

E BOARD

USER DOCUMENTATION

Version – 2.0

Date– 2016/05/22

Team –ELECTRO BLITZ

PROJECT MEMBERS

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1. Preface

The main aim of the project is to develop a basic Internet Whiteboard, which facilitates communication between employees of the consultancy (ConTech) and its customers. It helps them to work together, despite being far away. This is revised version of the user documentation (version 2.0).

Remainder of the document describes about how different users such as admin, employee and customer use the E-Board.

1.1 LOG MODIFICATIONS:

Release version 2.0 on 2016/05/22

- Added moderator function (section 6)
- Added screenshots for sheet selection (section 16)
- Added reload function (section 19)
- Changed screenshots for each section.
- Added screenshots for Admin(section 4), Employee (section 5), Customer (section 7)

Release version 1.0 on 2016/05/15

- Initial release

2. Glossary and Abbreviations

API	Application Programming Interface
ConTech	Consulting firm (Customer)
DB	Database
GUI	Graphical User interface
Python	Programming language
PDF	Portable Document Format (File format)

3. Application usage

The user shall download and run the application eboard.exe.

Upon double clicking the eboard.exe file, the application will be opened.



Figure 3.1 Eboard home

4. ADMIN

Admin is the administrator of the application E-board. Admin's functions include configurable IP, creation of employee and customer accounts. The IP address of the admin server is configurable and it can be changed to the IP given by Admin. Admin can create employee and customer accounts. The credentials are sent to the Email ID given by the admin. The user ID and password of the admin by default are Admin and Admin. On clicking setup, required tables are created in DB.

Figure 4.1 Login Page



Figure 4.2 Admin Page

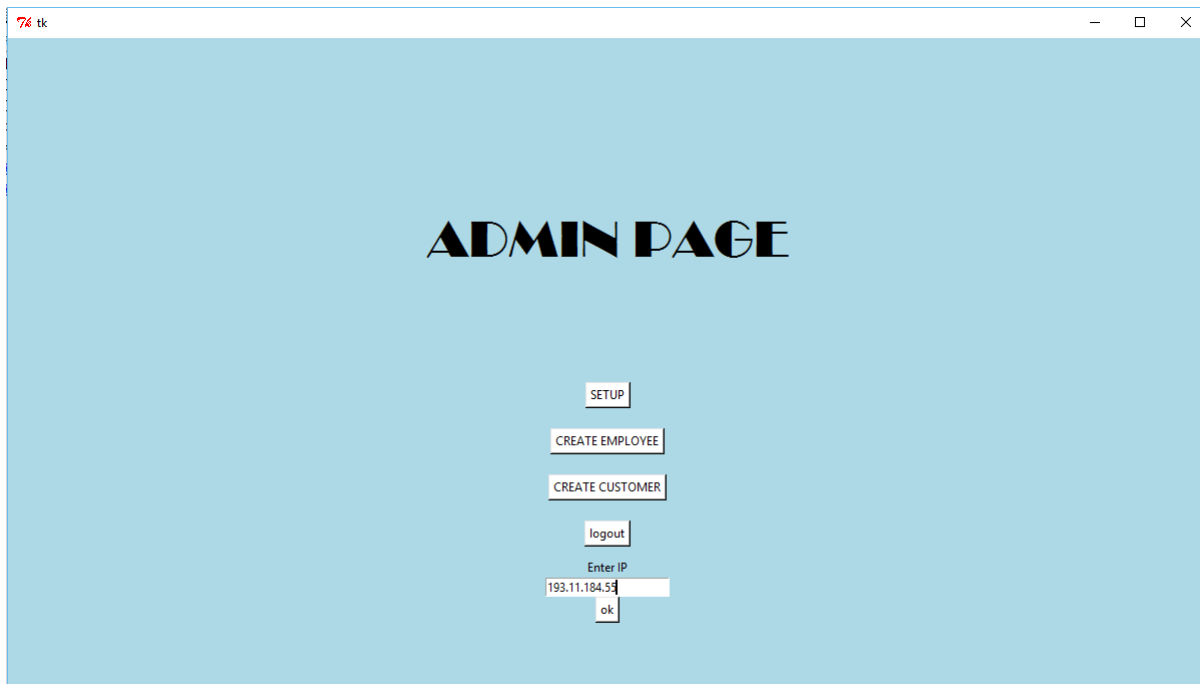


Figure 4.3 Change IP

5. EMPLOYEE

Admin has a privilege to create Employees. On clicking Create Employee button on Admin page, entry boxes for username and mail ID are shown and filled. Login credentials are sent to mentioned email. Employee logs in with obtained credentials. Options like starting a new session, creating customers are shown for employees upon login. On clicking start session, a new session will be started and clicking create customer will create a new customer with the credentials specified and mail will be sent to the customer.

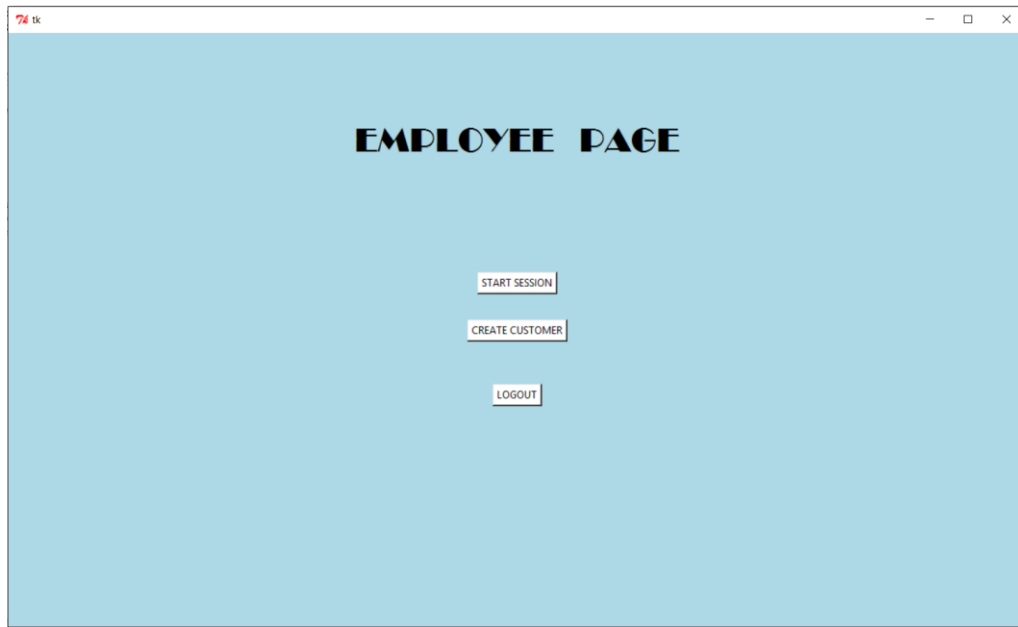


Figure 5.1 Employee Page

6. MODERATOR

The employee who starts the session is the moderator for the current session.

Moderator functions include Locking of sheets and Undoing modifications.

For locking the session, click on lock button which is available only for the moderator. The session running is locked and none of the users except the moderator are able to operate on the White Board.

