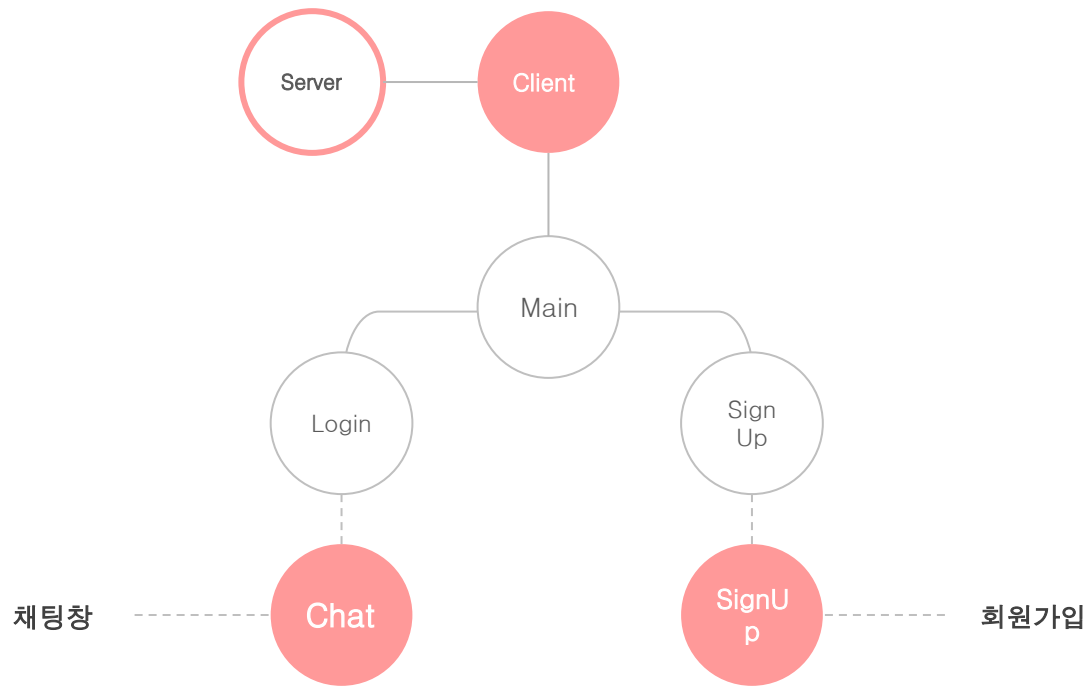


채팅 서버 *PRESENTATION*

Team Leader 박단비 (with 조수빈 김성진 박예찬 최혜민)

