

INTERNET WHITEBOARD

ACCEPTANCE TEST PLAN DOCUMENT

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1.INTRODUCTION

The primary aim of the project is to build the internet white board which basically works as a correspondence path between employees of ConTech and clients, it helps them to communicate and work together.

1.1 PREFACE

- Version 1.2

Under environment besides linux, ubuntu, python, other applications/plugins that need to be active have been mentioned.

Under operation instructions on how to execute the test have been mentioned briefly.

- Version 1.1

New tests are added as per the user requirements.

- Version 1.0

The Acceptance Test Plan document is organized into 4 sections, with each section describing respective requirements. The first section highlights the purpose, scope, intended audience and the version history. Section 2 describes the glossary and abbreviations of the document by stressing on the technical terms being used. Furthermore, section 3 describes the acceptance test plan, which further presents executable test results based on our user requirements and test specifications as seen in the SRC document. Finally, section 4 concludes with references used.

1.2 PURPOSE OF THIS DOCUMENT

The main purpose of this project document is to provide an acceptance test plan to our software project related to the internet whiteboard product.

This test plan will detailly describe the testing approach and overall framework that will drive the product by clearly stating the rules the test will be based on (Test strategy) and describing how the test will be performed, scheduling and responsible team members. Thus, ensuring that all the user functionalities works effectively per the project requirements.

1.3 AUDIENCE

Basically, this document is intended to the following group of persons:

1. P5: Internet Whiteboard project members coding, testing, and documentation.
2. Client (review-analyse all functionalities).
3. Project Supervisors who also doubles as client. They are involved with project reviewing and validation.

1.3 SCOPE

The scope of this document is to provide one (executable) test for each of the user requirements from the approved SRC document earlier presented.

1.5 Version History

Date	Document Type	Release Version	Description	Author
2017-04-30	Project Specification	v1.1	<ul style="list-style-type: none"> -Clarified the roles of each user with respect to system architectural design (section 4). -Modified program organization structure (section 7). -Updated project organization configuration management and progress tracking-quality control (section 8). -Modified millstone purpose and team responsibilities -Documentation edited (entire document) -Modified packaging and documentation plans with time schedules (section 13). 	Adil Sreelekha Elvis
2017-04-23		v1.0	Initial release	
2017-05-07	System Requirement Specification (SRC)	V1.1	<ul style="list-style-type: none"> - Modified Project Organization Architecture (section 3). -Added module 1(front end) and module 2(backend) architecture. (section 3.1 & 3.2). -Detailed user requirements with schedule of each team member's responsibilities added (section 4.1). -Detailed system requirements and respective constrains on project completion added (section 4.2). 	Adil Sreelekha Elvis
2017-04-30		V1.0	Initial release	
2017-05-14	Design Document	V1.1	<ul style="list-style-type: none"> -Detailed and modified versions of both module 1 name and module 2 names (section 3 & 3.1). -Included brief explanation of each unit test plan type main purpose, expected and tested results obtained (section 3.2). -Added figures based on unit test plan operations (section 3.2). 	Monica Akhilesh
2017-05-07		V1.0	Initial release	
2017-05-14	Acceptance Test Plan	V1.2	Tests are added.	Monica Akhilesh
2017-10-28	Acceptance Test Plan	V1.3	Tests are added	

TABLE1: VERSION HISTORY

1.6 REVIEWERS

Reviewer(s) Name(s)	Document Type	Version Approved	Signature	Date
Client: Con Tech Consulting	Project Specification	Not approved	Sai-Datta Vishnubhotla	2017-05-02
Project Supervisors: Dr. Dragos Ilie(Client)	System Requirement Specification (SRC)	Pending		
Sai-Datta Vishnubhotla	Design Document	Pending		
	Acceptance Test Plan	Pending		

TABLE 2: REVIEWERS

GLOSSARY AND ABBREVIATIONS

2.1 GLOSSARY

The project organization for the Internet White Board has 10 WBS segments which are mentioned below, the work is divided based on WBS segments and members in the group are made responsible to one or multiple tasks. The alignment of members in the group to their respective tasks are listed as follows

1. **Generating frontend white board Structure:** This basically means to create a simple white board including registration and login pages for the Admin, User and Employee.
2. **Building the backend white board session:** In this segment, the created white board is developed based on the resources and it requires time to be done.
3. **Sheet Management:** This deals with managing and modification of sheets and add different tools and features to the sheets, different access is determined to user, employee and admin respectively.
4. **Server maintenance:** This segment deals with server linkup and ensuring every modification that has been made is regularly updated in the database.
5. **Security:** Security plays a prominent roll and it deals with the encryption of communication thus, one members in the group have been assigned to complete the task.
6. **Interaction between user-user and user-server:** This segment deals with communication between one user with other users and users with server

7. Debugging: This segment deals with identifying the errors and fixing them, this also included fixing errors that have been reported by the users

8. Packaging: The segment deals with the integration and packaging of different modules into the system.

9. Testing: Testing is expected to be wide and crucial, every member of the group is expected to perform each task individually and the whole package is tested by the group members accordingly.

10. Documentation: This segment deals with all the documentations needed that is Installation documentation and user documentation.

2.2 ABBREVIATIONS

1. IP Address: It is known as Internet Protocol Address. It is a unique number assigned to each system which are connected in a Network.

2. SQL: Standard Queuing Language. It is a special purpose language which is used to manage related data.

3. GUI: Graphical User Interface. It enables the user to interact with the system through visual indicators.

4. RESTful API: Representational State Transfer (REST) is an architectural style that specifies constraints, such as the uniform interface, that if applied to a web service induce desirable properties, such as performance, scalability, and modifiability, that enable services to work best on the Web. API is Application Programmable Interface.

5. FLASK: It is an implementation of the web browsable APIs like Django REST framework. It gives proper content negotiated responses. It also provides smart request parsing. we can start building kick-ass web browsable APIs using FLASK.

6. PyMySQL: PyMySQL is a database connector for Python programming language libraries and its used to enable Python programs to talk to a MySQL server [2]

7. MySQLdB: Its having same functionality as PyMySQL [2]

8. Timestamp: It is considered as a series of characters or encoded information that identify the occurrence of an event. Mostly expressed based on a calendar year.

9. Python Tkinter: Tkinter is one of the standard Python's Graphical User Interface(GUI) package. [3]

10. PHP: Hyper Text Pre-processor is a server scripting programming language that is used for making dynamic and user interactive web based pages.

ACCEPTANCE TEST PLAN

3.1 Testing

Each unit or component is mentioned below and per the requirement testing is done for each component.

3.1.1 Test: Login page

Purpose: Considering the test for Registration page, that is checking response when the registration details are provided and when the login credentials are provided.

Requirements: front end module is tested in web browser and can be edited in code editor.

Environment: Code editor is provided for testing.

Operation: Open the PHP file in browser and obtained front page is appeared.

Expected result: After operations carried out registration form and login page should be obtained.

Result: Success, as shown in the screenshot below.

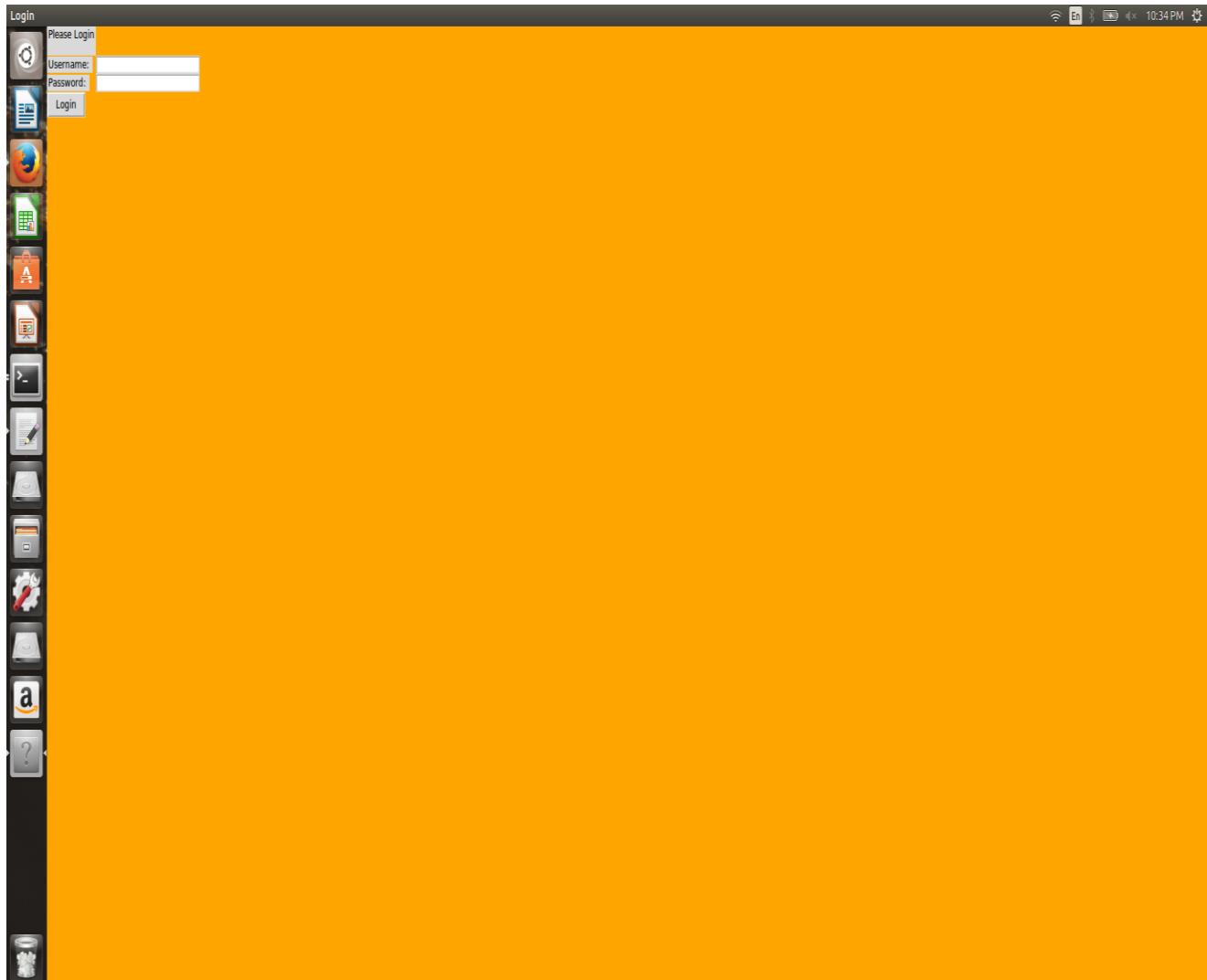


FIG 1- LOGIN PAGE

3.1.2 Test: Registration page

Purpose: Considering the test for Registration page, that is checking response when the registration details are provided and when the login credentials are provided.

Requirements: front end module is tested in web browser and can be edited in code editor.

Environment: Code editor is provided for testing.

Operation: Open the PHP file in browser and obtained front page is appeared.

Expected result: After operations carried out registration form and login page should be obtained.

Result: Success, as shown in the screenshot below.

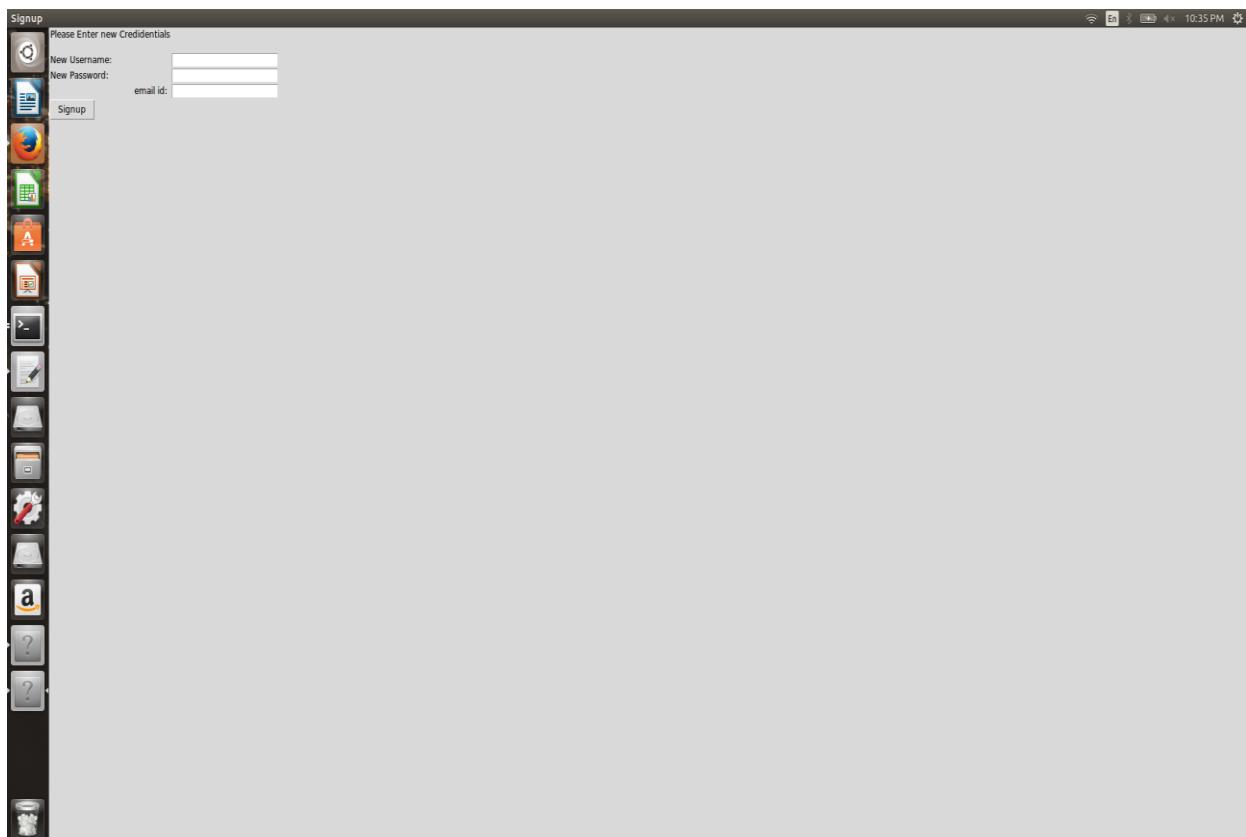


FIG 2: REGISTRATION PAGE

3.1.3 Test: Admin page

Purpose: Considering the test for Admin page, that is checking response when the admin details are provided and when the login credentials are provided.

