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JDOWNLOADER

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 - + The process of the work on the project itself
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THE TASK

- × JDownloader

 - + Java open-source project

 - + Developed 2009, current version 2

- × 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

PROCESS OF THE WORK ON THE PROJECT

× Communication

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

× The code

- + Difficult orientation in the code

```

private boolean paintStatusBarTopBorder    = true;
private int    panelBackgroundColor      = new JTable().getBackground().getRGB();
private int    panelHeaderLineColor     = Color.LIGHT_GRAY.getRGB();
private int    downloadOverviewHeaderColor = -1;

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;
private int    tooltipForegroundColor = 0xcccccc;

```

PROCESS OF THE WORK ON THE PROJECT

× Communication

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

× The code

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

PROCESS OF THE WORK ON THE PROJECT

```
⊖ /**
   * @param url
   * @return
   */
⊖ public static Image[] getGifImages(URL url) {
    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;
}
```


PROCESS OF THE WORK ON THE PROJECT

× 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

PROCESS OF THE WORK ON THE PROJECT

```
@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[1]"));
    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]", "[1]");
        headerPanel.setBorder(BorderFactory.createMatteBorder(0, 0, 1, 0, new Color(LookAndFeelController.ge

        headerPanel.setBackground(new Color(LookAndFeelController.getInstance().getLAFOptions().getPanelHead
        headerPanel.setOpaque(true);
```

PROCESS OF THE WORK ON THE PROJECT

× 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



Správce účtů

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

▲ ✓	Akce	Server	Uživatels...
<div data-bbox="780 625 1607 1108"><h3>Přidat nový účet</h3><p>Server:  netload.in </p><p>Název: <input type="text" value="Zadejte uživatelské jméno..."/></p><p>Heslo: <input type="password" value="*****"/></p><p><input type="button" value="OK"/> <input type="button" value="Zrušit"/></p></div>			

AFTER THE PROBLEM WAS SOLVED



Správce účtů

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



Akce

Server

Přidat nový účet

Server:  netload.in



Název

Heslo:

OK

Zrušit

THE RESULT

- × The ticket was fixed successfully
- × Inclusion to the project?

THANK YOU FOR YOUR ATTENTION