


List of References

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- [3] www.antharjalaya.com/invest-in-sri-lanka
- [4] www.cdax.lk
- [5] www.stockexchangesecrets.com
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- [9] www.onlinetradingconcepts.com
- [10] www.mysmp.com
- [11] Steve Nison New York Institute Of Finance Japanese Candlestick Charting Techniques pp 10 - 25

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www.lib.mrt.ac.lk
- [12] www.jfree.org

Appendix A – Source Code of main classes of the IGPMS

Main Class

```
package StockAnalysisSystem_2;
import de.javasoft.plaf.synthetica.SyntheticBlackStarLookAndFeel;
import javax.swing.UIManager;
public class Main {
    //public static MainSystem aa;
    public static Login log;
    public static void main(String[] args) {
        // TODO code application logic here
        try {
            UIManager.setLookAndFeel(new SyntheticBlackStarLookAndFeel());
        } catch (Exception e) {
            e.printStackTrace();
        }
        //new Loading().setVisible(true);
        //aa=new MainSystem();
        log=new Login();
        log.show();
    }
}
```



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MainSystem.java

```
package StockAnalysisSystem_2;
import java.beans.PropertyVetoException;
import java.io.IOException;
import java.sql.Connection;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import javax.swing.JOptionPane;
public class MainSystem extends javax.swing.JFrame {
    /** Creates new form MainSystem */
    String DBDriver = "com.mysql.jdbc.Driver"; //To load Drivers
    String DBSource = "jdbc:mysql://localhost/stockanalysis"; //To Load DataBase
    Connection CN;
    public MainSystem() {
        initComponents();
        //stc.setBounds(0, 0, desktop.getWidth(), desktop.getHeight());
        setSize(java.awt.Toolkit.getDefaultToolkit().getScreenSize()); //full screen
        new Thread(new Runnable() {
```

```

public void run() {
    try {
        while(true){
            Date da = new Date();
            SimpleDateFormat sd1 = new SimpleDateFormat("yyyy-MM-dd");
            SimpleDateFormat sd2 = new SimpleDateFormat("hh:mm:ss aa");
            String date = sd1.format(da);
            String time = sd2.format(da);
            lbltime.setText(time);
            lbldate.setText(date);

            Thread.sleep(1000);
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}

}).start();

// StockTrading stc=new StockTrading();
// stc.setBounds(0, 0, desktop.getWidth(), desktop.getHeight());
// desktop.add(stc);
// stc.show();
}

private void initComponents() {
    jPanel1 = new javax.swing.JPanel();
    jLabel6 = new javax.swing.JLabel();
    lblname = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    lbldate = new javax.swing.JLabel();
    lbltime = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();
    jLabel12 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    desktop = new javax.swing.JDesktopPane();
    jLabel14 = new javax.swing.JLabel();
    menuBar = new javax.swing.JMenuBar();
    JMogout = new javax.swing.JMenu();
}

```

```

jMenuItem1 = new javax.swing.JMenuItem();
jMenuItem2 = new javax.swing.JMenuItem();
jMenuItem16 = new javax.swing.JMenuItem();
jMenuItem3 = new javax.swing.JMenuItem();
jMenuItem4 = new javax.swing.JMenuItem();
jMenu1 = new javax.swing.JMenu();
jMenuItem15 = new javax.swing.JMenuItem();
jMenuItem5 = new javax.swing.JMenuItem();
jMenuItem6 = new javax.swing.JMenuItem();
jMenu2 = new javax.swing.JMenu();
jMenuItem7 = new javax.swing.JMenuItem();
jMenuItem8 = new javax.swing.JMenuItem();
jMenuItem17 = new javax.swing.JMenuItem();
jMenu3 = new javax.swing.JMenu();
jMenuItem9 = new javax.swing.JMenuItem();
jMenuItem10 = new javax.swing.JMenuItem();
jMenuItem11 = new javax.swing.JMenuItem();
jMenuItem12 = new javax.swing.JMenuItem();
jMenuItem13 = new javax.swing.JMenuItem();
jMenu5 = new javax.swing.JMenu();
jMenuItem14 = new javax.swing.JMenuItem();
jMenu6 = new javax.swing.JMenu();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Investor Guide and Portfolio Management System ");
jPanel1.setBackground(new java.awt.Color(204, 204, 204));
jLabel6.setText("Welcome ");
lblname.setText("Guest");
jLabel7.setText("!!!");
lbldate.setFont(new java.awt.Font("Tahoma", 1, 11));
lbldate.setText("date ");
lbltime.setFont(new java.awt.Font("Tahoma", 1, 11));
lbltime.setForeground(new java.awt.Color(153, 0, 0));
lbltime.setText("time");
jLabel1.setText("Date : ");
jLabel2.setText("Time : ");
jLabel4.setIcon(new javax.swing.ImageIcon("C:\\stock");
jLabel4.setToolTipText("Daily Trade");
jLabel4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jLabel4.setPreferredSize(new java.awt.Dimension(40, 48));
jLabel4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel4MouseClicked(evt);
    }
});