Requirements: front end module is tested in web browser and can be edited in code editor.

Environment: Code editor is provided for testing.

Operation: Open the PHP file in browser and obtained front page is appeared.

Expected result: After operations carried out registration form and login page should be obtained.

Result: Success, as shown in the screenshot below.

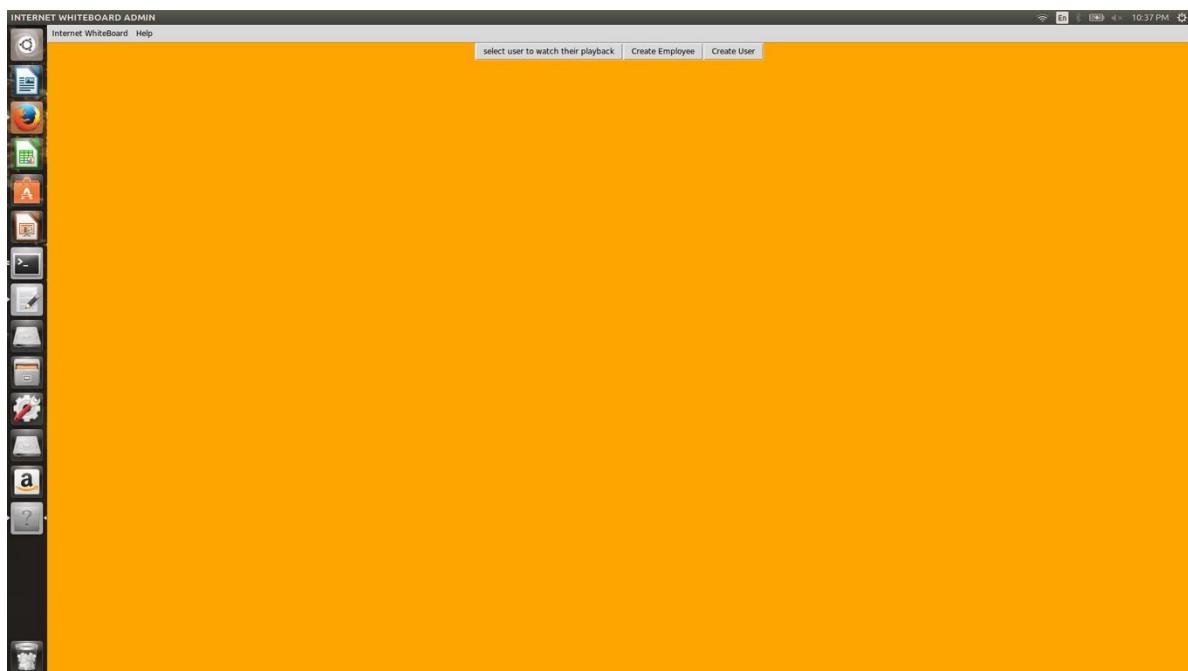


FIG 3: ADMIN PAGE

3.1.4 Test: Employee page

Purpose: Considering the test for Employee page, that is checking response when the employee page details are provided and when the login credentials are provided.

Requirements. front end module is tested in web browser and can be edited in code editor.

Environment:

Operation: Open the PHP file in browser and obtained front page is appeared.

Expected result: After operations carried out picture of employee page should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

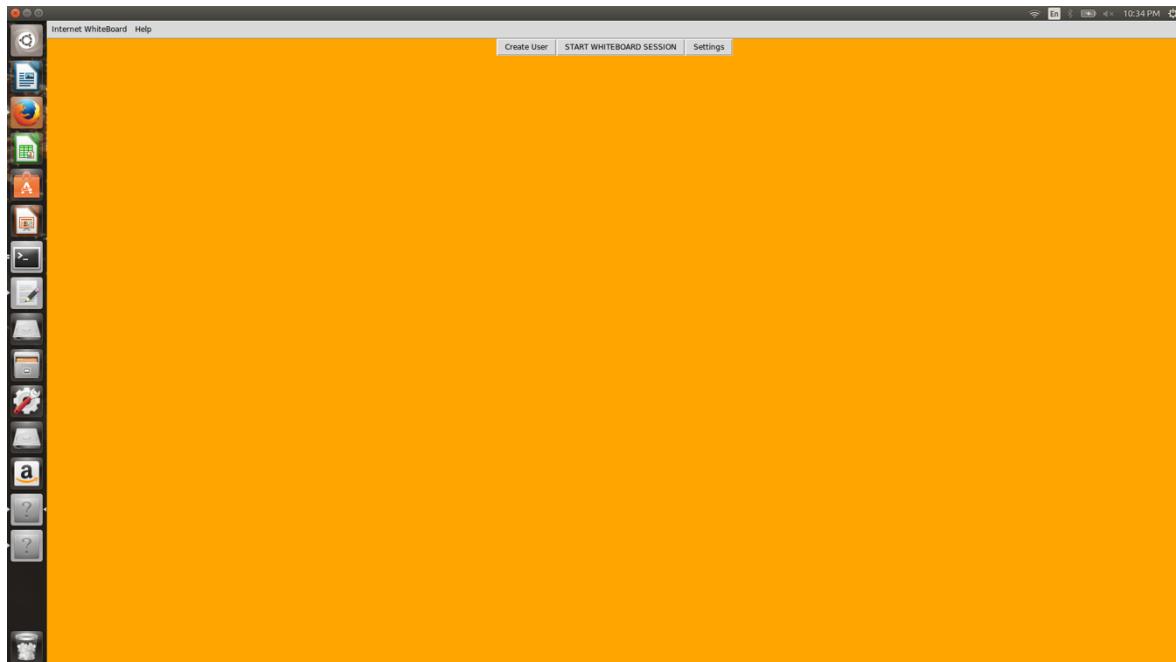


FIG 4: EMPLOYEE PAGE

3.1.5 Test: User page

Purpose: Considering the test for User login page, that is checking response when login of user is successful

Requirements: front end module is tested in web browser and can be edited in code editor.

Environment: Code editor is provided for testing.

Operation: Open the HTML file in browser

Expected result: After operations carried out registration form and login page should be obtained.

Result: Success, as shown in the screenshot below.

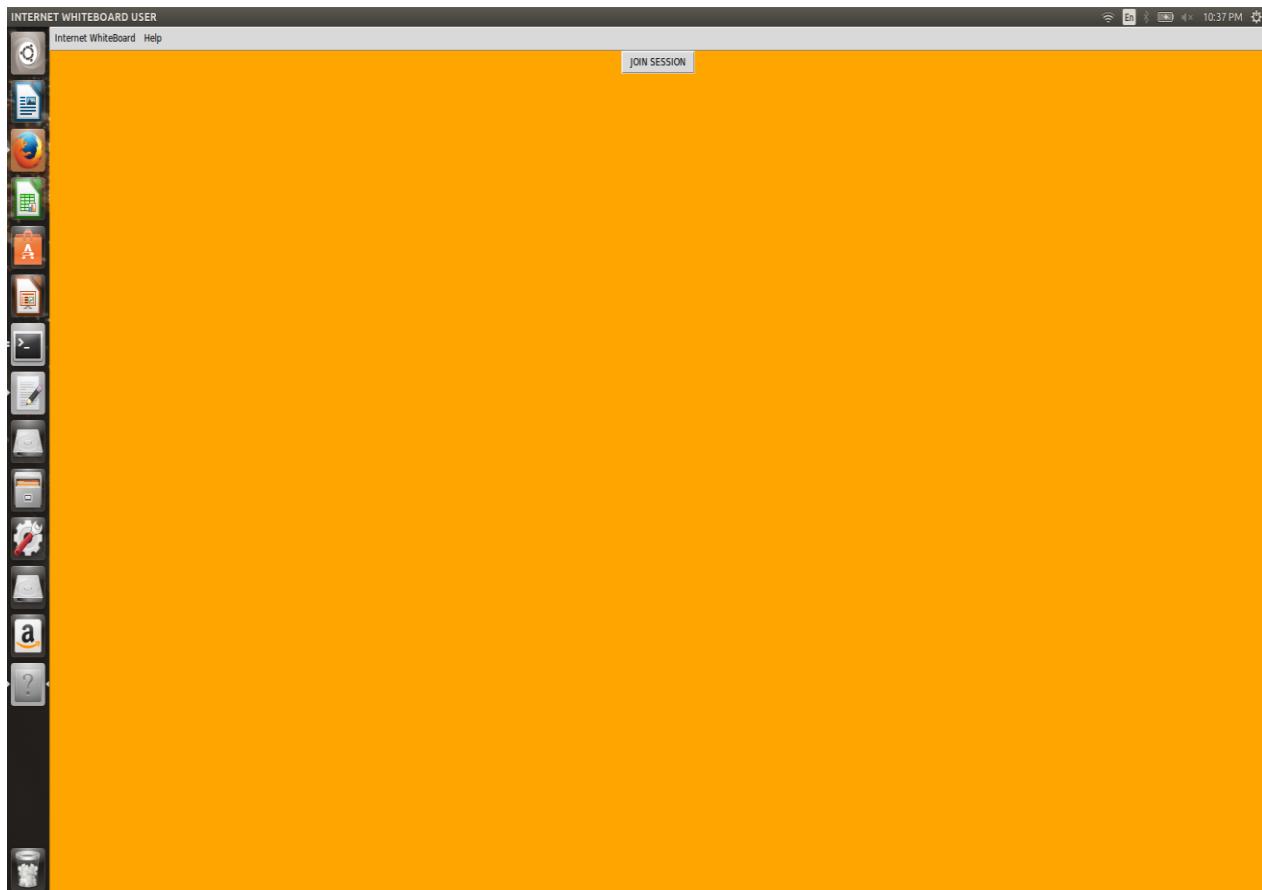


FIG 5: USER PAGE

3.1.6 Test: LINE

Purpose: Considering test for line, that is the tool 'Line' functions per requirement.

Environment: Application should be running

Operation: Open the application then select the tool 'Line' in the tool tab then draw the line.

Expected result: After the operation is carried out a straight line should appear in the sheet.

Result: Success, as shown in the below screenshot.

Comment: Run the application and select the tool that is to be tested.