Chatting Program 클래스 구성

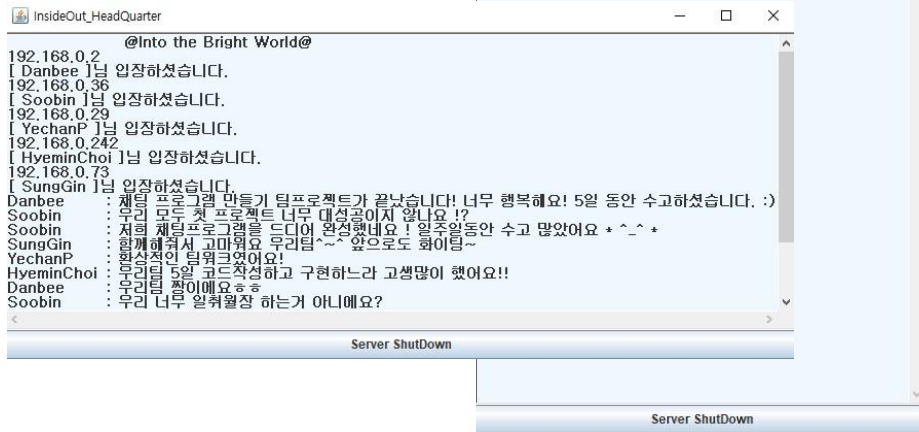


GUIChatServer

Server 콘솔 화면

Client의 입장내역 출력

Client의 대화내용 출력



```
public class GUIChatServer extends JFrame implements ActionListener{
    TextArea txt_list;
    JButton btn_exit;
    ServerSocket ss=null;
    Vector user;    //필드=전역변수

    public GUIChatServer() {
        super("InsideOut_HeadQuarter");

        txt_list = new TextArea();
        btn_exit = new JButton("Server ShutDown");

        //txt_list.setBackground(Color.CYAN);
        txt_list.setBackground(new Color(240, 248, 255));
        getContentPane().add(txt_list, "Center");
        getContentPane().add(btn_exit, "South");
        setSize(450,800);
        setVisible(true);

        //이벤트처리-----
        super.setDefaultCloseOperation(EXIT_ON_CLOSE);
        btn_exit.addActionListener(this);
        user=new Vector();
        serverStart();
    } //end
```

```
public void serverStart() {
    final int PORT=7500;
    try{
        ss=new ServerSocket(PORT);
        System.out.println("Into the Bright World");
        txt_list.append("                @Into the Bright World@\n");
        txt_list.setFont(new Font("궁서체", Font.BOLD, 14));
        while(true) {
            Socket sock=ss.accept();
            String str=sock.getInetAddress().getHostAddress();
            txt_list.append(str);

            ChatHandle ch=new ChatHandle(this,sock);
            user.addElement(ch);
            ch.start();    //startServer()바로 위에 inwon=new Vector();
        }
    }catch(IOException e){ }
} //end
```

GUIClient

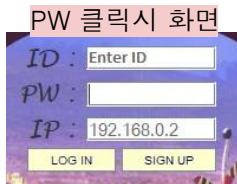


Client의 로그인 화면

ID, PW 입력란

IP는 고정값

LOGIN, SIGN UP 버튼



```
public void serverConnect() {
    firstPan = new JPanel();
    //JPanel pn = new JPanel();
    ImagePanel pn = new ImagePanel(new ImageIcon("C:\\Mtest\\Chatting Project\\insideOutI.jpg").getImage());
    pn.setLayout(null);

    firstPan.setLayout(new BorderLayout());
    firstPan.add(pn, BorderLayout.NORTH);

    JLabel lb1 = new JLabel("IP :");
    lb1.setHorizontalAlignment(SwingConstants.RIGHT);
    lb1.setFont(new Font("Lucida Handwriting", Font.PLAIN, 20));
    lb1.setBounds(295, 129, 60, 20);
    pn.add(lb1);
    txt_server_ip = new JTextField("192.168.0.2", 15);
    txt_server_ip.setForeground(new Color(105, 105, 105));
    txt_server_ip.setFont(new Font("Arial Unicode MS", Font.PLAIN, 15));
    txt_server_ip.setBounds(365, 129, 110, 20);
    pn.add(txt_server_ip);
    txt_name = new JTextField("Enter ID", 15);
    txt_name.setForeground(new Color(105, 105, 105));
    txt_name.setFont(new Font("Calibri", Font.BOLD, 15));
    txt_name.setBounds(365, 69, 110, 20);
    pn.add(txt_name);
    JLabel lb2 = new JLabel("ID :");
    lb2.setHorizontalAlignment(SwingConstants.RIGHT);
    lb2.setFont(new Font("Lucida Handwriting", Font.PLAIN, 20));
    lb2.setBounds(295, 69, 60, 20);
    pn.add(lb2);
}
```

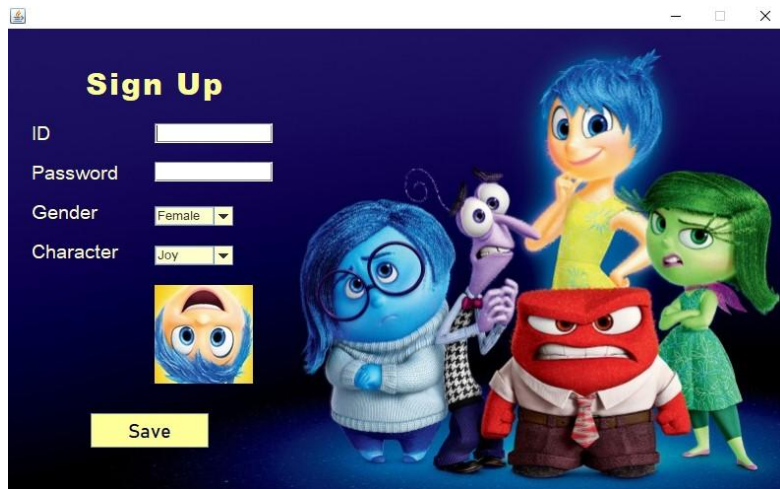
```
public GUIClient() {
    setIconImage(Toolkit.getDefaultToolkit().getImage("C:\\Mtest\\workJava\\Chatting_Final\\src\\image\\RainBow.jpg"));
    this.setTitle("InsideOut");
    serverConnect();
    chatPane();

    //card-----
    mainPan = new JPanel();
    cardLayout = new CardLayout();
    mainPan.setLayout(cardLayout);

    mainPan.add(firstPan, "접속창");
    mainPan.add(twoPan, "채팅창");
    cardLayout.show(mainPan, "접속창"); //기본선택
    //-----
    getContentPane().add(mainPan);
    setBounds(200, 200, 800, 500);
    setVisible(true);

    super.setDefaultCloseOperation(EXIT_ON_CLOSE);
    //이벤트처리
    btn_connect.addActionListener(this);
    btn_export.addActionListener(this);
    btn_exit.addActionListener(this);
    btn_send.addActionListener(this);
    btn_signUp.addActionListener(this);
    txt_input.addActionListener(this);
    //-----
} //end
```