```

```

jLabel3.setIcon(new javax.swing.ImageIcon("C:\\Documents and
Settings\\Muhammed Fazal\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\portfolio.png")); // NOI18N
jLabel3.setToolTipText("Portfolio Management");
jLabel3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jLabel3.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel3MouseClicked(evt);
    }
});

```

```

jLabel5.setIcon(new javax.swing.ImageIcon("C:\\Documents and
Settings\\Muhammed Fazal\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\buy.png")); // NOI18N
jLabel5.setToolTipText("Buy");
jLabel5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jLabel5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel5MouseClicked(evt);
    }
});

```

```

jLabel8.setIcon(new javax.swing.ImageIcon("C:\\Documents and
Settings\\Muhammed Fazal\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\sell.png")); // NOI18N
jLabel8.setToolTipText("Sell");
jLabel8.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jLabel8.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel8MouseClicked(evt);
    }
});

```

```

jLabel9.setIcon(new javax.swing.ImageIcon("C:\\Documents and
Settings\\Muhammed Fazal\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\chart.png")); // NOI18N
jLabel9.setToolTipText("Share Price Movements");
jLabel9.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jLabel9.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jLabel9MouseClicked(evt);
    }
});

```

```

jLabel10.setIcon(new javax.swing.ImageIcon("C:\\Documents and
Settings\\Muhammed Fazal\\My

```

```

Documents\NetBeansProjects\Stock_Analysis_4\Images\add company.png")); //
NOI18N
    JLabel10.setToolTipText("Add Company");
    JLabel10.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
    JLabel10.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            JLabel10MouseClicked(evt);
        }
    });

    JLabel11.setIcon(new javax.swing.ImageIcon("C:\\Documents and
Settings\\Muhammed Fazal\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\analyze2.png")); // NOI18N
    JLabel11.setToolTipText("Share Analyzer");
    JLabel11.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
    JLabel11.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            JLabel11MouseClicked(evt);
        }
    });

    JLabel12.setIcon(new javax.swing.ImageIcon("C:\\Documents and Settings\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\analyze.png")); // NOI18N
    JLabel12.setToolTipText("Price Comparison");
    JLabel12.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
    JLabel12.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            JLabel12MouseClicked(evt);
        }
    });

    JLabel13.setIcon(new javax.swing.ImageIcon("C:\\Documents and
Settings\\Muhammed Fazal\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\cal.png")); // NOI18N
    JLabel13.setToolTipText("Stock Calculator");
    JLabel13.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
    JLabel13.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            JLabel13MouseClicked(evt);
        }
    });

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

```

```

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(21, 21, 21)
        .addComponent(jLabel10)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(31, 31, 31)
        .addComponent(jLabel3)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel5)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel8)
        .addGap(34, 34, 34)
        .addComponent(jLabel9)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel11)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel12)
        .addGap(53, 53, 53)
        .addComponent(jLabel13)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
100, Short.MAX_VALUE)
        .addComponent(jLabel6)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(lblname)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel7)
        .addGap(96, 96, 96)
        .addComponent(jLabel1)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(lbldate)
        .addGap(41, 41, 41)
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(lbltime)
        .addGap(52, 52, 52))
);
jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