Moderator can undo modifications done by users of the session. Upon clicking undo button which is visible only to the moderator, undo is selected and modifications are undone by clicking on the undo button in descending order of the events taking place.

Moderator has the option to assign his moderator role to any user participating in the session. Once the moderator is assigned to a different user, the additional options will disappear and will be assigned to the user selected by the moderator.

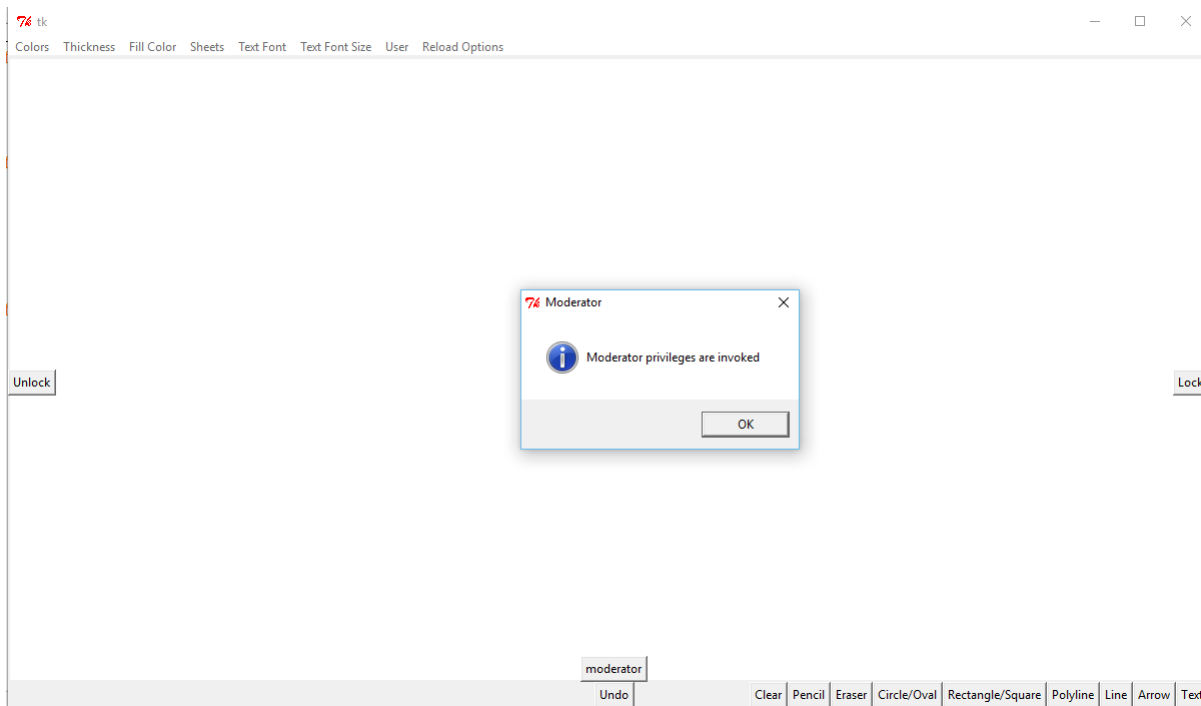


Figure 6.1 Moderator Page

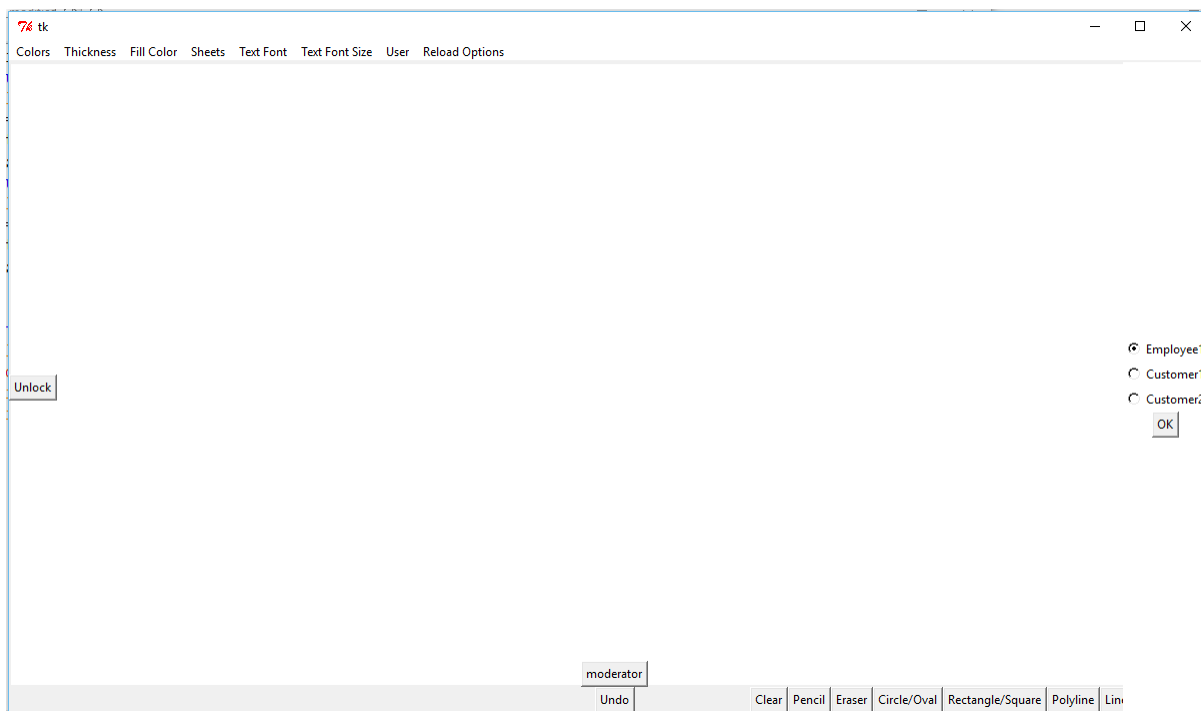


Figure 6.2 Moderator Reassign Page

7. CUSTOMER

Customers are created either by Admin or Employee. They log in using the credentials received through E-mail. They have direct access to the session, that is, upon logging customers see the whiteboard sheet. All

the basic drawing tools and their attributes are available to the customers. They can logout of the session using the logout option in the menu bar.

d.ibrahim12@yahoo.com
to me
Eboard login details
username = vignesh
password = vi39a