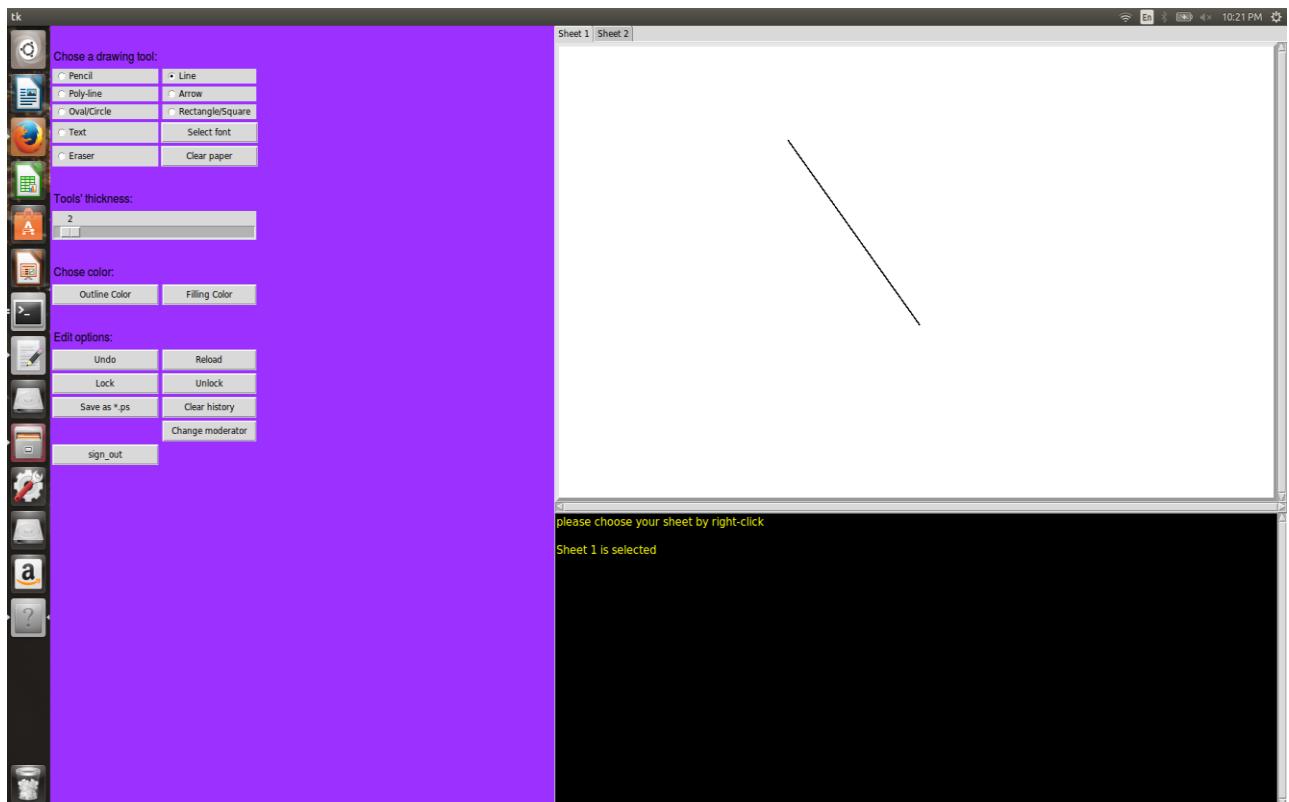


FIG 6: LINE

3.1.7 Test: Pencil

Purpose: Considering the test for Pencil, that is the tool ‘Pencil’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘Pencil’ in the tool tab then draw using pencil.

Expected result: After operations carried out picture should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

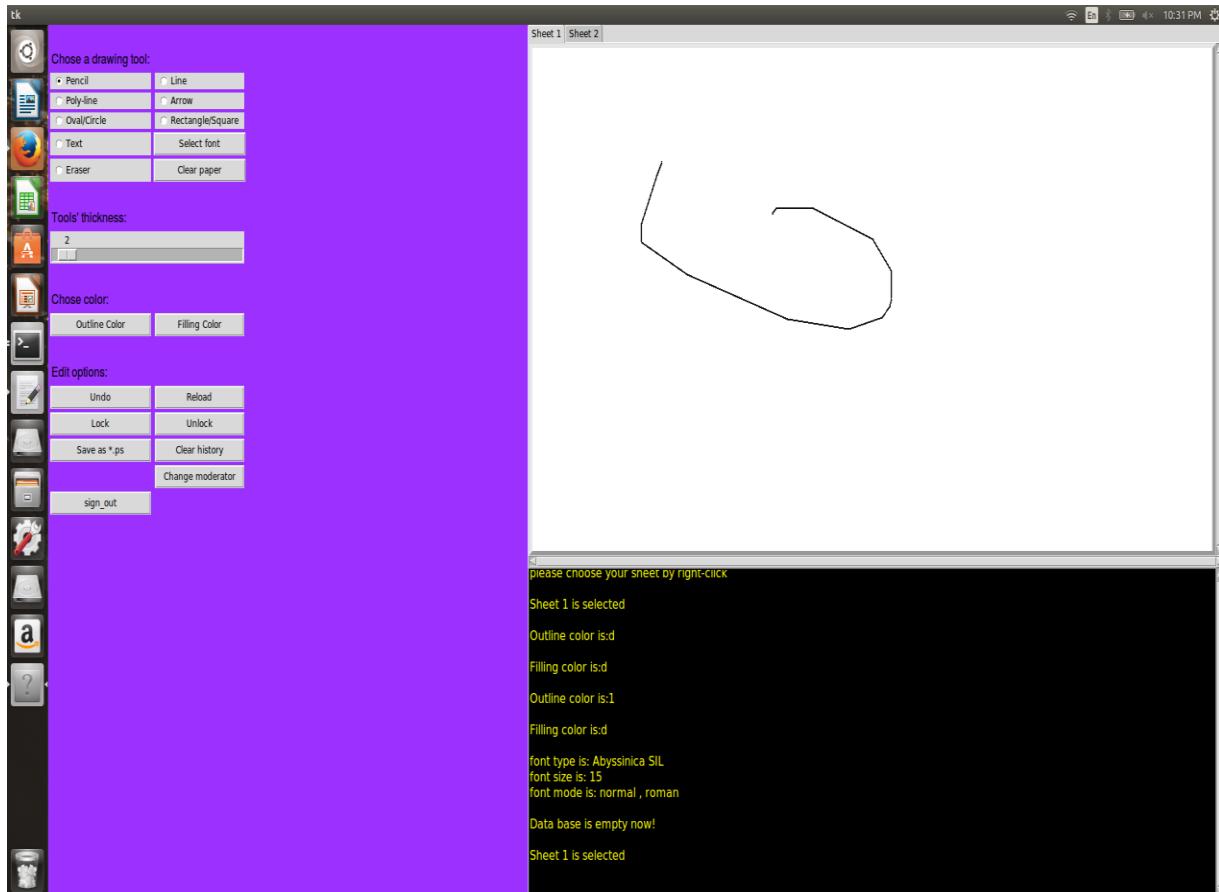


FIG 7: PENCIL

3.1.8 Test: Arrow

Purpose: Considering the test for Arrow, that is the tool 'Arrow' functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool 'Arrow' in the tool tab then draw Arrow should be shown on sheet.

Expected result: After operations carried out picture of arrow should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

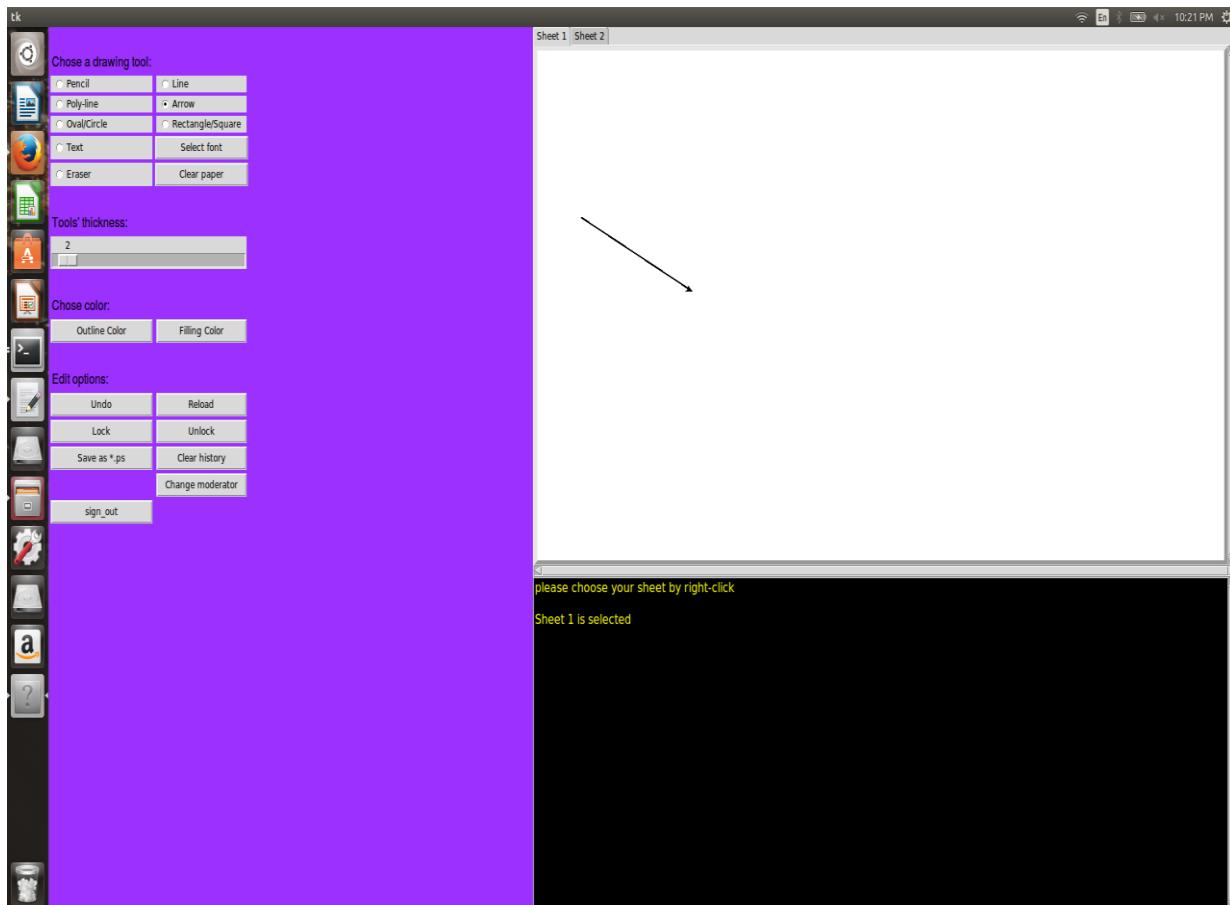


FIG 8: ARROW

3.1.9 Test: Polyline

Purpose: Considering the test for Polyline, that is the tool ‘Polyline’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘Polyline’ in the tool tab then draw using the tool.

Expected result: After operations carried out desired polyline should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

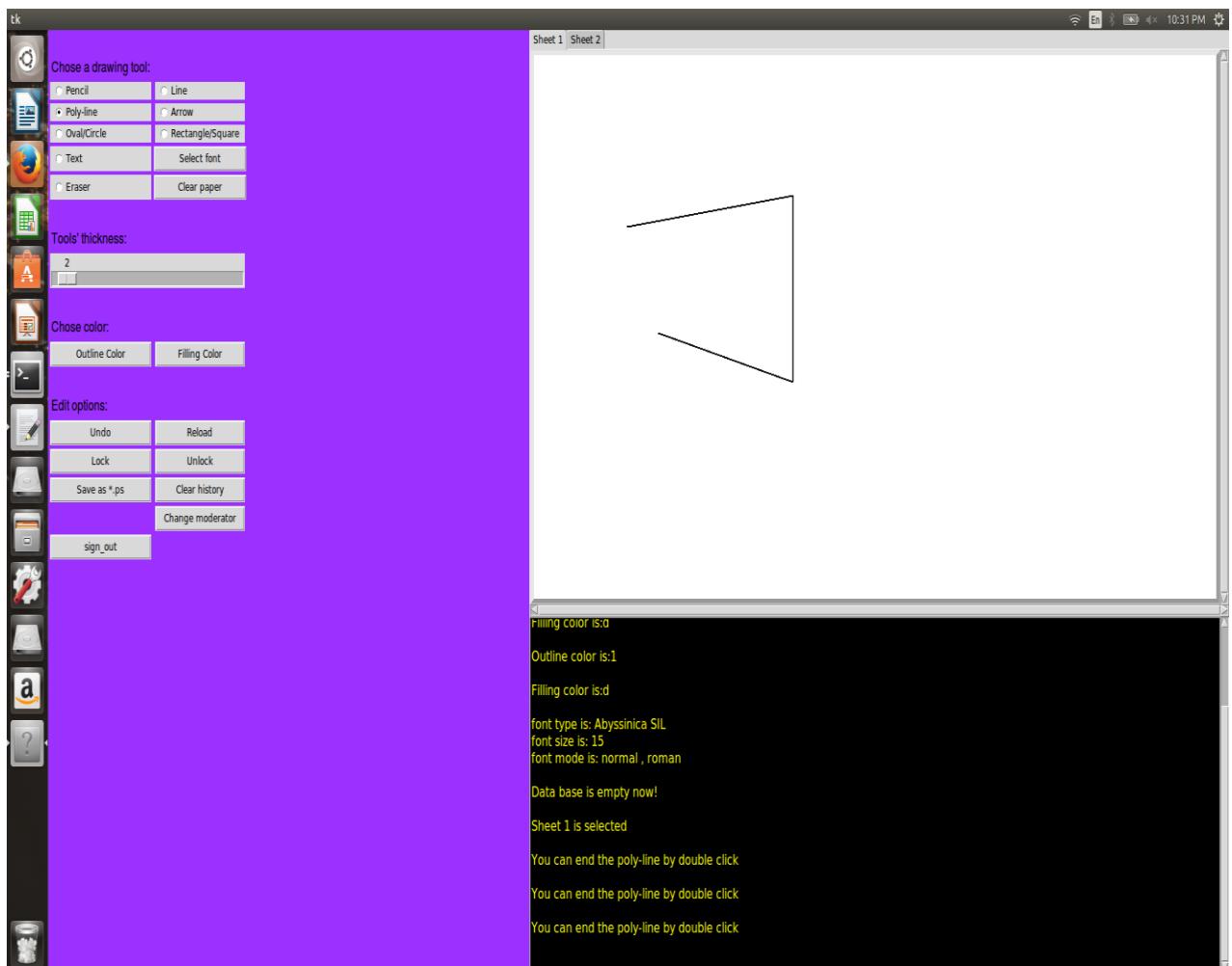


FIG 9: POLYLINE

3.1.10 Test: Circle or oval

Purpose: Considering the test for Circle or oval, that is the tool ‘Circle or oval’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘Circle or oval’ in the tool tab then draw using the tool