```

```

        .addContainerGap(29, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(lblname)
        .addComponent(jLabel7))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(lbldate)
        .addComponent(lbltime)
        .addComponent(jLabel1)
        .addComponent(jLabel2)))
        .addGap(27, 27, 27))
.addGroup(jPanel1Layout.createParallelGroup()
        .addGap(19, 19, 19)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
ADING)
        .addComponent(jLabel9)
        .addComponent(jLabel12)
        .addComponent(jLabel11)
        .addComponent(jLabel8)
        .addComponent(jLabel5)
        .addComponent(jLabel3)
        .addComponent(jLabel13)
        .addComponent(jLabel4, 0, 0, Short.MAX_VALUE)
        .addComponent(jLabel10))
        .addContainerGap())
);

desktop.setBackground(new java.awt.Color(0, 0, 0));

jLabel14.setIcon(new javax.swing.ImageIcon("C:\\Documents and Settings\\My
Documents\\NetBeansProjects\\Stock_Analysis_4\\Images\\DesktopImage1.jpg")); //
NOI18N
jLabel14.setText("jLabel14");
jLabel14.setBounds(140, 50, 880, 550);
desktop.add(jLabel14, javax.swing.JLayeredPane.DEFAULT_LAYER);
JMogout.setText("New ");
JMogout.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {

```



```

        JMogoutMousePressed(evt);
    }
});
jMenuItem1.setText("Add Company");
jMenuItem1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem1MousePressed(evt);
    }
});
JMogout.add(jMenuItem1);

jMenuItem2.setText("Tax Policy");
jMenuItem2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem2MousePressed(evt);
    }
});
JMogout.add(jMenuItem2);

jMenuItem16.setText("Daily Trade");
jMenuItem16.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem16MousePressed(evt);
    }
});
JMogout.add(jMenuItem16);

jMenuItem3.setText("Register");
jMenuItem3.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem3MousePressed(evt);
    }
});
JMogout.add(jMenuItem3);

jMenuItem4.setText("Exit");
jMenuItem4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem4MousePressed(evt);
    }
});
JMogout.add(jMenuItem4);

menuBar.add(JMogout);

jMenu1.setText("Order  ");

```

```

jMenuItem15.setText("Portfolio Management");
jMenuItem15.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem15MousePressed(evt);
    }
});
jMenu1.add(jMenuItem15);

```

```

jMenuItem5.setText(" Buy");
jMenuItem5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem5MousePressed(evt);
    }
});
jMenu1.add(jMenuItem5);

```

```

jMenuItem6.setText(" Sell");
jMenuItem6.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem6MousePressed(evt);
    }
});
jMenu1.add(jMenuItem6);
menuBar.add(jMenu1);

```

```

jMenu2.setText("Investment Tips ");

```

```

jMenuItem7.setText("Share Price Movements");
jMenuItem7.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem7MousePressed(evt);
    }
});
jMenu2.add(jMenuItem7);

```

```

jMenuItem8.setText("Share Analyzer");
jMenuItem8.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem8MousePressed(evt);
    }
});
jMenu2.add(jMenuItem8);

```

```

jMenuItem17.setText("Price Comparison");

```



```

jMenuItem17.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem17MousePressed(evt);
    }
});
jMenu2.add(jMenuItem17);

menuBar.add(jMenu2);

jMenu3.setText("Reports ");

jMenuItem9.setText("Purchased Details");
jMenuItem9.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem9MousePressed(evt);
    }
});
jMenu3.add(jMenuItem9);

jMenuItem10.setText("Sold Details");
jMenuItem10.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem10MousePressed(evt);
    }
});
jMenu3.add(jMenuItem10);

jMenuItem11.setText("Company Details");
jMenuItem11.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem11MousePressed(evt);
    }
});
jMenu3.add(jMenuItem11);

jMenuItem12.setText("Share Price Movements ");
jMenuItem12.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem12MousePressed(evt);
    }
});
jMenu3.add(jMenuItem12);

jMenuItem13.setText(" All Trades");
jMenuItem13.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {

```

```

        jMenuItem13MousePressed(evt);
    }
});
jMenu3.add(jMenuItem13);

menuBar.add(jMenu3);

jMenu5.setText("Tools  ");

jMenuItem14.setText("Stock Calculator");
jMenuItem14.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem14MousePressed(evt);
    }
});
jMenu5.add(jMenuItem14);

menuBar.add(jMenu5);

jMenu6.setText("Help  ");
jMenu6.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        jMenuItem6MousePressed(evt);
    }
});
menuBar.add(jMenu6);
setJMenuBar(menuBar);
javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(desktop, javax.swing.GroupLayout.DEFAULT_SIZE, 1064,
Short.MAX_VALUE)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(desktop, javax.swing.GroupLayout.DEFAULT_SIZE, 603,
Short.MAX_VALUE))
);

```

```

);
pack();
} // </editor-fold>
private void JLogoutMousePressed(java.awt.event.MouseEvent evt) {
}
private void jMenuItem1MousePressed(java.awt.event.MouseEvent evt) {
AddCompany ac=new AddCompany();
desktop.add(ac);
ac.show();
}
private void jMenuItem2MousePressed(java.awt.event.MouseEvent evt) {
TaxPolicy tp=new TaxPolicy();
desktop.add(tp);
tp.show();
}
private void jMenuItem3MousePressed(java.awt.event.MouseEvent evt) {
RegistrationForm rf=new RegistrationForm();
desktop.add(rf);
rf.show();
}
private void jMenuItem5MousePressed(java.awt.event.MouseEvent evt) {
Buying by=new Buying();
desktop.add(by);
by.show();
}
private void jMenuItem6MousePressed(java.awt.event.MouseEvent evt) {
Selling se=new Selling();
desktop.add(se);
se.show();
}
private void jMenuItem7MousePressed(java.awt.event.MouseEvent evt) {
StockTrading st=new StockTrading();
desktop.add(st);
st.show();
}
private void jMenuItem8MousePressed(java.awt.event.MouseEvent evt) {
ShareAnalyzer sa=new ShareAnalyzer();
desktop.add(sa);
sa.show();
}
private void jMenuItem9MousePressed(java.awt.event.MouseEvent evt) {
Purchases pu=new Purchases();
desktop.add(pu);
pu.show();
}
private void jMenuItem10MousePressed(java.awt.event.MouseEvent evt) {

```

```

        Sold so=new Sold();
        desktop.add(so);
        so.show();
    }
    private void jMenuItem11MousePressed(java.awt.event.MouseEvent evt) {
        CompanyDetails cd=new CompanyDetails();
        desktop.add(cd);
        cd.show();
    }
    private void jMenuItem12MousePressed(java.awt.event.MouseEvent evt) {
        PriceMovements dt=new PriceMovements();
        desktop.add(dt);
        dt.show();
    }
    private void jMenuItem13MousePressed(java.awt.event.MouseEvent evt) {
        AllTrades at=new AllTrades();
        desktop.add(at);
        at.show();
    }

    private void jMenuItem14MousePressed(java.awt.event.MouseEvent evt) {
        Calculator cal=new Calculator();
        desktop.add(cal);
        cal.show();
    }
    private void jMenuItem15MousePressed(java.awt.event.MouseEvent evt) {
        Portfolio ua=new Portfolio();
        desktop.add(ua);
        ua.show();
    }
    private void jMenuItem16MousePressed(java.awt.event.MouseEvent evt) {
        DailyTrades dt =new DailyTrades();
        desktop.add(dt);
        dt.show();
    }
    private void jMenuItem17MousePressed(java.awt.event.MouseEvent evt) {
        PriceComparison pc=new PriceComparison();
        desktop.add(pc);
        pc.show();
    }
    private void jMenuItem4MousePressed(java.awt.event.MouseEvent evt) {
        System.exit(0);
    }
    private void jMenuItem6MousePressed(java.awt.event.MouseEvent evt) {
        try{