Fig 7.1 Login details via E-mail

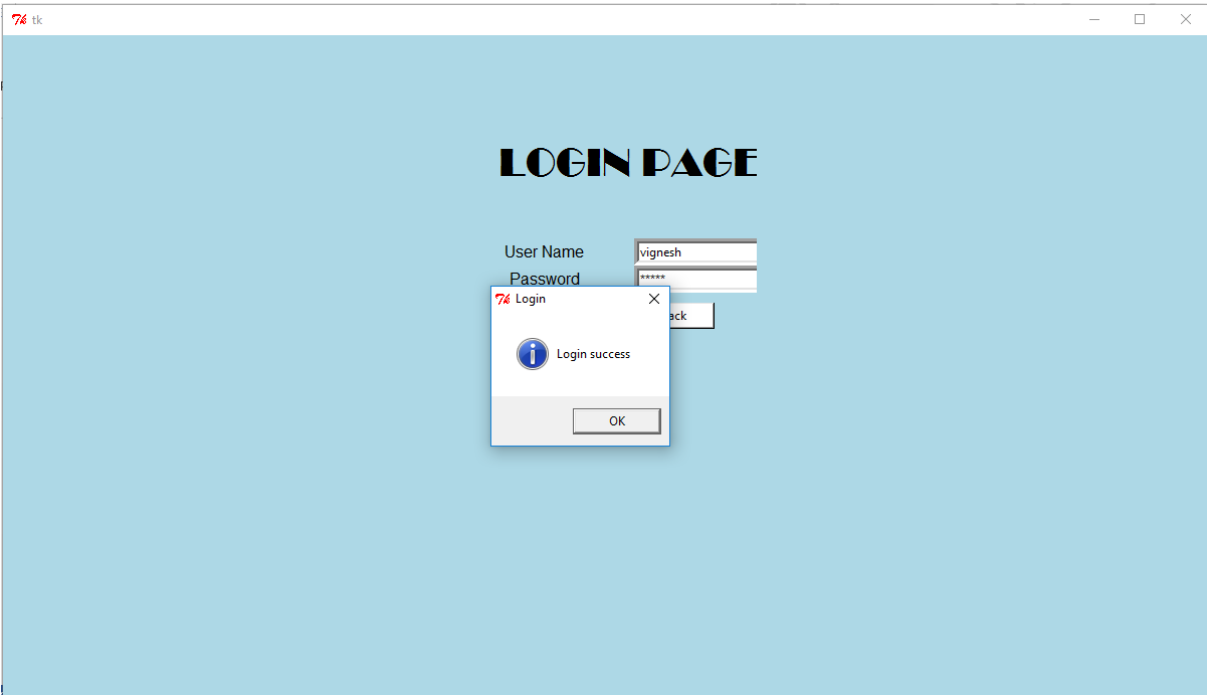


Fig 7.2 login success dialog box

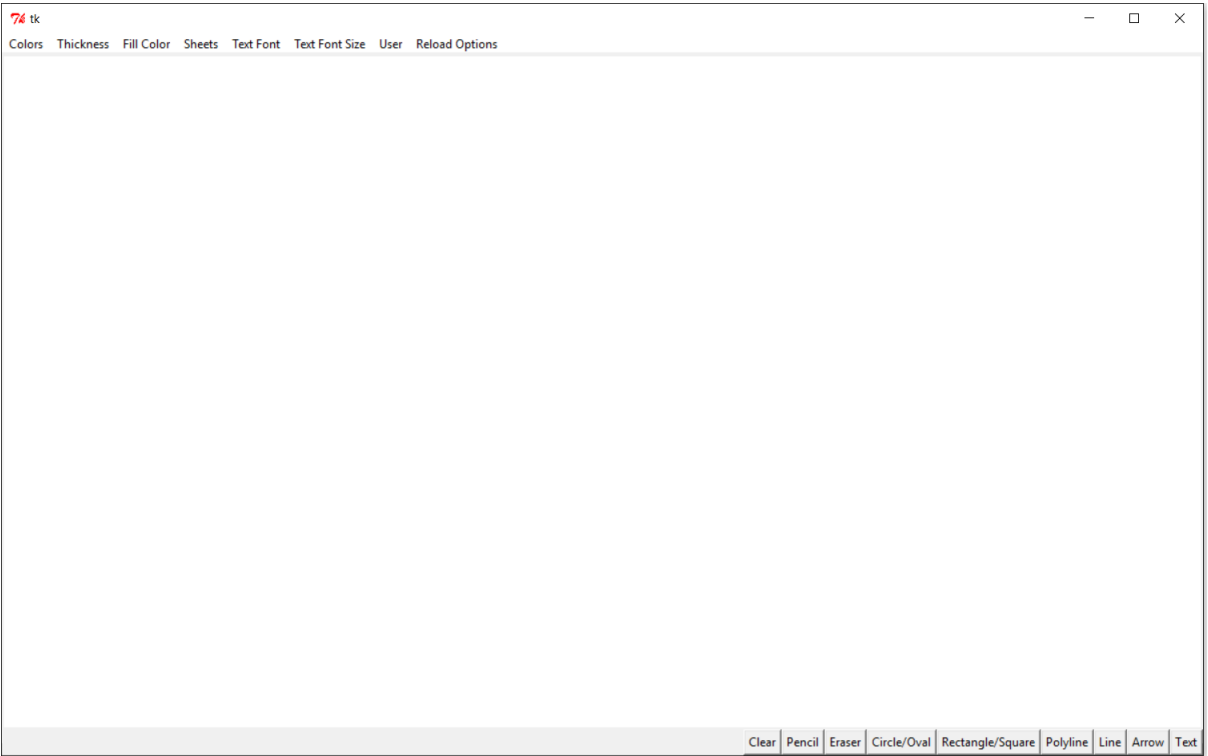


Fig 7.3 Basic White Board Sheet

8. PENCIL

Pencil button is used to draw on the white board as a free drawing tool by dragging the mouse. Pencil can be used in different colors and thicknesses.

Default color and thickness are black and thickness-1



Fig 8.1 Functionality of Pencil Tool

9. ERASER

Eraser button is used to erase the modifications the whiteboard by dragging the mouse. Thickness of the eraser can be selected from the options on the menu bar.

Default thickness is Thickness-1.

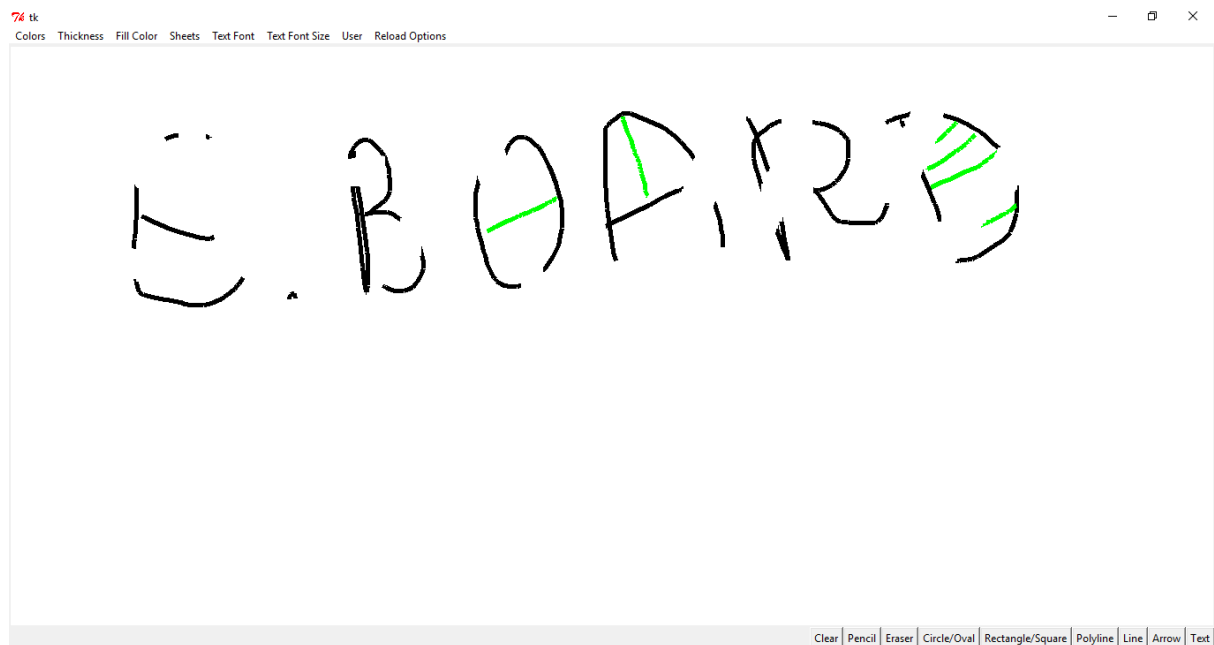


Fig 9.1 Functionality of Eraser

10. CIRCLE/OVAL

Circle/Oval button is used to draw circles/ovals on the whiteboard by dragging the mouse. Circle/Oval can be drawn in different thickness and different colors and also has an option to fill color inside the circle/oval. Color, thickness and fill color can be selected from the options on the menu bar.