Expected result: After operations carried out circle should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

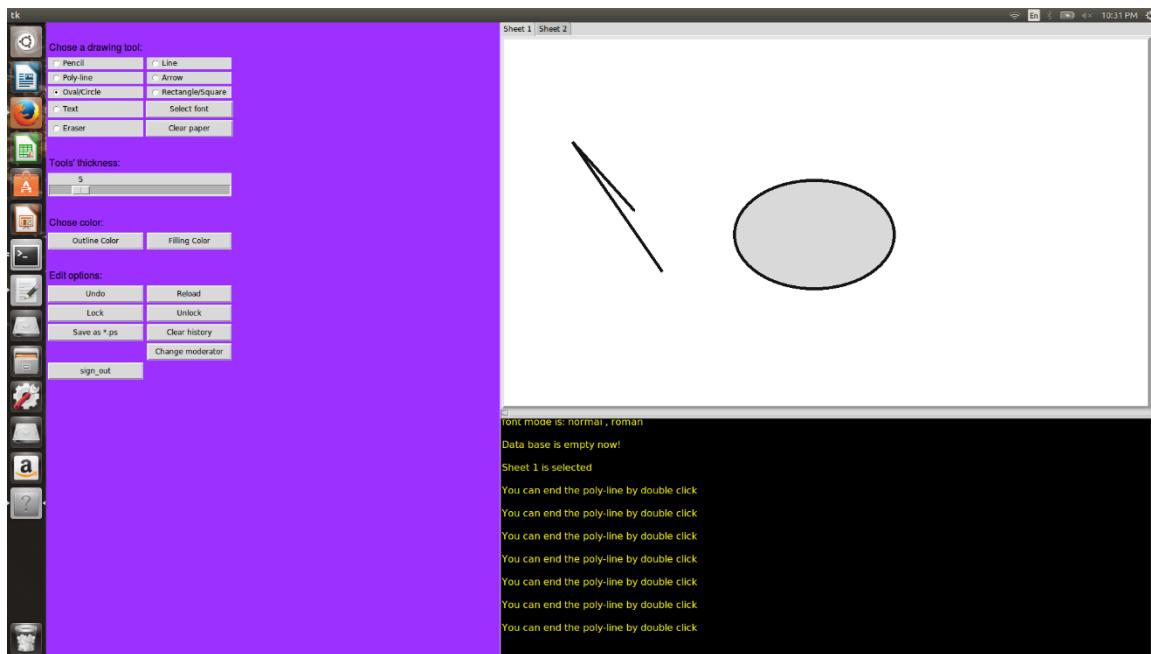


FIG 10: CIRCLE

3.1.11 Test: TEXT

Purpose: Considering the test for text, that is the tool ‘Text’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘Text’ in the tool tab then write text

Expected result: After operations carried out written text should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

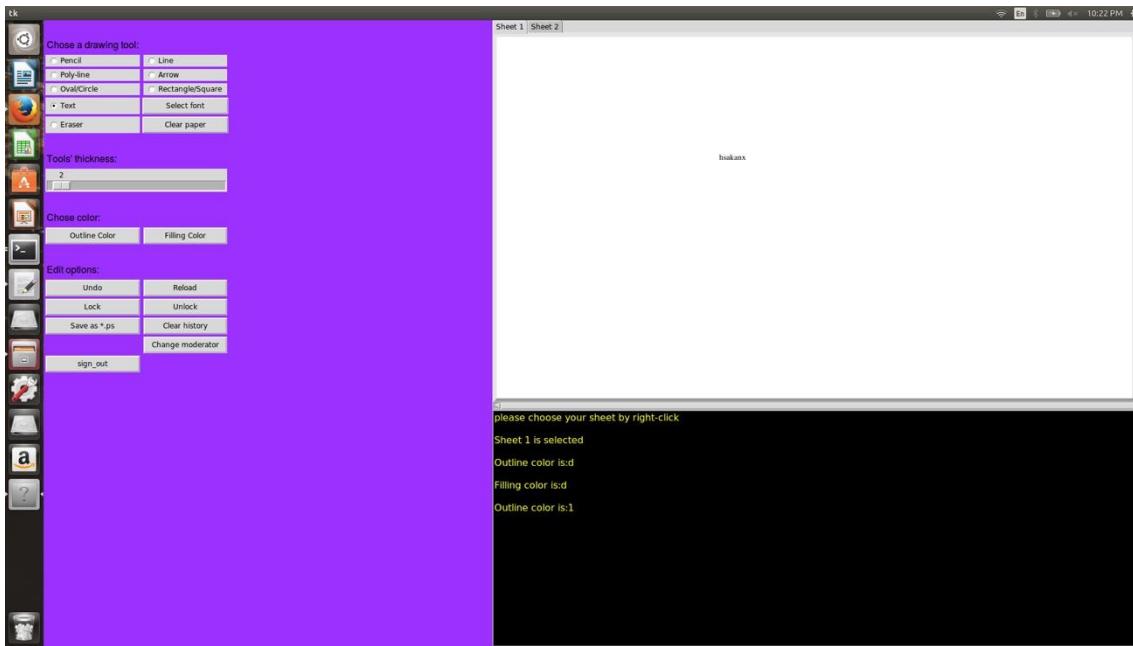


FIG 11: TEXT

3.1.12 Test: Eraser

Purpose: Considering the test for Eraser, that is the tool 'Eraser' functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool 'Eraser' in the tool tab then erase the picture using eraser.

Expected result: After operations carried out, erased picture should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

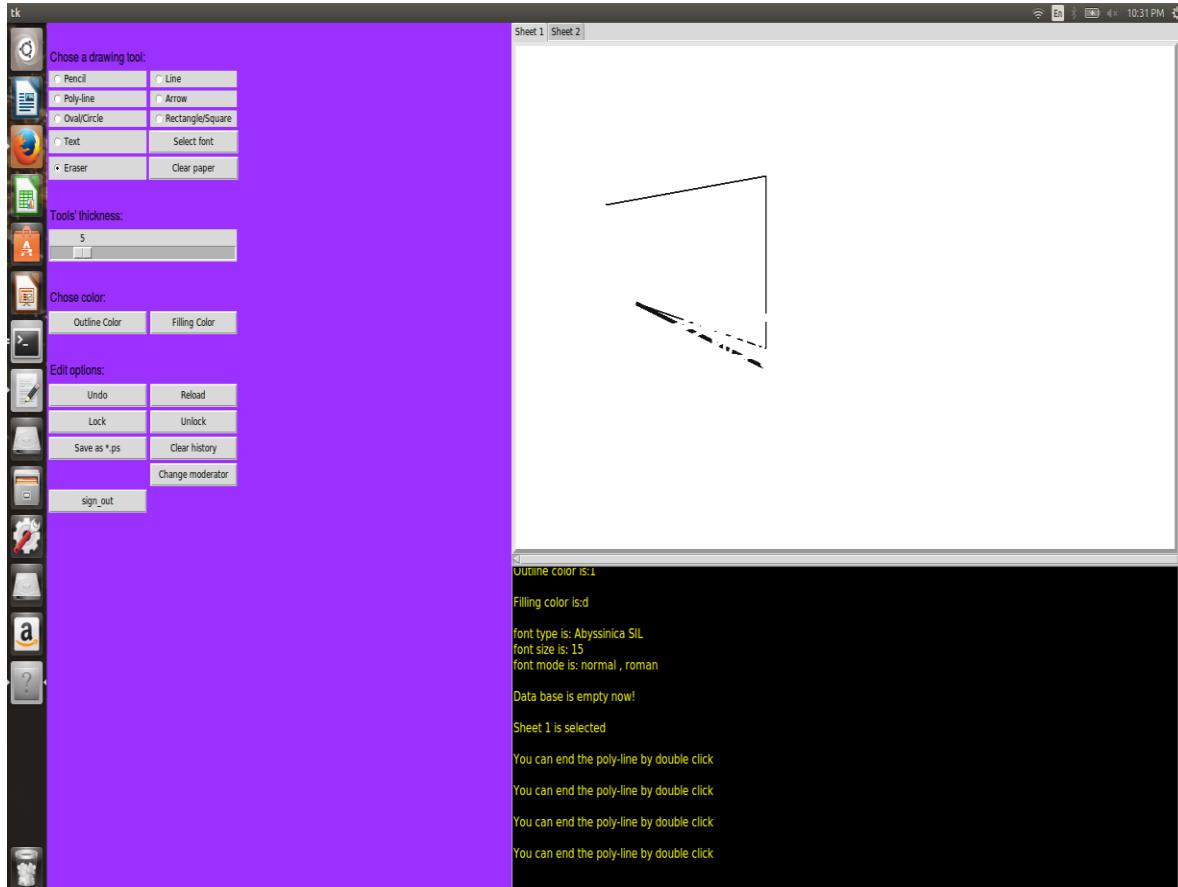


FIG 12: ERASER

3.1.13 Test: Square/ Rectangle

Purpose: Considering the test for Square or Rectangle, that is the tool ‘Rectangle or square’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘Rectangle’ in the tool tab then draw using tool.

Expected result: After operations carried out rectangle should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

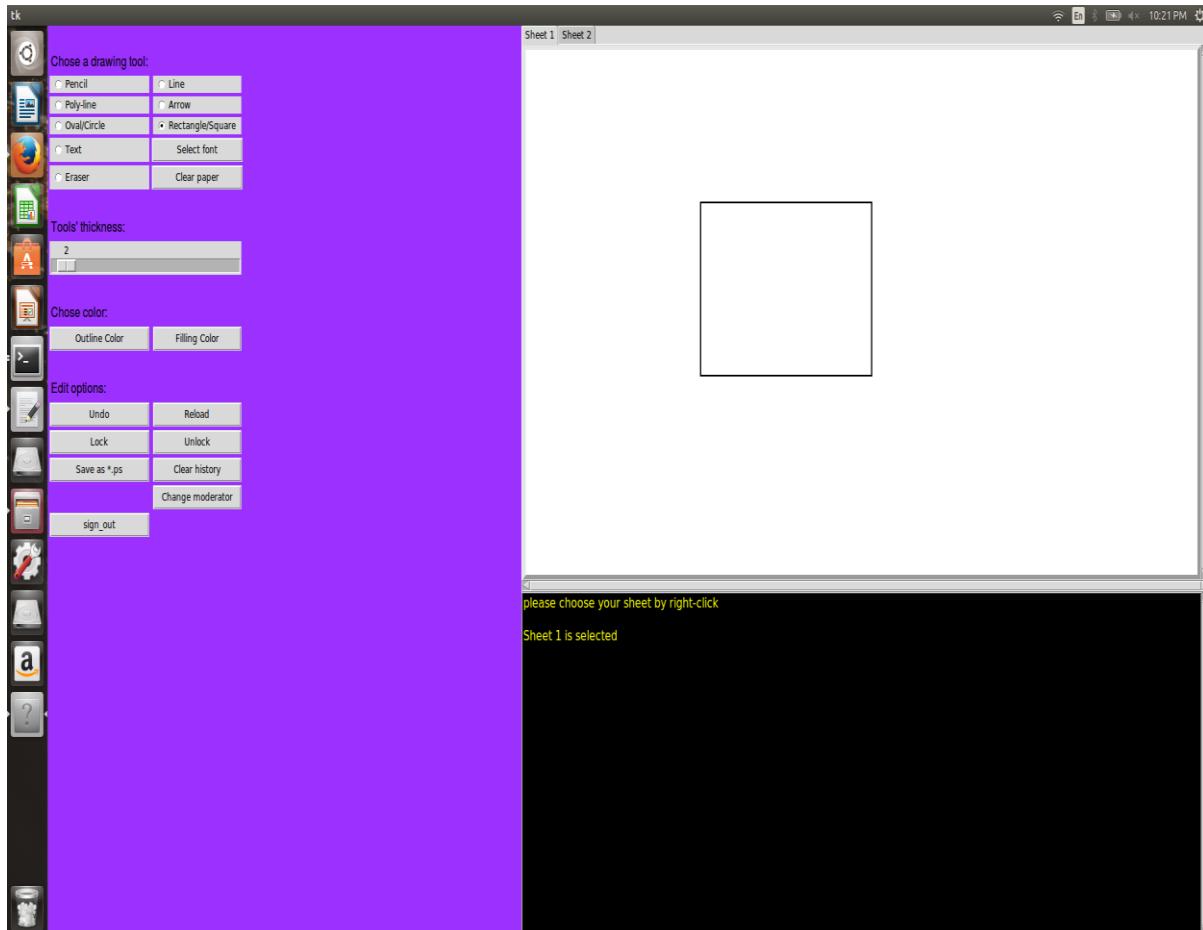


FIG 13: SQUARE/RECTAN

3.1.14 Test: Drawing colour

Purpose: Considering the test for selecting colour, that is the tool ‘selecting colour’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘selecting colour’ in the tool tab then select the desired colour.