```

```

Runtime.getRuntime().exec("C:\\Program Files\\Microsoft
Office\\Office12\\WINWORD.exe Help.doc");
}
catch(IOException ex){
ex.printStackTrace();
}
}
private void jLabel13MouseClicked(java.awt.event.MouseEvent evt) {
Calculator cal=new Calculator();
desktop.add(cal);
cal.show();
}
private void jLabel12MouseClicked(java.awt.event.MouseEvent evt) {
PriceComparison pc=new PriceComparison();
desktop.add(pc);
pc.show();
}

private void jLabel11MouseClicked(java.awt.event.MouseEvent evt) {
ShareAnalyzer sa=new ShareAnalyzer();
desktop.add(sa);
sa.show();
}
private void jLabel9MouseClicked(java.awt.event.MouseEvent evt) {
StockTrading st=new StockTrading();
desktop.add(st);
st.show();
}
private void jLabel8MouseClicked(java.awt.event.MouseEvent evt) {
Selling se=new Selling();
desktop.add(se);
se.show();
}
private void jLabel5MouseClicked(java.awt.event.MouseEvent evt) {
Buying by=new Buying();
desktop.add(by);
by.show();
}
private void jLabel3MouseClicked(java.awt.event.MouseEvent evt) {
Portfolio ua=new Portfolio();
desktop.add(ua);
ua.show();
}
private void jLabel4MouseClicked(java.awt.event.MouseEvent evt) {
DailyTrades dt =new DailyTrades();
desktop.add(dt);
}

```

```

    dt.show();
}
private void jLabel10MouseClicked(java.awt.event.MouseEvent evt) {
    AddCompany ac=new AddCompany();
    desktop.add(ac);
    ac.show();
}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new MainSystem().setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JMenu JMogout;
public javax.swing.JDesktopPane desktop;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenu jMenu2;
private javax.swing.JMenu jMenu3;
private javax.swing.JMenu jMenu5;
private javax.swing.JMenu jMenu6;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem10;
private javax.swing.JMenuItem jMenuItem11;
private javax.swing.JMenuItem jMenuItem12;
private javax.swing.JMenuItem jMenuItem13;
private javax.swing.JMenuItem jMenuItem14;
private javax.swing.JMenuItem jMenuItem15;
private javax.swing.JMenuItem jMenuItem16;
private javax.swing.JMenuItem jMenuItem17;

```



```
private javax.swing.JMenuItem jMenuItem2;  
private javax.swing.JMenuItem jMenuItem3;  
private javax.swing.JMenuItem jMenuItem4;  
private javax.swing.JMenuItem jMenuItem5;  
private javax.swing.JMenuItem jMenuItem6;  
private javax.swing.JMenuItem jMenuItem7;  
private javax.swing.JMenuItem jMenuItem8;  
private javax.swing.JMenuItem jMenuItem9;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JLabel lbldate;  
public javax.swing.JLabel lblname;  
private javax.swing.JLabel lbltime;  
private javax.swing.JMenuBar menuBar;
```



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Appendix B – Questioner for the evaluation

| Participant Details | |
|---|--|
| Name in full: | |
| CDS Number..... | |
| Experience with Stock Market (Years): | |
| Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female | |
| Age: | |

Skip the question which is not applicable

1. System Usability

Please put cross mark (X) to select appropriate answer against each question, using the scale given below

| | | | |
|-------------------|----------|---------|----------------|
| 1 | 2 | 4 | 5 |
| Strongly disagree | Disagree | Neutral | Strongly Agree |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | I would like to use this system frequently | 1 | 2 | 3 | 4 | 5 |
| 2 | The System is unnecessarily complex | 1 | 2 | 3 | 4 | 5 |
| 3 | The System is easy to use | 1 | 2 | 3 | 4 | 5 |
| 4 | Need technical assist to use this System | 1 | 2 | 3 | 4 | 5 |
| 5 | This system has sufficient number of functionalities | 1 | 2 | 3 | 4 | 5 |
| 6 | This system generates sufficient number of Reports | 1 | 2 | 3 | 4 | 5 |
| 7 | Users will be adapted to the system very quickly | 1 | 2 | 3 | 4 | 5 |
| 8 | I would like to use this System the future | 1 | 2 | 3 | 4 | 5 |
| 9 | Investment Tips provided by the system are sufficient | 1 | 2 | 3 | 4 | 5 |