SignUp



SIGN UP 버튼 누른 후 화면

ID, Password, Gender, Character 선택

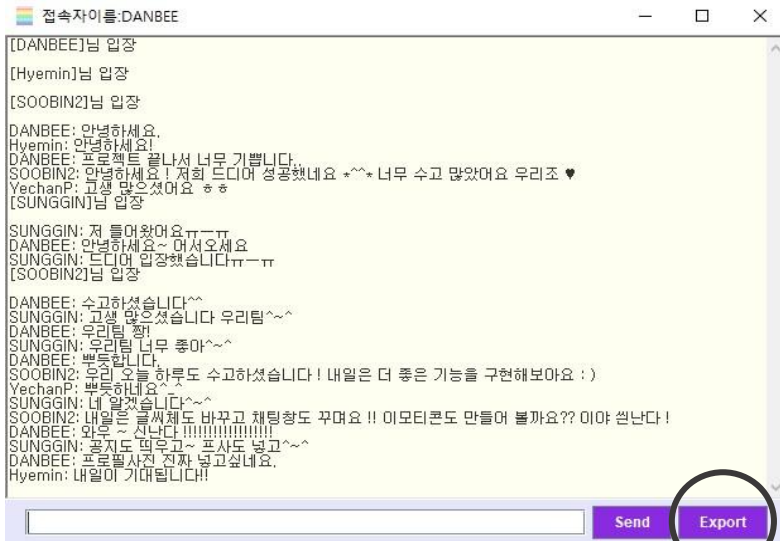
```
public void actionPerformed(ActionEvent e) {  
    Object ob = e.getSource();  
    if(ob == btn_connect){  
        cardlayout.show(mainPan, "채팅창");  
        this.setTitle("접속자이름:" + txt_name.getText());  
        ip_txt=txt_server_ip.getText();  
        Thread th=new Thread(this);  
        th.start();  
    }  
}
```

```
if(ob == btn_signUp) {  
    Chatting_signUp su = new Chatting_signUp();  
    su.SignupScreen();  
    if(ob == btn_send) { send();  
    if(ob == txt_input) { send();  
    if(ob == btn_export) {export();}  
    if(ob == btn_exit){  
        pw.println( txt_name.getText() + " 퇴장합니다 client btn_exit \n");  
        pw.flush();  
        System.exit(1);  
    }  
} //actionPerformed end
```

```
public static void SignupScreen() {  
    EventQueue.invokeLater(new Runnable() {  
        public void run() {  
            try {  
                Chatting_signUp JF = new Chatting_signUp();  
                JF.Frame.setVisible(true);  
            } catch (Exception e) {  
                e.printStackTrace();  
            }  
        }  
    });  
}
```

```
public Chatting_signUp() {  
    frame = new JFrame();  
    frame.setBounds(100, 100, 400, 500);  
    contentPane = new JPanel();  
    //contentPane = new JPanel();  
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));  
    frame.setContentPane(contentPane);  
    contentPane.setLayout(null);  
    contentPane.setLayout(null);  
    frame.setResizable(false);  
}
```