Expected result: After operations carried out desired colour should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

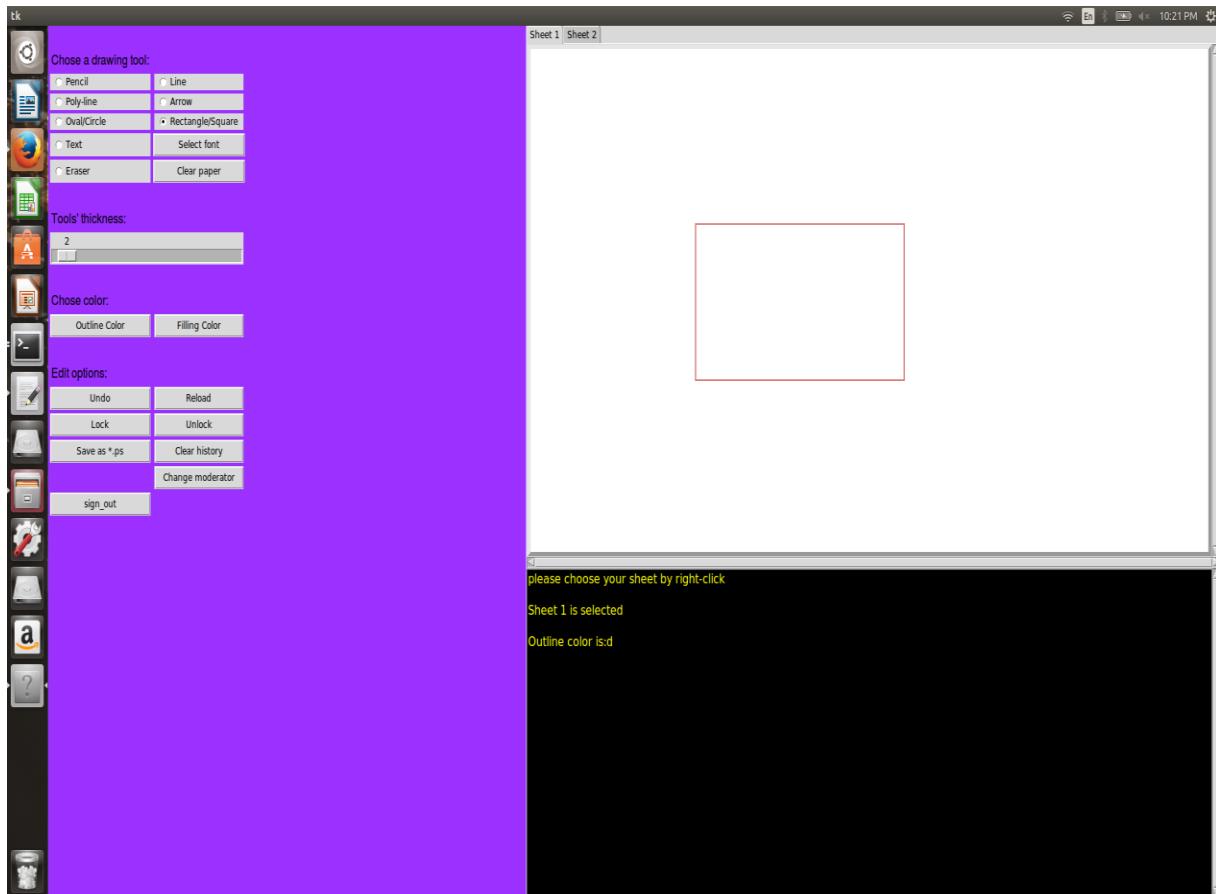


FIG 14: DRAWCOLOR

3.1.15 Test: Select filling color

Purpose: Considering the test for selecting colour, that is the tool ‘selecting colour’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘selecting colour’ in the tool tab then select the desired colour.

Expected result: After operations carried out desired colour should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

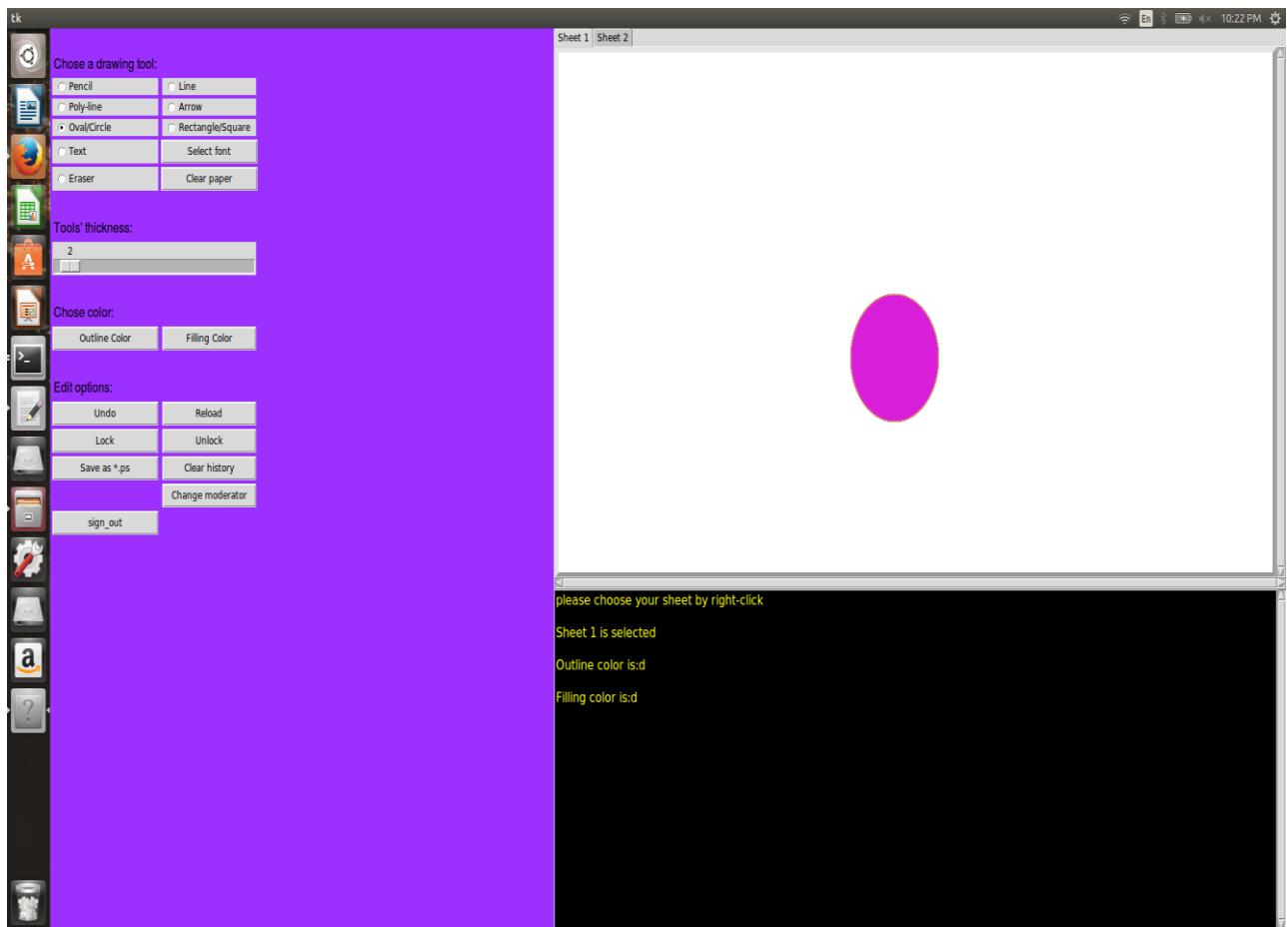


FIG 15: FILLING COLOR

3.1.16 Test: Clearing history

Purpose: Considering the test for clearing history, that is the tool ‘clearing history’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘clear history’ in the tool tab then clear using tool.

Expected result: After operations carried out picture of clearing history should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

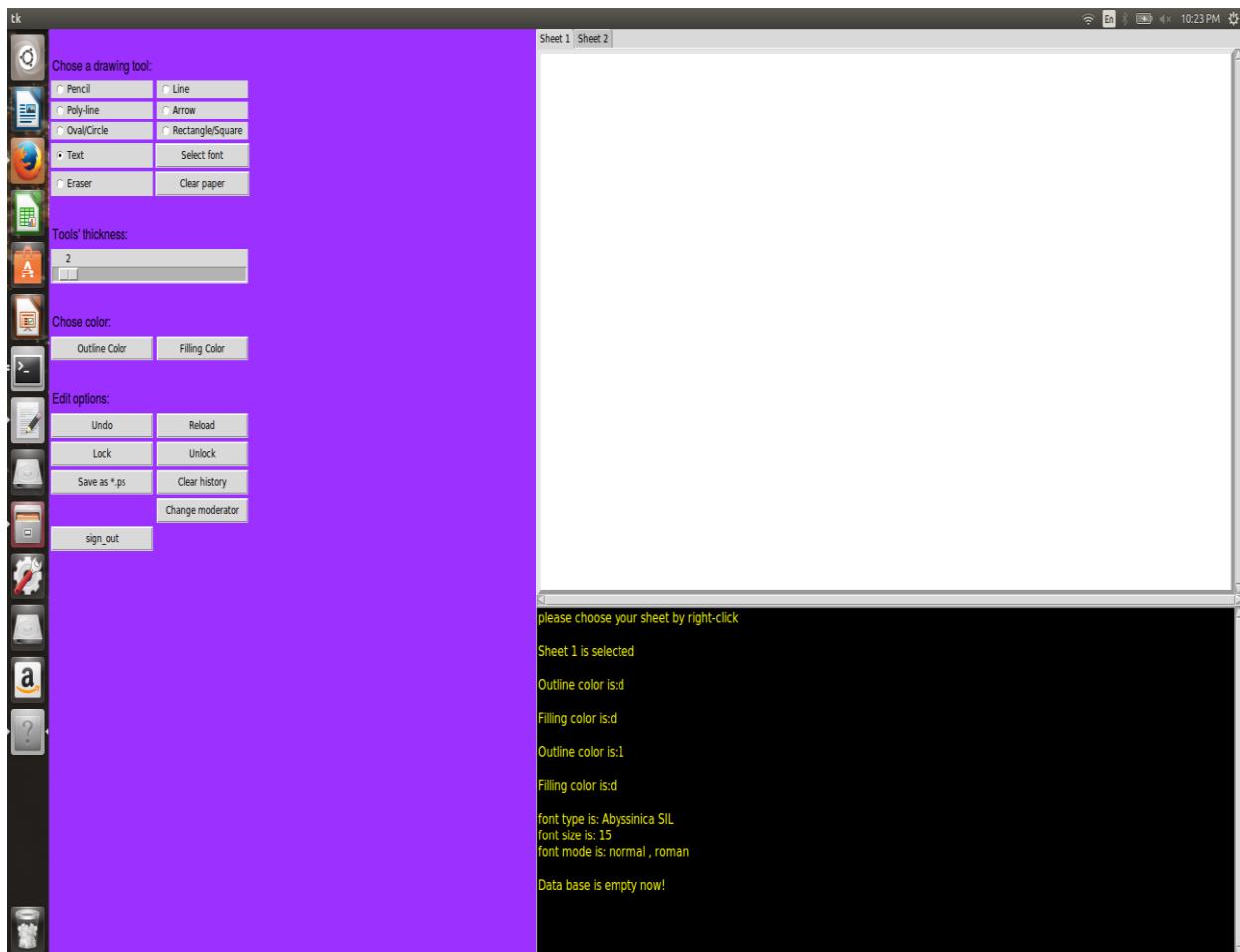


FIG 16: CLEARING DATABASE

3.1.17 Test: Sheet management

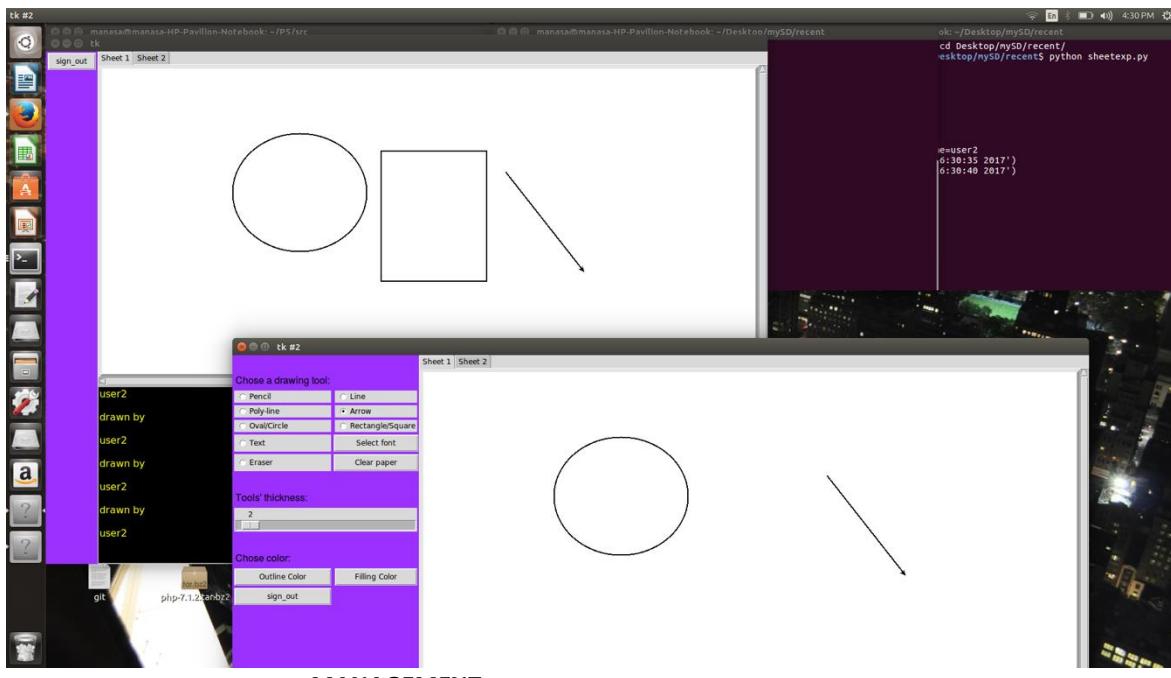
Purpose: Considering the test for Sheet Management, that is the tool ‘Sheet Manager’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘sheet management’ in the tool tab then manage sheets using tool.