Default outline color is black, fill color is white and thickness is thickness-1.

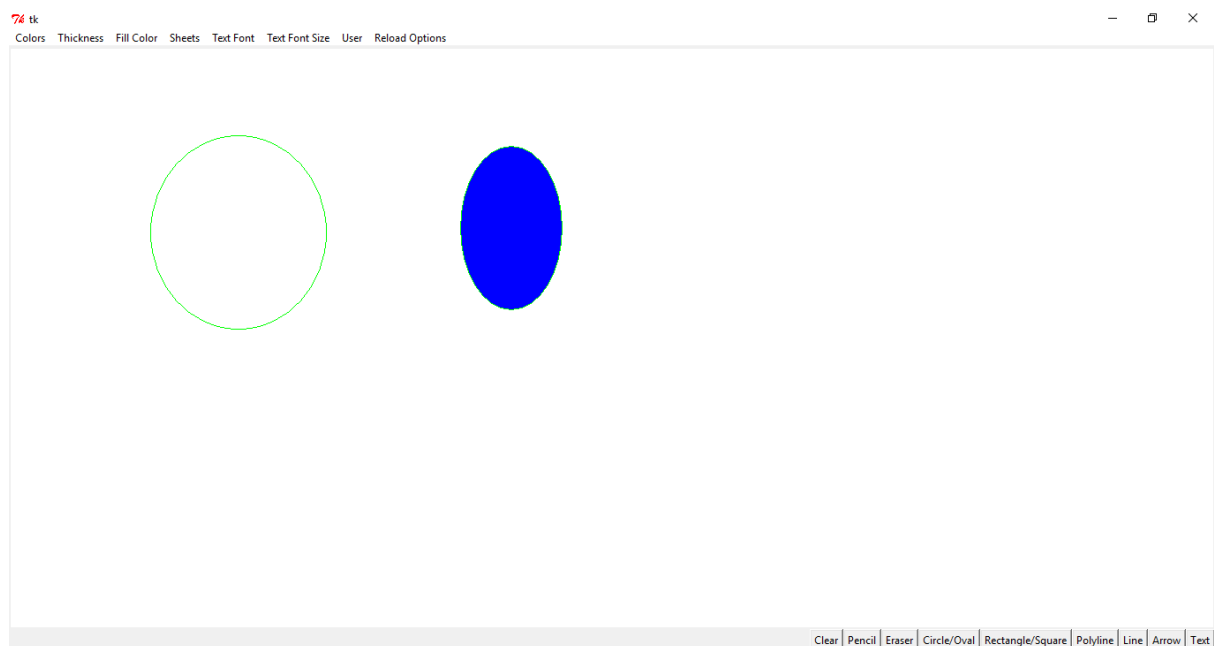


Fig 10.1 Functionality of Circle/Oval

11. RECTANGLE/SQUARE

Rectangle/Square button is used to draw rectangles/squares on the whiteboard by dragging the mouse. Rectangle/Square can be drawn in different thickness and different colors and also has an option to fill color inside the rectangle/square. Color, thickness and fill color can be selected from the options on the menu bar.

Default outline color is black, fill color is white and thickness is thickness-1.

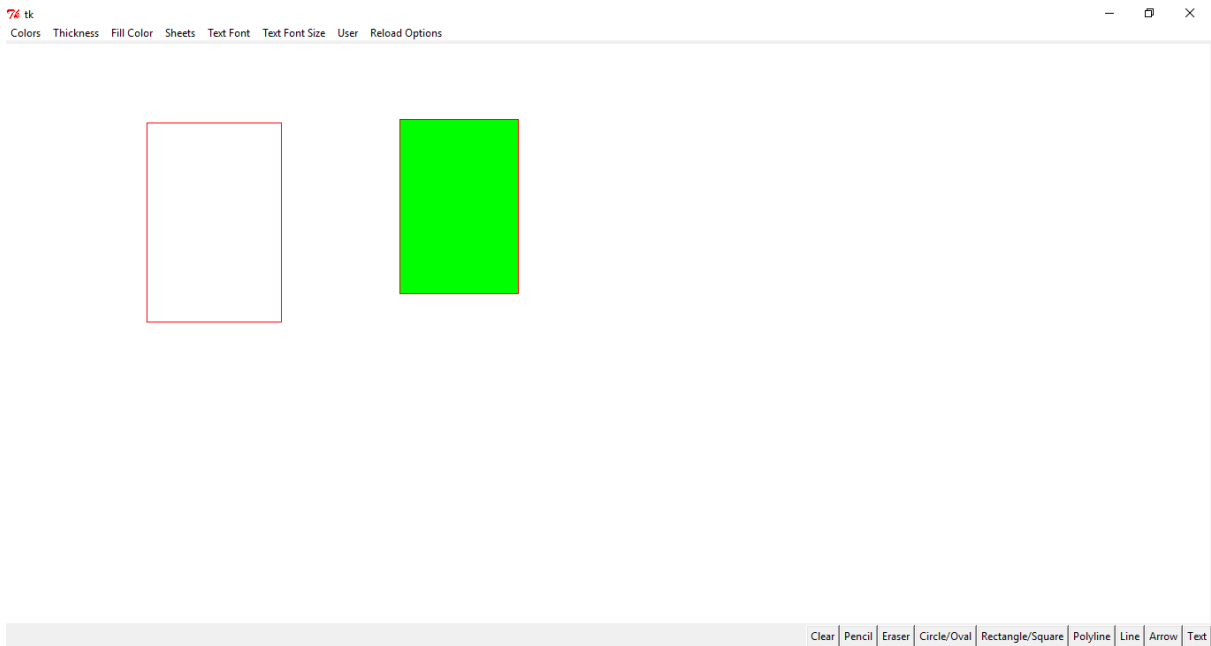


Fig 11.1 Functionality of Rectangle/Square

12. POLYLINE

Polyline button is used to draw many lines on the whiteboard in different colors and thicknesses by dragging the mouse. Color and thickness can be selected from the options on the menu bar.

Default Color is Black and Thickness is Thickness 1.