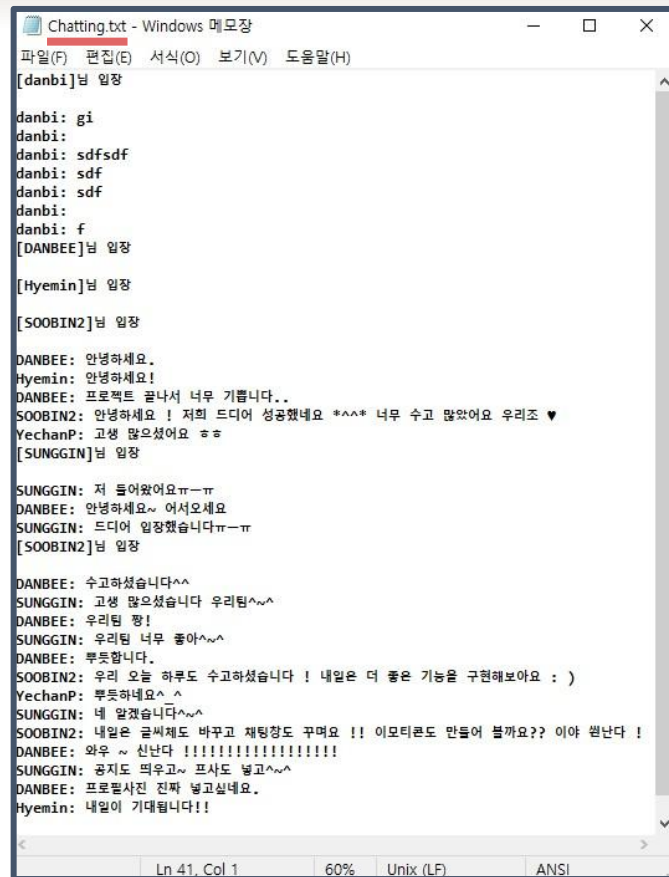
ChatBox



```
public void export() {  
    String chat = textArea.getText();  
    String path = "C:/Mtest/Chatting.txt";  
    try {  
        File file = new File(path);  
        FileWriter fw = new FileWriter(file, true);  
        BufferedWriter bw = new BufferedWriter(fw);  
        bw.write(chat);  
        textArea.append("#대화내용이 저장되었습니다\n");  
        System.out.println(path + "파일저장 성공");  
        bw.close(); // 필수  
    } catch (Exception ex) {  
        System.out.println("저장실패" + ex);  
    }  
}
```

EXPORT 버튼 액션리스너

대화 내용 .txt 로 만들기



EXPORT 버튼 누른 후 .EXCEL



USER 1

ID : Danbee Character : Disgust
PW : 951119 Gender : Female



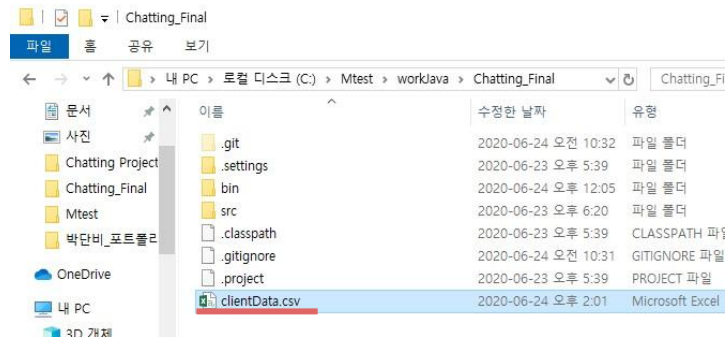
USER 2

ID : Yechan Character : Fear
PW : 900510 Gender : male



USER 3

ID : Soobin Character : Joy
PW : 970421 Gender : Female



.EXCEL 로 회원 정보 저장

	A	B	C	D	E
1	ID	PASS	CHARACTER	GENDAR	
2	Danbee	951119	Disgust	Female	
3	Yechan	900510	Fear	Male	
4	Soobin	970421	Joy	Female	
5					
6					
7					

clientData

준비



역할 분담

매일 팀원들에게 역할을 분담해 드렸습니다.



소스 작성

패키지, 클래스, 변수명 통일해 두고
팀원들이 각자 소스를 작성한 후 구글
문서에 업로드하여 실시간으로
수정해서 효율을 극대화 했습니다.



합치기

변수명을 미리 통일해 두었기 때문에
팀원들이 구현해놓은 클래스들을
쉽고 빠르게 합칠 수 있었습니다.

Souvenir 첫 팀프로젝트를 마치며



단비팀 .jpg



Test Video

4일째 되던날 완성 후 !