Expected result: After operations carried out picture of sheet management should be obtained on the sheet.

Result: Success, as shown in the screenshot below.



MANAGEMENT

**FIG
17: SHEET**

3.1.18 Test: Reload

Purpose: Considering the test for Reload, that is the tool 'Reload' functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool 'Reload' in the tool tab then reload using tool.

Expected result: After operations carried out picture of reload should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

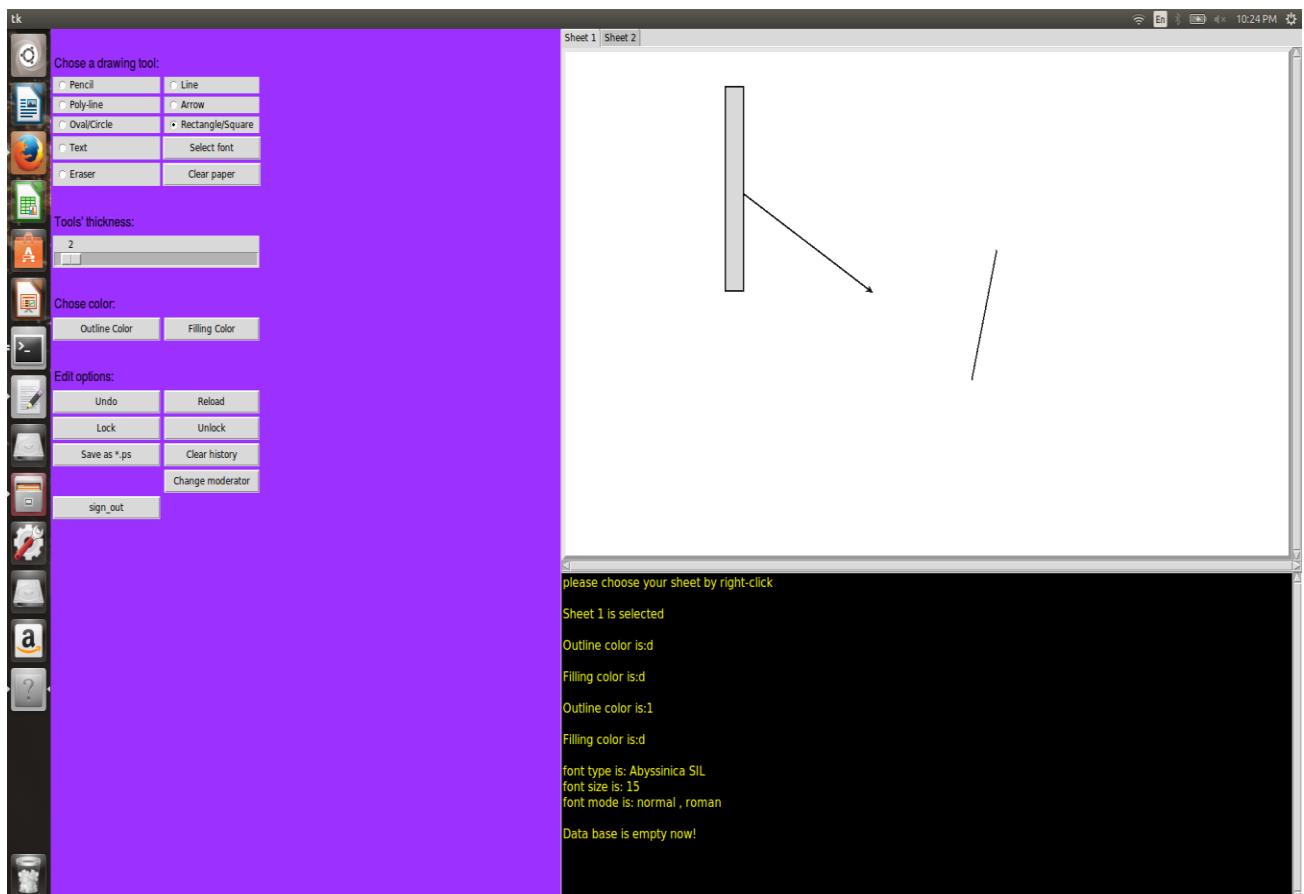


FIG 18: RELOAD

3.1.19 Test: Font Selection

Purpose: Considering the test for font selection, that is the tool ‘Font Selection’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘font selection’ in the tool tab then select font using tool.

Expected result: After operations carried out picture of font selection should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

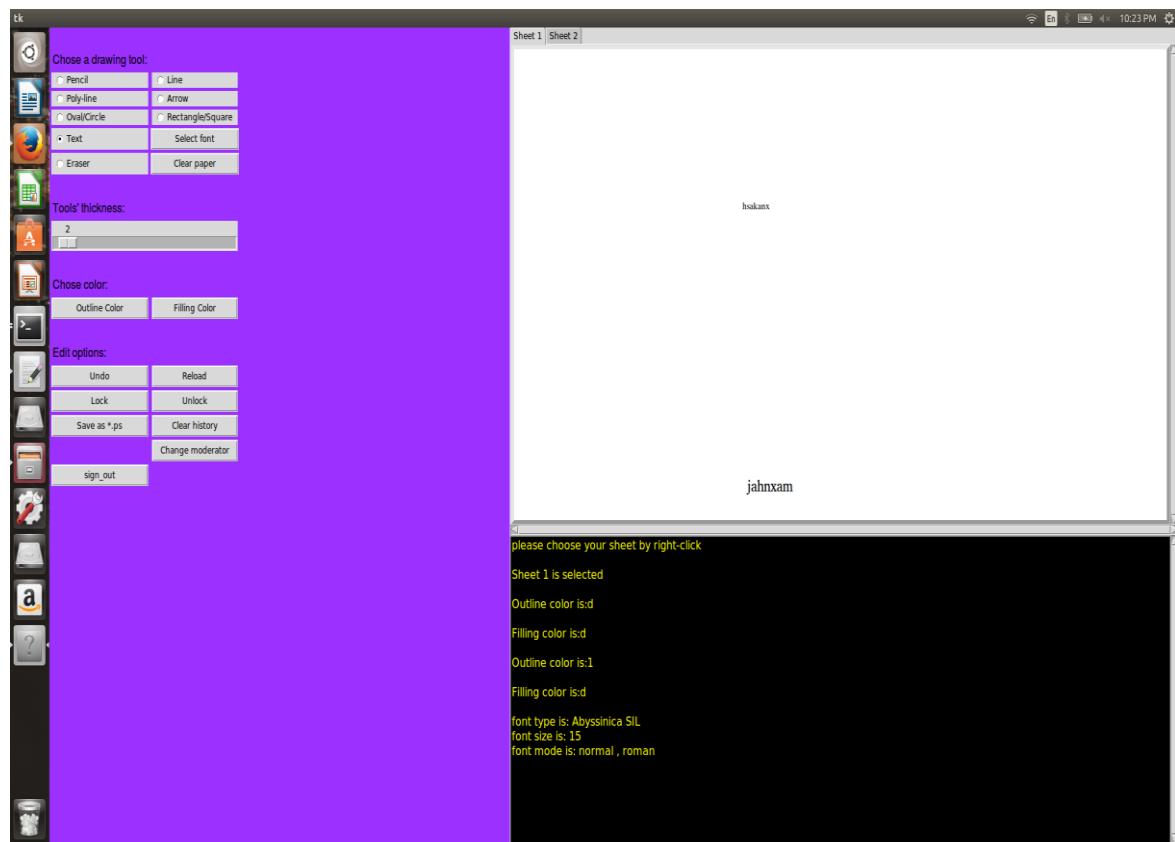


FIG 19: FONT SELECTION

3.1.20 Test: Rest-API

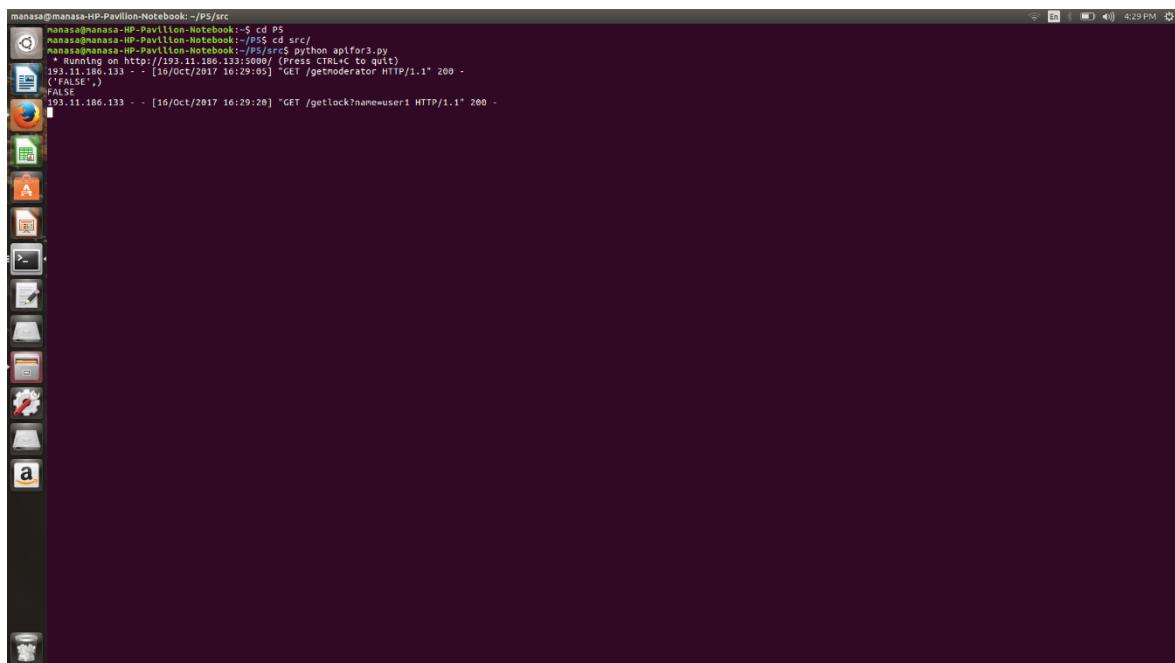
Purpose: Considering the test for Res-API, that is the tool ‘Rest-API’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘Rest-API’ in the tool tab then use the tool.

Expected result: After operations carried out picture of Rest-API should be obtained on the sheet.

Result: Success, as shown in the screenshot below.



```
manasa@manasa-HP-Pavilion-Notebook:~/P5/src
manasa@manasa-HP-Pavilion-Notebook:~/P5$ cd ps
manasa@manasa-HP-Pavilion-Notebook:~/P5$ cd src/
manasa@manasa-HP-Pavilion-Notebook:~/P5/src$ ./apifor3.py & python apifor3.py
 * Starting httpd on port 1337...[OK]
 [16/Oct/2017:16:29:05] 193.11.186.133 - - [16/Oct/2017 16:29:05] "GET /getmoderator HTTP/1.1" 200 -
 ("FALSE")
[16/Oct/2017:16:29:28] 193.11.186.133 - - [16/Oct/2017 16:29:28] "GET /getlock?name=user1 HTTP/1.1" 200 -
```

FIG 20: Rest-API

3.1.21 Test: Lock and Unlock

Purpose: Considering the test for lock and unlock, that is the tool 'Lock and Unlock' functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool 'Lock and Unlock' in the tool tab then lock and unlock using tool.