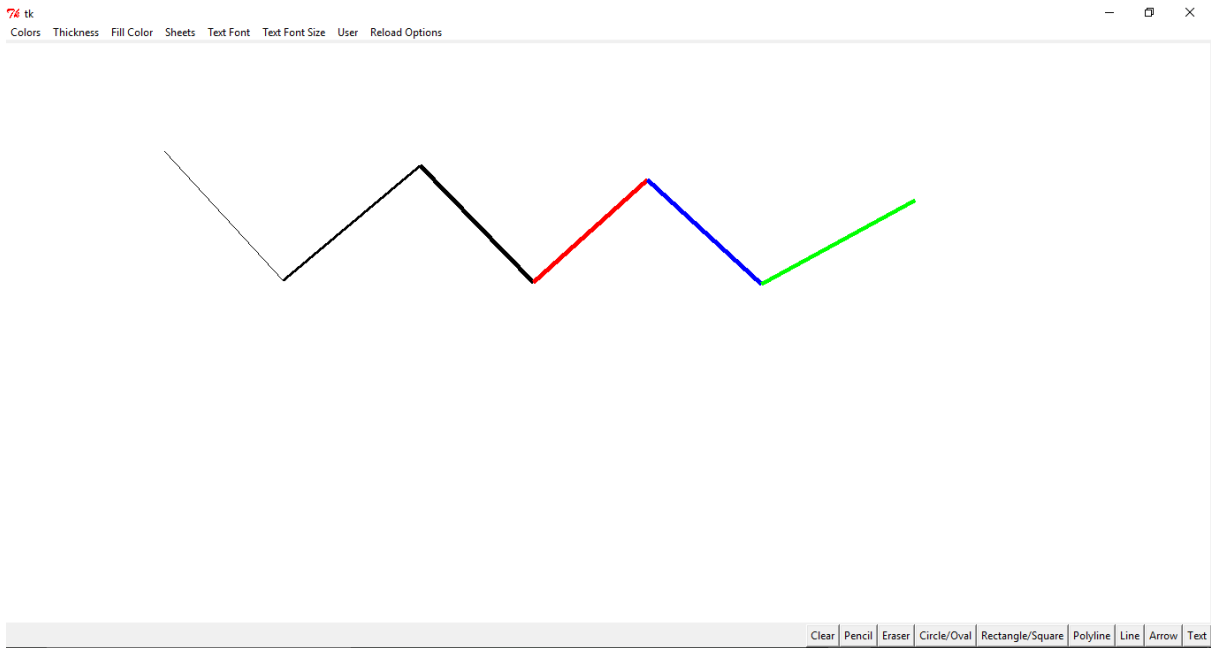


Fig 12.1 Functionality of Polyline

13. LINE

Line button is used to draw lines on the whiteboard by dragging mouse. Line can be drawn in different colors and thicknesses. Color and thickness can be selected from the options on the menu bar.

Default color is black and Thickness is Thickness-1.

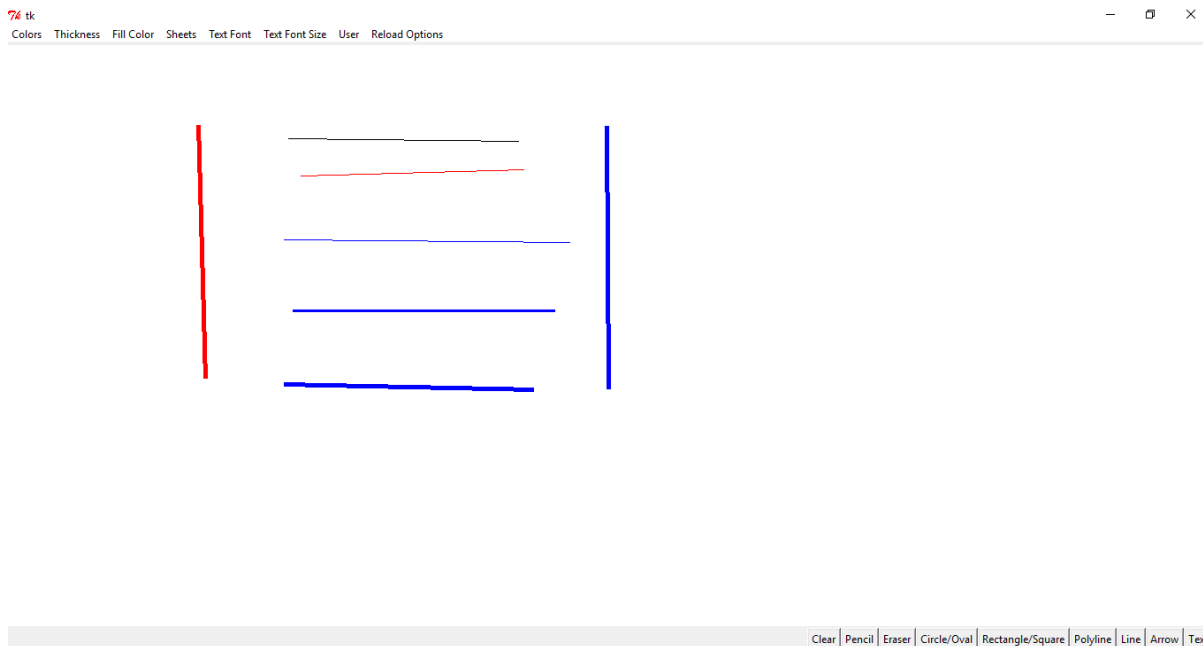


Fig 13.1 Functionality of Line

14. ARROW

Arrow tool is used to draw an arrow on the white board. An arrow can be drawn in different thicknesses and colors. Color and thickness can be selected from the options on the menu bar.

Default options for thickness and color are thickness-1 and black.