2. User Interface Satisfaction

Please put cross mark (X) to select appropriate answer against each question, using the scale given below

| 1 | 2 | 3 | 4 | 5 |
|-------------------|----------|---------|-------|----------------|
| Strongly disagree | Disagree | Neutral | Agree | Strongly Agree |

| | | | | | | |
|---|-----------------------|---|---|---|---|---|
| 1 | Easy to read | 1 | 2 | 3 | 4 | 5 |
| 2 | Charts are very clear | 1 | 2 | 3 | 4 | 5 |
| 3 | Very familiar | 1 | 2 | 3 | 4 | 5 |
| 4 | Very innovative | 1 | 2 | 3 | 4 | 5 |

3. Efficiency of System

Please put cross mark (X) to select appropriate answer against each question, using the scale given below

| 1 | 2 | 3 | 4 | 5 |
|-------------------|----------|---------|-------|----------------|
| Strongly disagree | Disagree | Neutral | Agree | Strongly Agree |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Provide sufficient keyboard support and shortcuts | 1 | 2 | 3 | 4 | 5 |
| 2 | Provide sufficient personalization capabilities | 1 | 2 | 3 | 4 | 5 |
| 3 | Well focus on a particular task | 1 | 2 | 3 | 4 | 5 |
| 4 | Well accessibility | 1 | 2 | 3 | 4 | 5 |
| 5 | System is considerably speed | 1 | 2 | 3 | 4 | 5 |

4. Content of the System

Please put cross mark (X) to select appropriate answer against each question, using the scale given below

| 1 | 2 | 3 | 4 | 5 |
|-------------------|----------|---------|-------|----------------|
| Strongly disagree | Disagree | Neutral | Agree | Strongly Agree |

| | | | | | | |
|---|--|---|---|---|---|---|
| 1 | Calculations are very useful | 1 | 2 | 3 | 4 | 5 |
| 2 | Provide Sufficient number of Investment tips | 1 | 2 | 3 | 4 | 5 |
| 4 | Easy to understand | 1 | 2 | 3 | 4 | 5 |

5. System Capabilities

Please put cross mark (X) to select appropriate answer against each question, using the scale given below

| 1 | 2 | 3 | 4 | 5 |
|-------------------|----------|---------|-------|----------------|
| Strongly disagree | Disagree | Neutral | Agree | Strongly Agree |

| | | | | | | |
|---|-------------------------------|---|---|---|---|---|
| 1 | Investment Tips are accurate. | 1 | 2 | 3 | 4 | 5 |
| 2 | Easy to correct mistakes | 1 | 2 | 3 | 4 | 5 |
| 3 | Novice users are considered | 1 | 2 | 3 | 4 | 5 |

6. Overall impression of the system

Please put cross mark (X) to select appropriate answer against each question, using the scale given below

| 1 | 2 | 3 | 4 | 5 |
|-------------------|----------|---------|-------|----------------|
| Strongly disagree | Disagree | Neutral | Agree | Strongly Agree |

| | | | | | | |
|---|--|---|---|---|---|---|
| 1 | System is quite easy to use | 1 | 2 | 3 | 4 | 5 |
| 2 | System is highly integrative, easy and quick to access | 1 | 2 | 3 | 4 | 5 |
| 3 | System provide enough features to manage portfolios | 1 | 2 | 3 | 4 | 5 |
| 4 | System provide enough information to make investment decisions | 1 | 2 | 3 | 4 | 5 |

7. Other

I. What are the features you would prefer about the System?

.....

II. What are the features you wouldn't interest about the System?

.....

III. List the problems you have encountered while using system.

.....
.....
.....

IV. Please suggest some ideas about what you would like to see in this system

.....
.....
.....

V. Please provide an overall impression of how you feel about the system

.....
.....
.....

Thank you for your participation



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Appendix C – List of Abbreviations

IGPMS – Investor Guide and Portfolio Management System

CDS – Central Depository System

CSE – Colombo Stock Exchange

SEC – Security and Exchange Commission

ROI – Return on Investment

EPS – Earning per share

CDAX – Colombo Direct Access Exchange

GUI – Graphical User Interface



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