Expected result: After operations carried out picture of lock and unlock should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

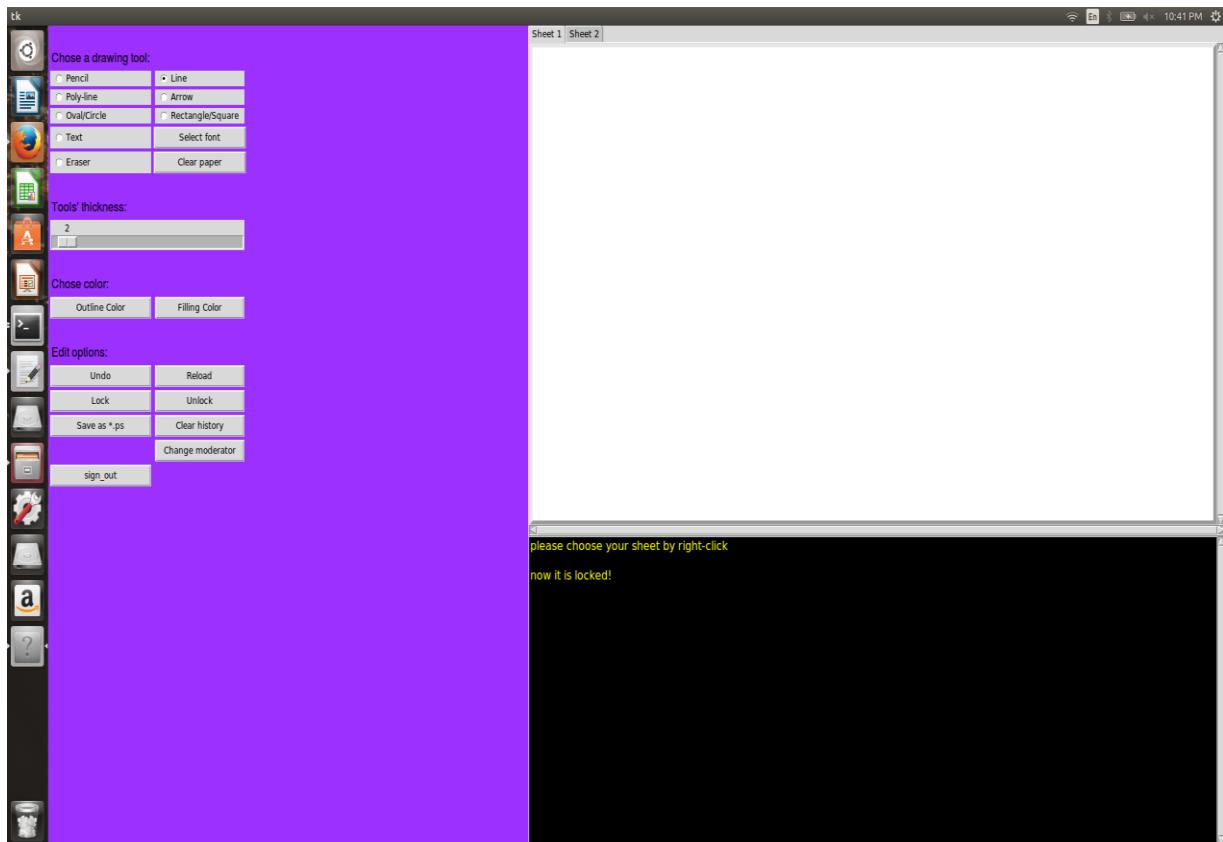


FIG 21: Lock and Unlock

3.1.22 Test: Playback

Purpose: Considering the test for Playback, All the modifications that is done on a sheet by the user is provided. Modifications done are provided with a time delay between each modification.

Environment: The environment used for this case is Python Tkinter which is a standard Graphical User Interface.

Operation: Open the application then select any tool in the tool tab to draw different shapes and then select playback .

Expected result: After a user selects a sheet and chooses a drawing tool to draw on a sheet using different tools in the tool bar each time to draw then when we click on playback all the modifications that is done previously is provided each modification is provided with a short time delay .

Result : Success, as shown in the screenshot below

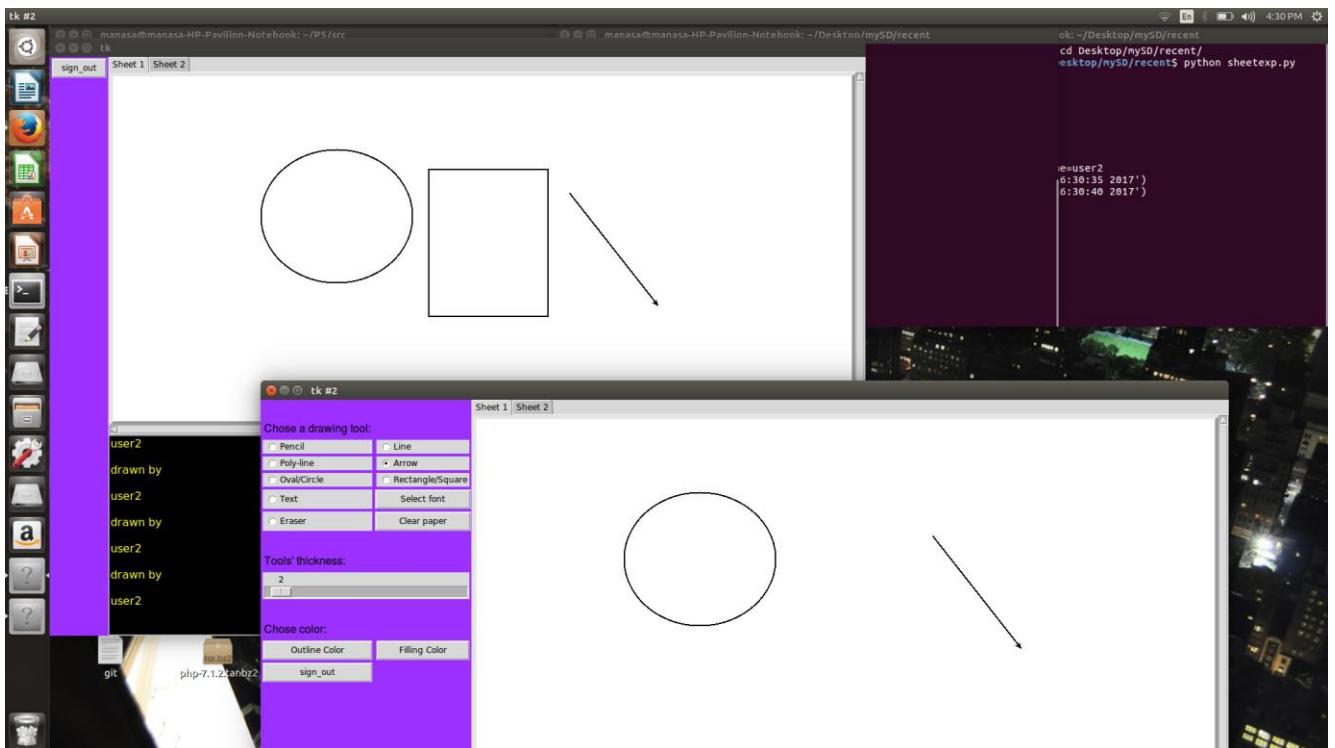


FIG 22: Playback

3.1.23 Test: Undo

Purpose: Considering the test for undo, that is the tool ‘Undo’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘undo’ in the tool tab then undo using tool.

Expected result: After operations carried out picture of undo should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

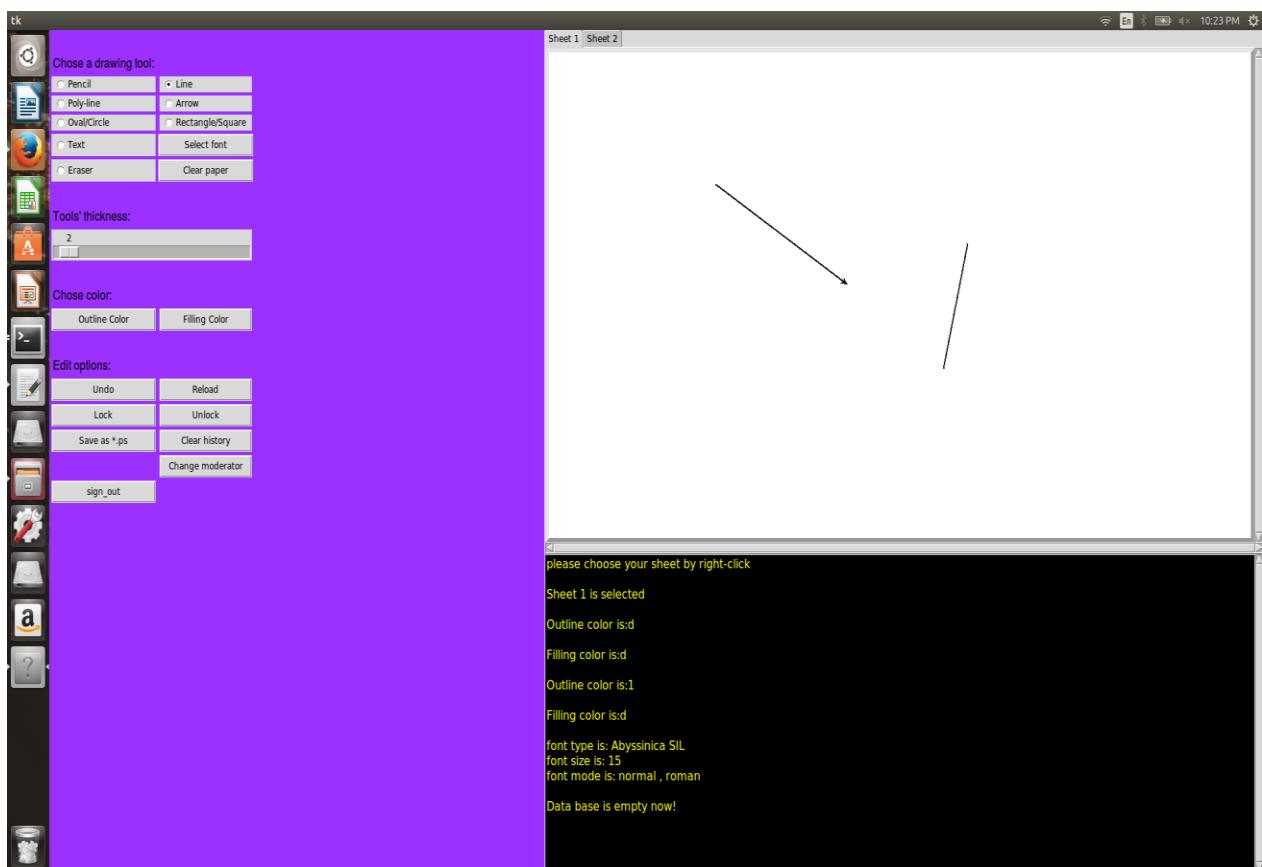


FIG 23: Undo

3.1.24 Test: Change Moderator

Purpose: Considering the test for change moderator, that is the tool 'Change moderator' functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool 'change moderator' in the tool tab then use the tool.