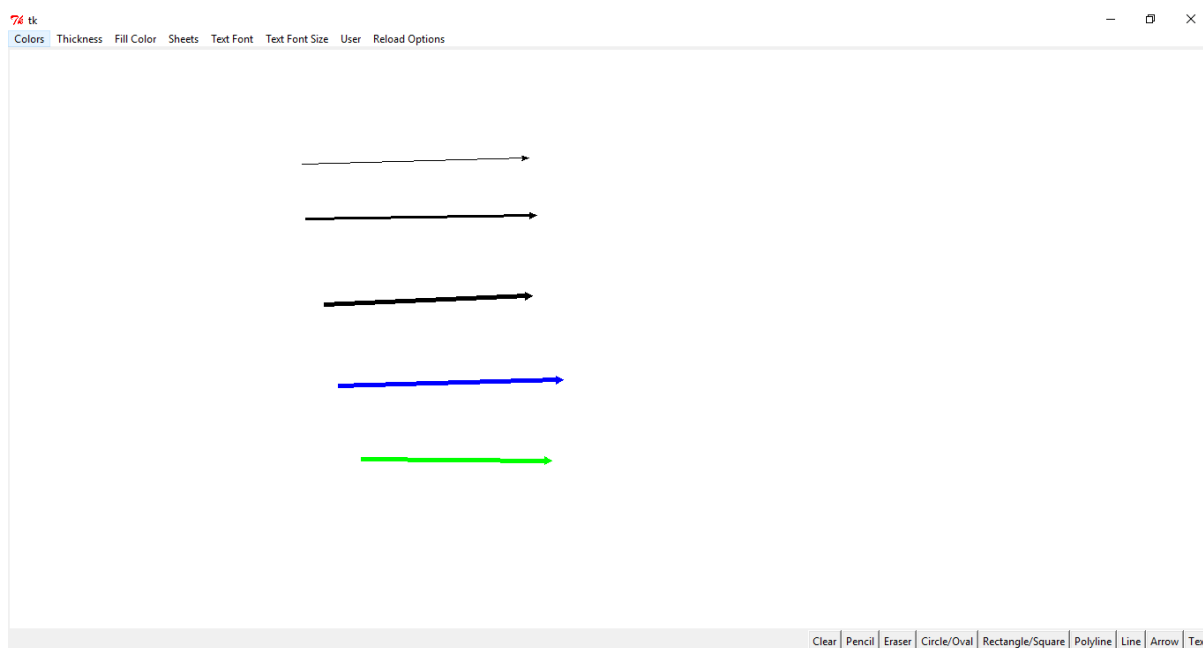


Fig 14.1 Functionality of Arrow

15. TEXT

Upon selecting text, a text box appears along with text options such as bold, normal, italic and roman. Text written in the text box will appear on the whiteboard at a location specified by mouse click.

Options available for the Text are Bold, Italic, normal text and Roman which appear below the text box. Text font and Size are available on the menu bar.

Text font can be chosen from five different fonts and Text size can be selected from five sizes. Bold and italics can be implemented by clicking on the radio buttons.

Default options for text are Text font-Helvetica and Text size-16.

Upon right clicking on the whiteboard the text box is closed.

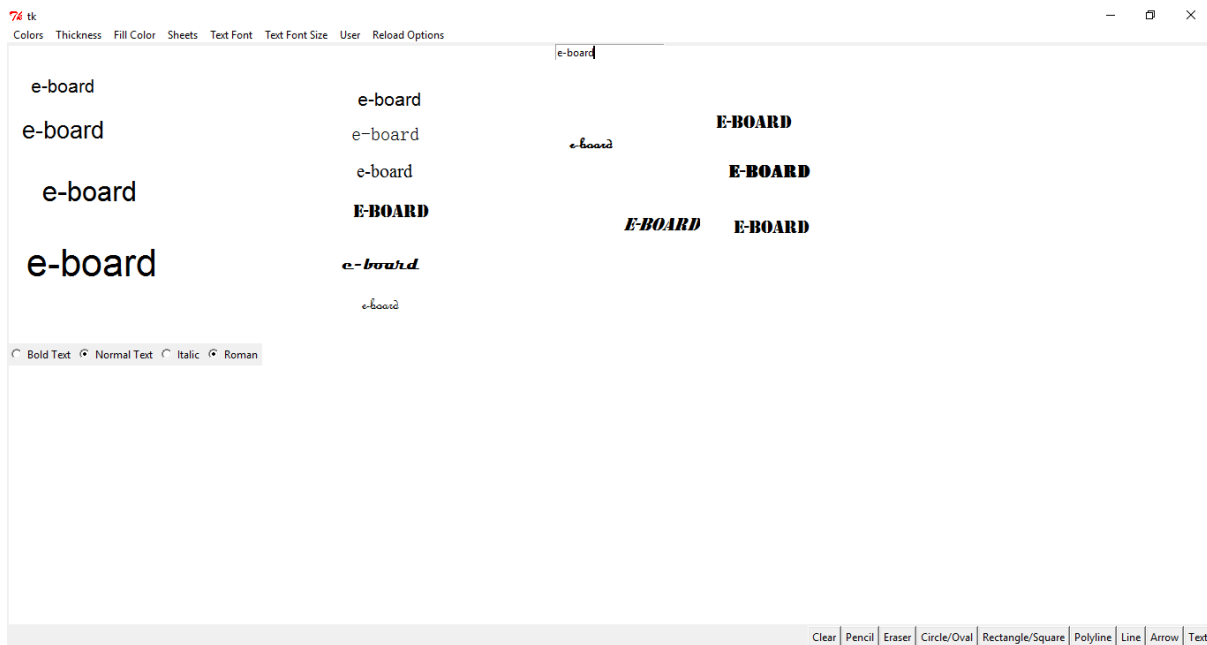


Fig 15.1 Functionality of Text

16. SHEETS

Upon clicking sheets option on the menu bar, the participant can change to any sheet.

