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JDOWNLOADER

CONTENT

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- Code from the beginner developer's point of view
- × Description of the problem solution
 - + The process of the work on the project itself
 - + The solution
- × The result

THE TASK

× JDownloader

- + Java open-source project
- + Developed 2009, current version 2

x The purpose of the project

- + To solve the ticket number 6471
- + To clear the password fields



JDOWNLOADER CODE

- × IDE of the project Eclipse
- **×** CVS used in the project SVN
- JDownloader application is composed of three projects
 - + AppWorkUtils
 - + JDBrowser
 - + JDownloader

× Communication

+ Access rights to the system were given 90 days after the request

× The code

+ Difficult orientation in the code

```
private boolean paintStatusbarTopBorder
                                          = true:
                                          = new JTable().getBackground().getRGB();
private int
               panelBackgroundColor
private int
               panelHeaderLineColor
                                          = Color.LIGHT_GRAY.getRGB();
               downloadOverviewHeaderColor = -1:
private int
public int getDownloadOverviewHeaderColor() {
   return downloadOverviewHeaderColor;
}
public void setDownloadOverviewHeaderColor(int downloadOverviewHeaderColor) {
   this.downloadOverviewHeaderColor = downloadOverviewHeaderColor;
}
public int getPanelHeaderLineColor() {
   return panelHeaderLineColor;
}
public void setPanelHeaderLineColor(int panelHeaderLineColor) {
   this.panelHeaderLineColor = panelHeaderLineColor;
}
private int panelHeaderColor
                                     = new JTableHeader().getBackground().getRGB();
private int panelHeaderForegroundColor = 0;
public void setPopupBorderInsets(int[] popupBorderInsets) {
   this.popupBorderInsets = popupBorderInsets;
}
private int[] popupBorderInsets = new int[] { 0, 0, 0, 0 };
private int
             errorForeground
                                   = 16711680;
             tooltipForegroundColor = 0xccccc;
private int
15.5.2013
                                        A4M350SP
```

× Communication

+ Access rights to the system were given 90 days after the request

× The code

- + Difficult orientation in the code
- + Missing or insufficient comments

```
/**
Θ
      * @param url
      * @return
      */
     public static Image[] getGifImages(URL url) {
Θ
         InputStream stream = null;
         try {
             return getGifImages(stream = url.openStream());
         } catch (IOException e) {
             Log.exception(e);
         } finally {
             try {
                  stream.close();
             } catch (final Throwable e) {
             }
         }
         return null;
     }
```

× Communication

+ Access rights to the system were given 90 days after the request

× The code

- + Difficult orientation in the code
- + Missing or insufficient comments
- + Non-refactored code

@Override

```
public JComponent layoutDialogContent() {
```

```
LAFOptions lafOptions = LookAndFeelController.getInstance().getLAFOptions();
MigPanel field = new MigPanel("ins 0,wrap 1", "[grow,fill]", "[grow,fill]");
// field.setOpaque(false);
getDialog().setMinimumSize(new Dimension(0, 0));
// getDialog().setIconImage(hosterInfo.getFavIcon().getImage());
final JPanel panel = new JPanel(new MigLayout("ins 0,wrap 1", "[fill,grow]", "[grow,fill]10[]"));
final int col = lafOptions.getPanelBackgroundColor();
if (col >= 0) {
    field.setBackground(new Color(col));
    field.setOpaque(true);
    // getDialog().getContentPane().setBackground(new Color(col));
    // panel.setBackground(new Color(col));
}
MigPanel headerPanel = null;
if (type == DialogType.HOSTER) {
    // setBorder(new JTextField().getBorder());
    headerPanel = new MigPanel("ins 0 0 1 0", "[grow,fill]", "[]");
    headerPanel.setBorder(BorderFactory.createMatteBorder(0, 0, 1, 0, new Color(LookAndFeelController.ge
    headerPanel.setBackground(new Color(LookAndFeelController.getInstance().getLAFOptions().getPanelHead
```

```
headerPanel.setOpaque(true);
```

× Communication

+ Access rights to the system were given 90 days after the request

× The code

- + Difficult orientation in the code
- + Missing or insufficient comments
- + Non-refactored code
- + Application after start up generates log file approximately 300 kB in size

THE SOLUTION

- To find and to identify the dialogs containing the password fields
- ★ To clear the original contents ☺

ORIGINAL STATE

9

Správce účtů

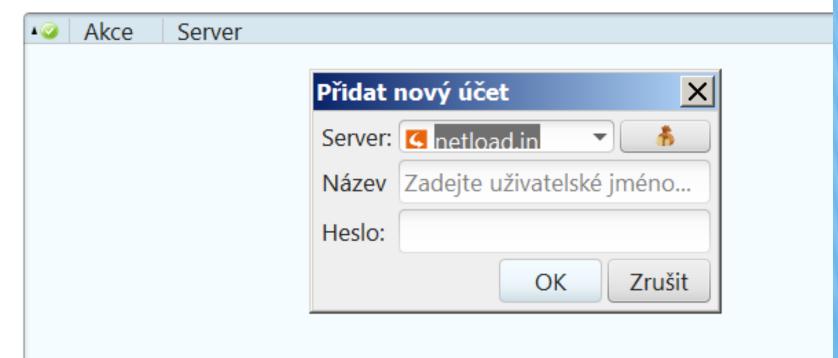
Zadejte a spravujte všechny Vaše Premiové, zlaté, platinové a jiné účty.

Akce Server	Uživatels
	Přidat nový účet
	Server: Cnetload.in
	Název Zadejte uživatelské jméno
	Heslo: *********
	OK Zrušit

AFTER THE PROBLEM WAS SOLVED



Zadejte a spravujte všechny Vaše Premiové, zlaté, platinové a jiné účty.



THE RESULT

The ticket was fixed successfullyInclusion to the project?

THANK YOU FOR YOUR ATTENTION