Expected result: After operations carried out picture of change moderator should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

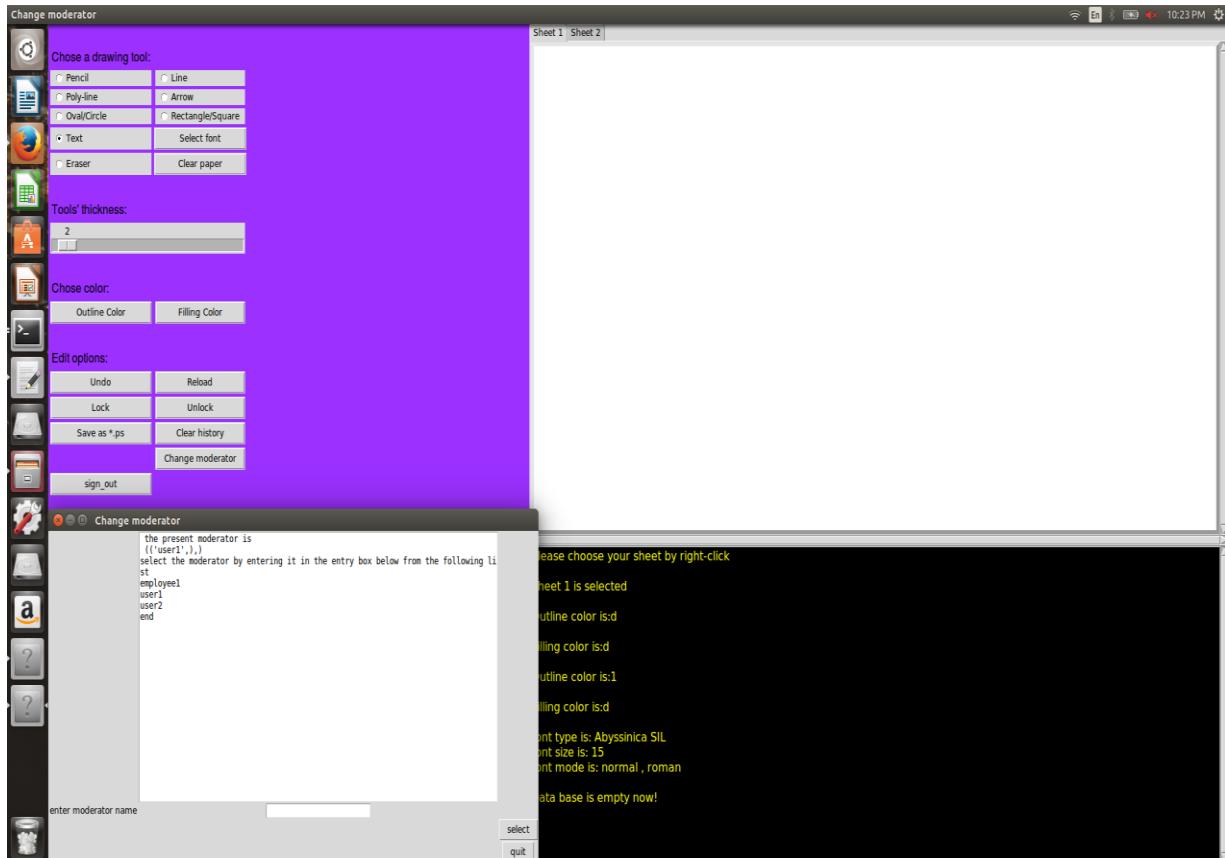


FIG 24: Change Moderator

3.1.25 Test: Saving Drawing Tools into Database

Purpose: Considering the test for saving drawing tools into database, that is the tool ‘saving drawing tools into database’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘saving drawing tools’ in the tool tab then save using tool.

Expected result: After operations carried out picture of saving drawing tools into database should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

```
manasa@manasa-HP-Pavilion-Notebook: ~
017 |
| 114 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 152 | 391 | 242 | 371 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 115 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 242 | 371 | 284 | 358 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 116 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 284 | 358 | 344 | 344 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 117 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 344 | 344 | 392 | 335 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 118 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 392 | 335 | 408 | 333 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 119 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 408 | 333 | 429 | 330 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 120 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 429 | 330 | 432 | 330 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 121 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 432 | 330 | 424 | 332 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 122 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 424 | 332 | 401 | 342 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 123 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 401 | 342 | 317 | 373 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 124 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 317 | 373 | 279 | 389 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 125 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 279 | 389 | 273 | 391 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 126 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 273 | 391 | 269 | 392 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 127 | user1 | user | sheet_1 | Eraser | 8 | #d9d9d9 | #131313 | 5 | 269 | 392 | 269 | 392 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:36 2
017 |
| 128 | user1 | user | sheet_1 | Polyline | 4 | #d9d9d9 | #131313 | 5 | 269 | 392 | 119 | 176 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:46 2
017 |
| 129 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 119 | 176 | 556 | 461 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:46 2
017 |
| 130 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 119 | 176 | 556 | 461 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:46 2
017 |
| 131 | user1 | user | sheet_1 | Polyline | 4 | #d9d9d9 | #131313 | 5 | 119 | 176 | 222 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:47 2
017 |
| 132 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 222 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:48 2
017 |
| 133 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 222 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:48 2
017 |
| 134 | user1 | user | sheet_1 | Polyline | 4 | #d9d9d9 | #131313 | 5 | 222 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:49 2
017 |
| 135 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 224 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:49 2
017 |
| 136 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 224 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:49 2
017 |
| 137 | user1 | user | sheet_1 | Polyline | 4 | #d9d9d9 | #131313 | 5 | 224 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:49 2
017 |
| 138 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 224 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:49 2
017 |
| 139 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 224 | 290 | 224 | 290 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:50 2
017 |
| 140 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 389 | 240 | 655 | 428 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:51 2
017 |
| 141 | user1 | user | sheet_1 | Oval / Circle | 4 | #d9d9d9 | #131313 | 5 | 389 | 240 | 655 | 428 | Abyssinica SIL | 15 | normal | roman | jahnxam | Sun Oct 15 22:31:51 2
017 |
+-----+
141 rows in set (0.00 sec)
mysql> 
```

FIG 25. Saving drawing tools into database

3.1.26 Test: Saving Login Details into Database

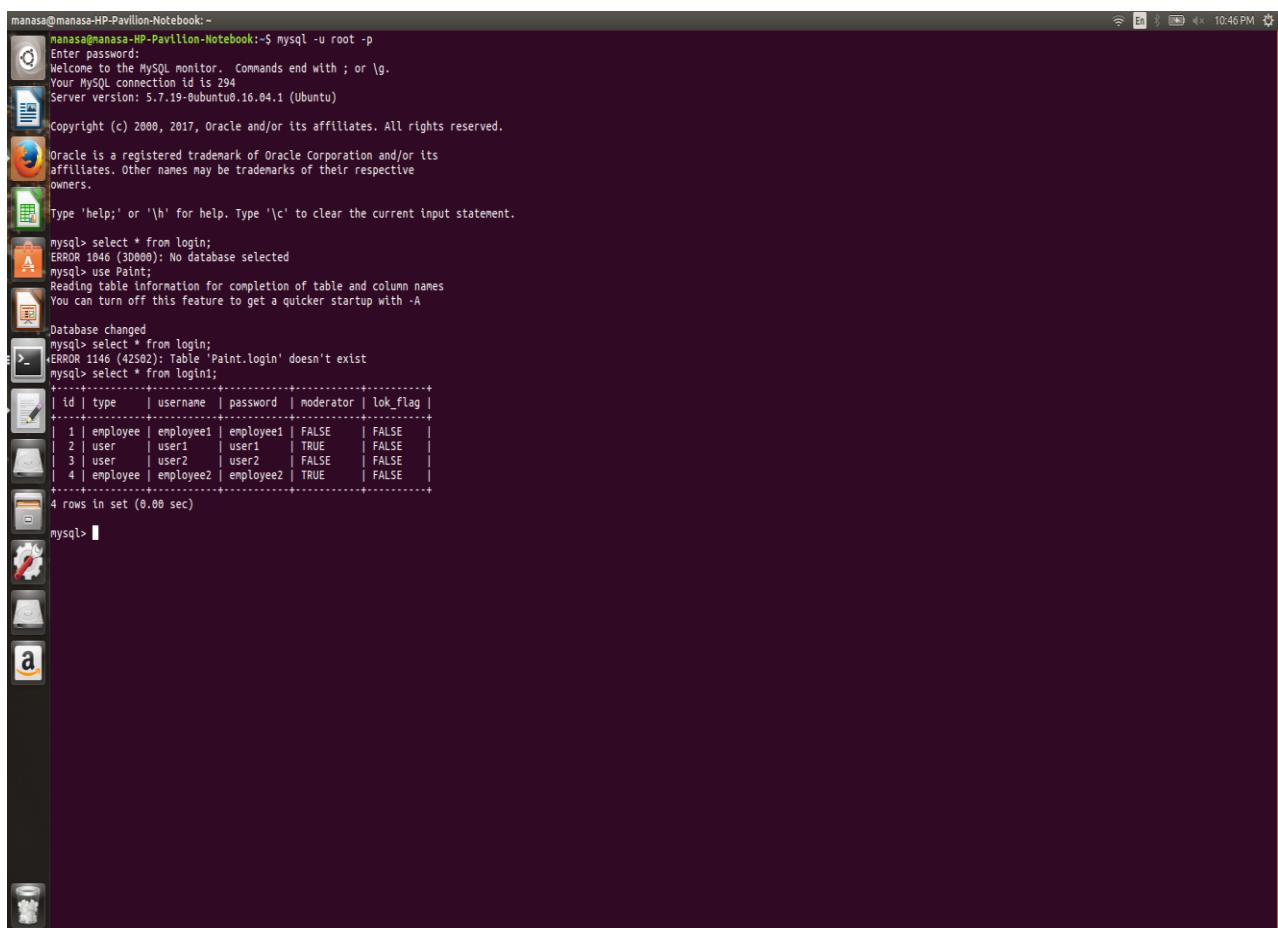
Purpose: Considering the test for saving login details into database, that is the tool 'Saving login details into database' functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool 'saving login details into database' in the tool tab then save using tool.

Expected result: After operations carried out picture of saving login details into database should be obtained on the sheet.

Result: Success, as shown in the screenshot below.



```
manasa@manasa-HP-Pavilion-Notebook:~ manasa@manasa-HP-Pavilion-Notebook:~$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 294
Server version: 5.7.19-0ubuntu0.16.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> select * from login;
ERROR 1046 (3D000): No database selected
mysql> use Paint;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed
mysql> select * from login;
ERROR 1146 (42S02): Table 'Paint.login' doesn't exist
mysql> select * from login;
+----+-----+-----+-----+-----+
| id | type | username | password | moderator | lok_flag |
+----+-----+-----+-----+-----+
| 1 | employee | employee1 | employee1 | FALSE | FALSE |
| 2 | user | user1 | user1 | TRUE | FALSE |
| 3 | user | user2 | user2 | FALSE | FALSE |
| 4 | employee | employee2 | employee2 | TRUE | FALSE |
+----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

FIG 26. Saving login details into database

3.1.27 Test: Email Notification

Purpose: Considering the test for Email notification, that is the tool ‘Email notification’ functions as per the requirement.

Environment: Application should be running.

Operation: Open the application then select the tool ‘email notification’ in the tool tab then send mail using tool.

Expected result: After operations carried out picture of email notification should be obtained on the sheet.

Result: Success, as shown in the screenshot below.

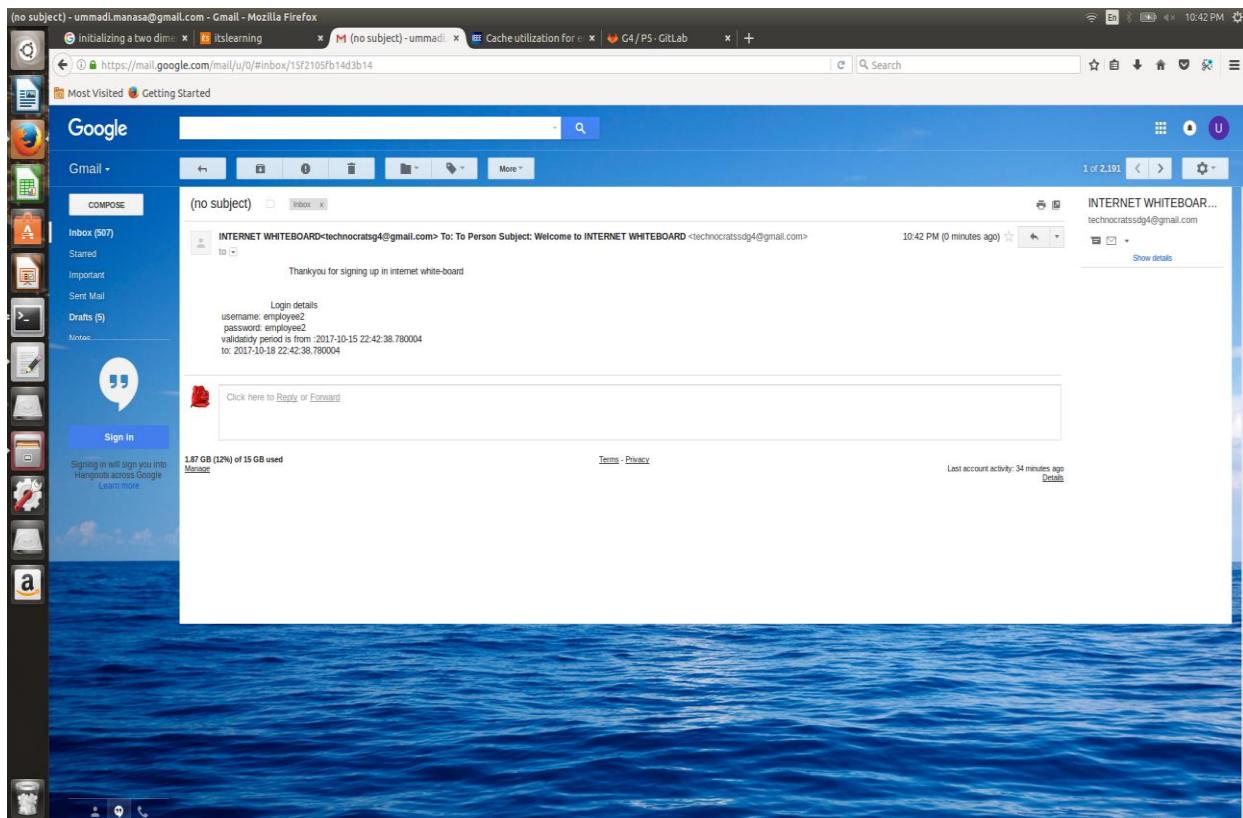


FIG 27. Email notification

4. REFERENCES

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