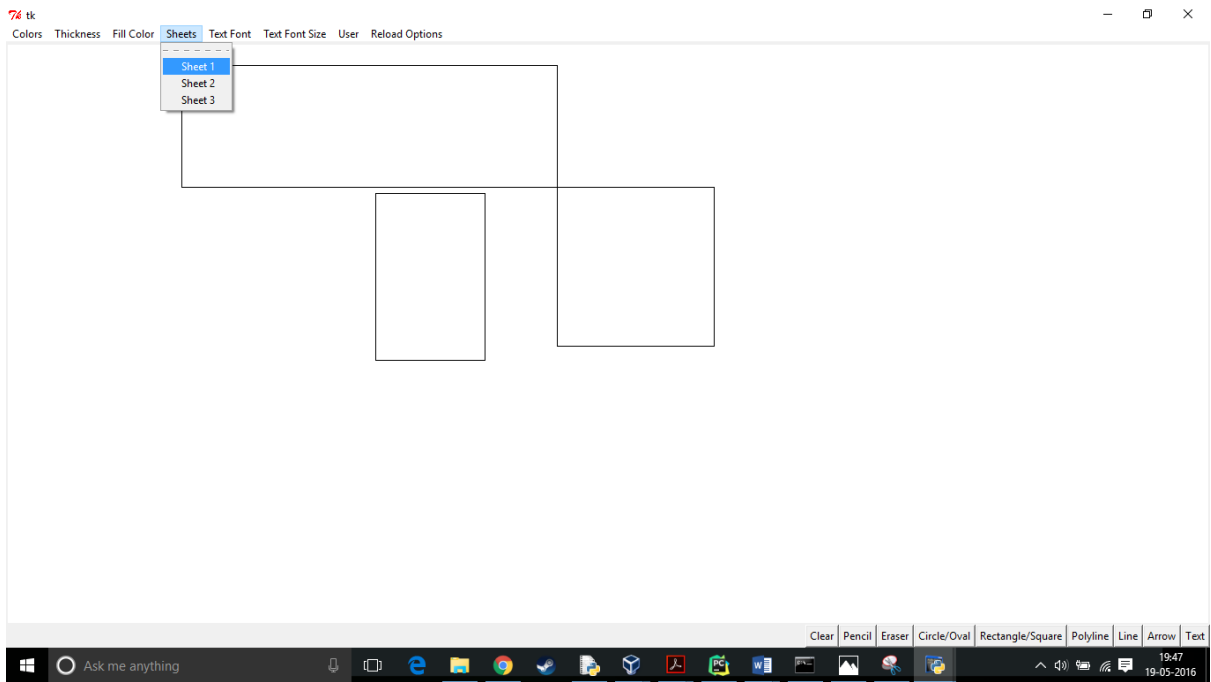


Fig 16.1 Sheets Selection

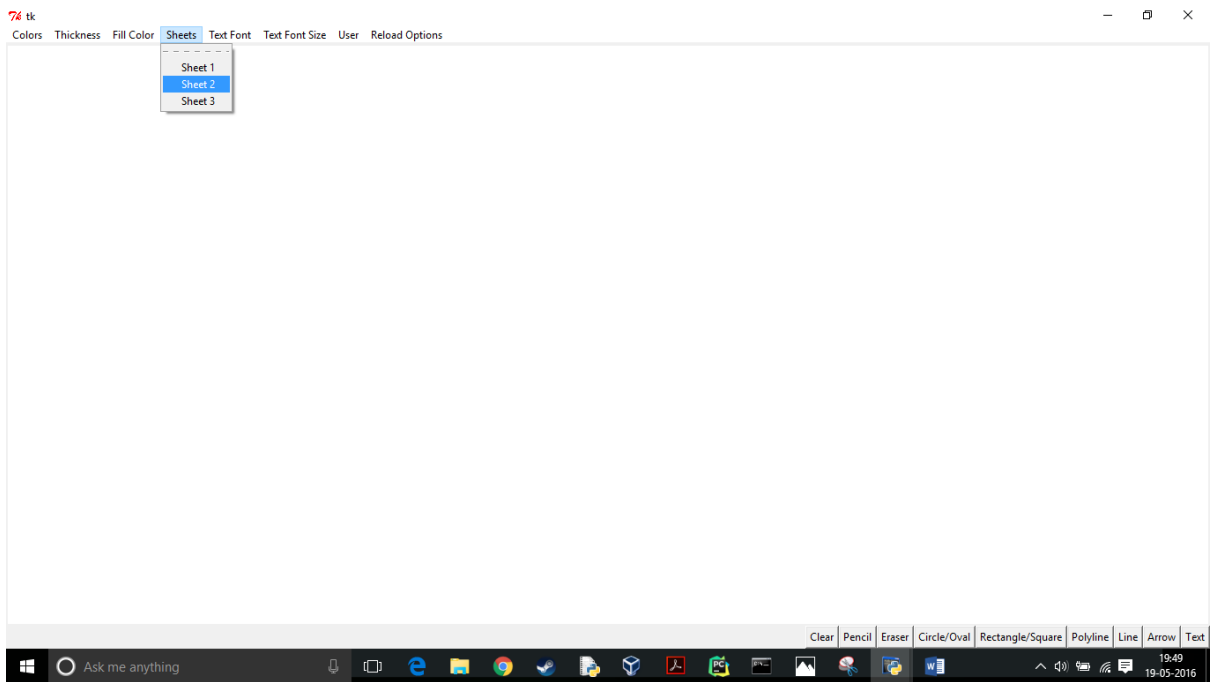


Fig 16.2 Sheets Selection

17. CLEAR

All the modifications on the whiteboard can be removed using clear button.

