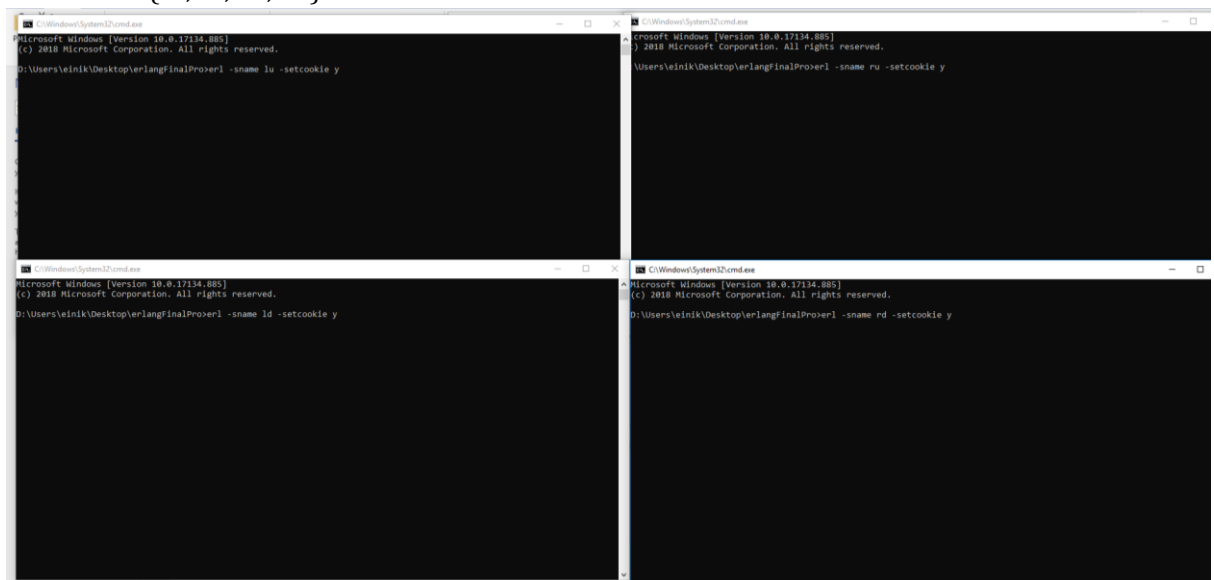


Simulation Instructions:

1. Find your pc hostname and paste it in wx_server file. Every node with different hostname.

```
22 -export([handle_call/3]).
23 -export([handle_cast/2]).
24 -export([handle_info/2]).
25
26 -export([terminate/2]).
27 -export([code_change/3]).
28
29 -export([createScreenMonitor/0]).
30 -export([monitorReceiveLoop/1]).
31 -export([serverReconnection/5]).
32
33
34
35 % =====
36 % Definitions of screens nodes names
37 % =====
38 -define(LU_NODE, 'lu@DESKTOP-LGTDJ1R').
39 -define(RU_NODE, 'ru@DESKTOP-LGTDJ1R').
40 -define(LD_NODE, 'ld@DESKTOP-LGTDJ1R').
41 -define(RD_NODE, 'rd@DESKTOP-LGTDJ1R').
42 -define(SCREENS, [?LU_NODE,
43                  ?LD_NODE,
44                  ?RU_NODE,
45                  ?RD_NODE]).
46
47 % =====
48 % Screen server state saved as a record
49 % =====
50 -record(state, {panel, frame, self, objects, menu, selectedObject, monitor, cursorKnight,
```

2. Open 4 shells for each computer(node).
3. Type those commands in the shell: erl -sname X -setcookie Y
Where $X \in \{lu, ld, ru, rd\}$ and $Y = \text{cookie}$.



4. Open another shell which will be the “leader” of the others.

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.17134.885]
(c) 2018 Microsoft Corporation. All rights reserved.

D:\Users\einik\Desktop\erlangFinalPro>erl -sname leader -setcookie y
```

5. In leader’s shell, compile wx_server with: “c(wx_server).”
You should get “ok”.
6. Run the simulation: “wx_server:start().”

```
C:\Windows\System32\cmd.exe - erl -sname leader -cookie
Microsoft Windows [Version 10.0.17134.885]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Adir\Desktop\erlangFinalPro>erl -sname leader -cookie
Eshell V10.4 (abort with ^G)
(leader@DESKTOP-LGTDJ1R)1> c(wx_server).
{ok,wx_server}
(leader@DESKTOP-LGTDJ1R)2> wx_server:start().
```

7. Simulation screen pop ups. Now with the mouse you can add characters.

