1. Change background color on black</li> <li>2. Select rectangle</li> <li>3. Select color line white</li> <li>4. Select thickness of line 5 using arrows</li> <li>5. Draw by mouse on workspace</li> <li>6. Select ellipse</li> <li>7. Select color line green</li> <li>8. Select thickness of line 2 using arrows</li> <li>9. Draw on rectangle by mouse</li> </ol>	<p>5. a white rectangle with a thickness of 5 on a black background</p> <p>9. a green ellipse with a thickness 2 on rectangle with</p>	

10. Select curve
11. Select color line red
12. Select thickness of line 15 using arrows
13. Draw on ellipse by mouse

a thickness of 5 on a black background

13. a red curve with a thickness 15 on green ellipse with a thickness 2 and rectangle with a thickness of 5 on a black background

14. Select straight
15. Select color line blue
16. Select thickness of line 8 using arrows
17. Draw on curve by mouse

17. a blue straight with thickness 8 on red curve with a thickness 15, green ellipse with a thickness 2 and rectangle with a thickness of 5 on a black background

18. Save file

18. save file in the folder with default path

18 where is the file saved by default? **TBD**


**3. Напишите баг-репорты по замеченным «нюансам работы» приложения. Я не предоставляю Вам технического задания на данную программу, поэтому просто укажите все проблемы (ошибки, проблемы в ГУИ и т.п.), которые Вы считаете, заслуживают исправления. Запишите возникшие у вас вопросы. **Пожалуйста, начните с наиболее серьезных ошибок!****

ID	Title	Description	Steps to reproduce	Reproducibility	Severity	Priority	Exp. Result	Actual Result	Attachment
1	The name of the selected shape is behind the button"Прямая" and thickness selection	The name of the selected shape is behind the button"Прямая" and thickness selection	1. open "Рисование.exe"	always	Medium	normal	The name of the selected shape down than button"Прямая" and thickness selection	The name of the selected shape is behind the button"Прямая" and thickness selection	<a href="https://drive.google.com/file/d/1QMq7OXDXrH-HukxkpVumJZH40hDNt6B7/view?usp=sharing">https://drive.google.com/file/d/1QMq7OXDXrH-HukxkpVumJZH40hDNt6B7/view?usp=sharing</a>
2	The shape name does not change when the shape is changed	The shape name does not change when the shape is changed	1. clicking button "Элипс" 2. clicking button "Прямоугольник" 3. clicking	always	medium	normal	1. the name of the current figure "Элипс" 2. the name of the current figure "Прямоугольник" 3. the name	1. the name of the current figure "Кривая" 2. the name of the current figure "Кривая"	<a href="https://drive.google.com/file/d/1-Aoo9Z3nG-c5fAn5LKKhB-u1Ho_kv5g/view?usp=sharing">https://drive.google.com/file/d/1-Aoo9Z3nG-c5fAn5LKKhB-u1Ho_kv5g/view?usp=sharing</a>

			button "Прямая"				of the current figure "Прямая"	3. the name of the current figure "Кривая"	
3	Grammatical error in the name of the figure button "Элипс" and top menu "Файл", it should be "ЕлЛипс" and "Файл"	Grammatical error in the name of the figure button "Elipse", it should be "Ellipse"	1. open "Рисование. exe"	always	minor	normal	1. button name are "ЭлЛипс" and "Файл"	1. button name are "Элипс" and "Файл"	<a href="https://drive.google.com/file/d/1h31wyNLv-AWS0YI0KyIZOohbqJbegR5n/view?usp=sharing">https://drive.google.com/file/d/1h31wyNLv-AWS0YI0KyIZOohbqJbegR5n/view?usp=sharing</a>
4	line colour name in English	line colour name in English , the app itself in Russian	1. click to change color line on "Black"	always	minor	low	interface language is Russian	color line language is english	<a href="https://drive.google.com/file/d/17pM69fpHMUCAzbYAN1A3N5Cs8O0dTG5K/view?usp=sharing">https://drive.google.com/file/d/17pM69fpHMUCAzbYAN1A3N5Cs8O0dTG5K/view?usp=sharing</a>
5	the thickness goes to minus when selecting with the arrows and entering with the keypad	the thickness goes to minus when selecting with the arrows and entering with the keypad	1. enter into line thickness -2 2. change thickness to -5 by arrows	always	critical	high	1. input is not available 2. input is not available	1. input available 2. input available	

6	Change background color issue	no possibility of changing the background	1. open "Рисование.exe"	always	major	high	1. there is a field for selecting a background change	1. there isn't field for selecting a background change	
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4. Написать саммари к TRR (задание выполняется опционально)

### Test result report Рисование (Рисование.exe) 01.12.2022-15.12.2022

**Test team:**

Name	Position	Role in the project
Daria Pavlovskaya	Tester	Functional testing

**Testing process description:**

Test environment: OC Windows 11 build 20208.

Test level: System testing.

Test types used: Functional, GUI, Localization.

All test scenarios were created based on requirements from doc for Control work (see Control Work Module 1 by email) using black-box techniques.

All tests performed manually

**Summary:**

News: Project starts closes on 15.12.2022

Test Analysis: There are 6 bugs found, it seems as expected , as this build is for training testing.

**Testing timetable:**

Tester	Date	Description	Duration
Daria Pavlovskaya	5.12.2022	Creating check-lists for check that the programme is working; creating basic test cases; creating bug report;	3h

**Recommendations:**

I would recommend to focus on corrections for basic functionality first and only then proceed with new features development.



**New bugs found:**

1	Medium	The name of the selected shape is behind the button"Прямая" and thickness selection
2	medium	The shape name does not change when the shape is changed
3	minor	Grammatical error in the name of the figure button "Элипс" and top menu "Файл", it should be "Еллипс" and "Файл"
4	minor	line colour name in English
5	critical	the thickness goes to minus when selecting with the arrows and entering with the keypad
6	Medium	Change background color issue

**All bugs statistics:**

Status	Quantity	Severity			
		Critical	Major	Medium	Minor
New	6	1	0	3	1