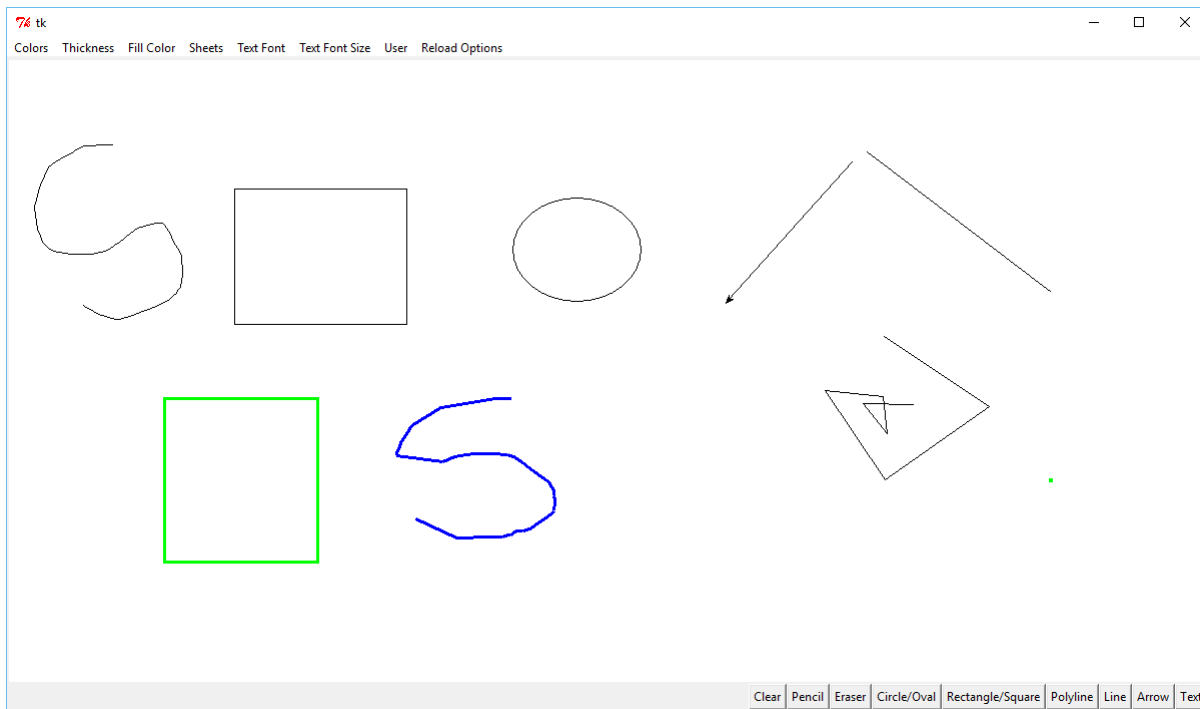


Fig 17.1 Random figures

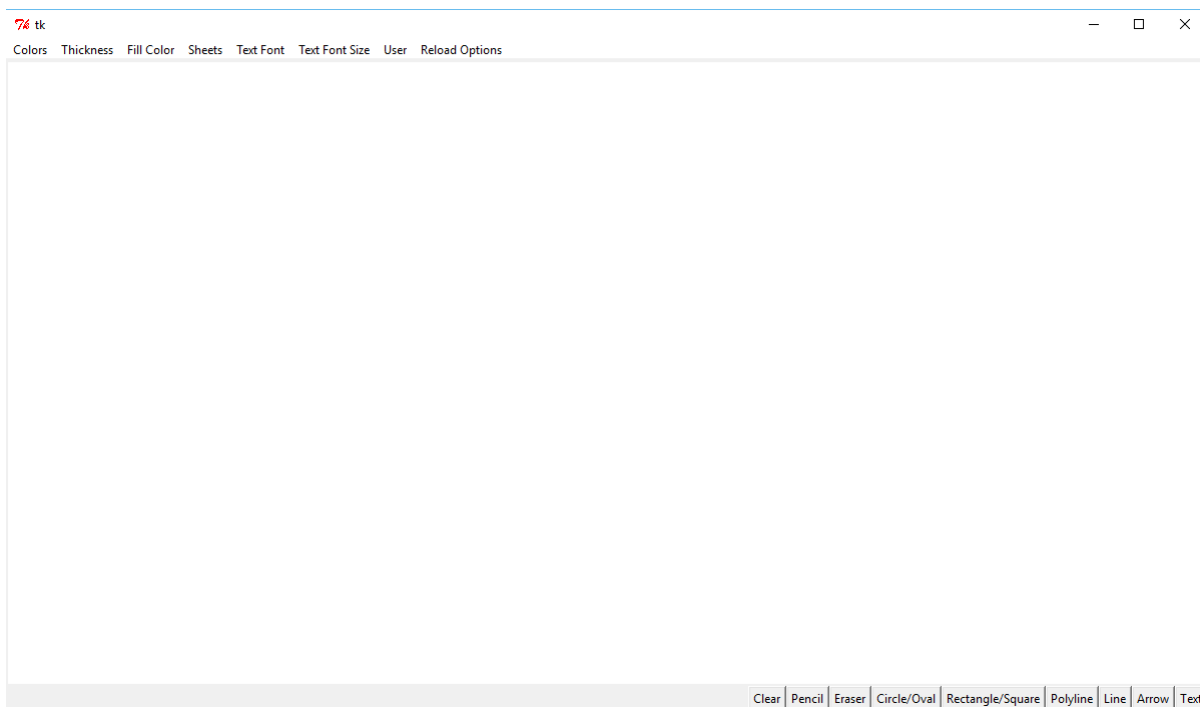


Fig 17.2 Functionality of clear button

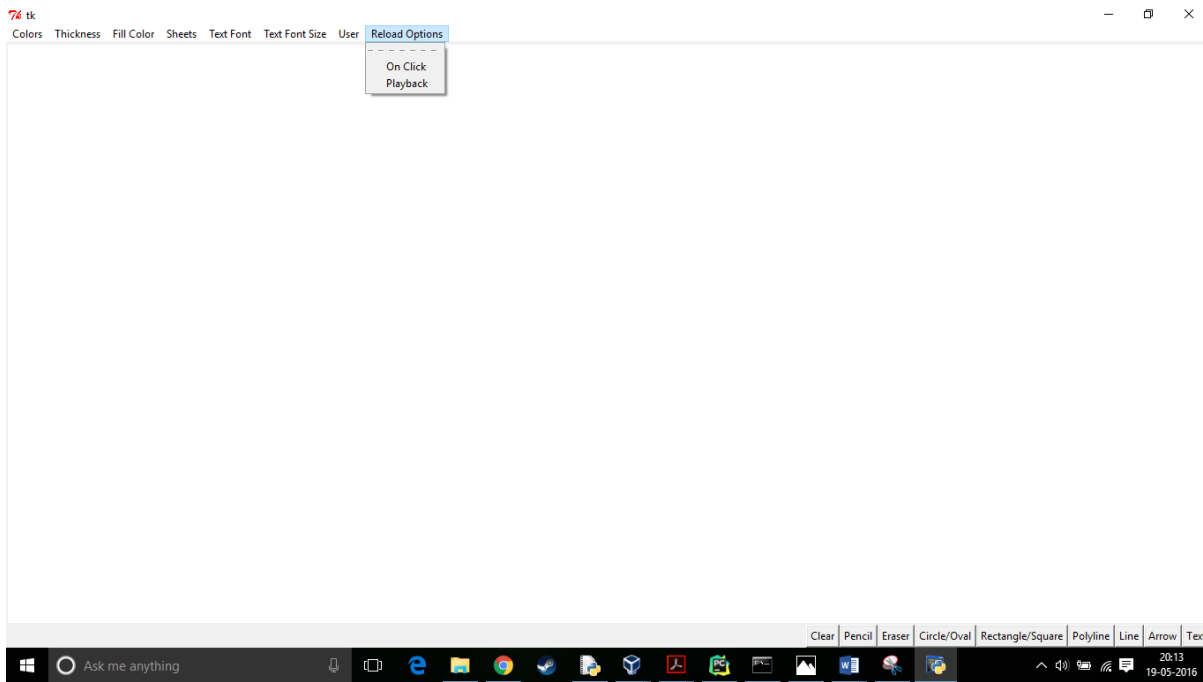
18. RELOAD

Reloading of the modifications on the whiteboard is available in two ways.

On clicking reload options on menu bar, two options will be shown.

One option for automatically reloading the events sequentially from the beginning.

Other option is to reload the event sequentially upon clicking on the whiteboard.



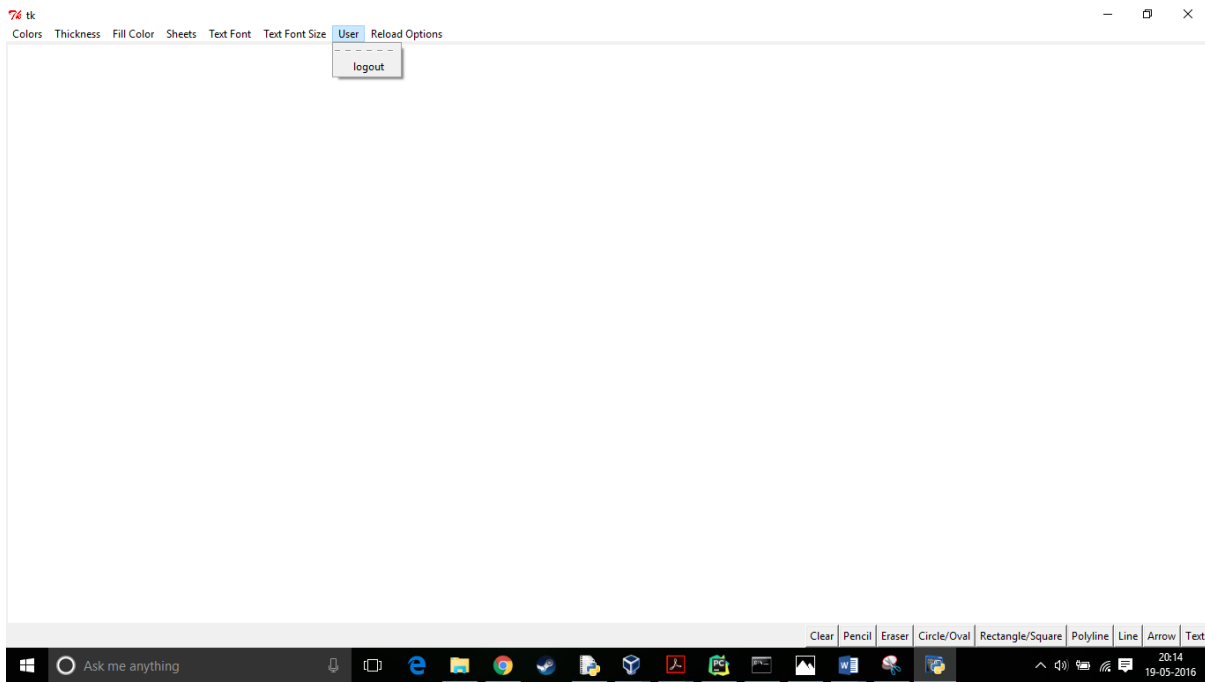
19. LOGOUT

For Logging out, the participant must select User option on the menu bar and Logout option will appear to the participant.

Upon clicking Logout, the participant is logged out of the session.

Participant can logout anytime.

Once participant logs out, whiteboard session will be closed for that particular participant.



20.REFERENCES

- [1] ConTech product request, P5: Internet Whiteboard, 2016. [Online]. Available for itslearning users:
<https://bth.itslearning.com/ContentArea/ContentArea.aspx?LocationID=6504&LocationType=1>