Plansoft.org – source code

2025.03.16 Maciej Szymczak

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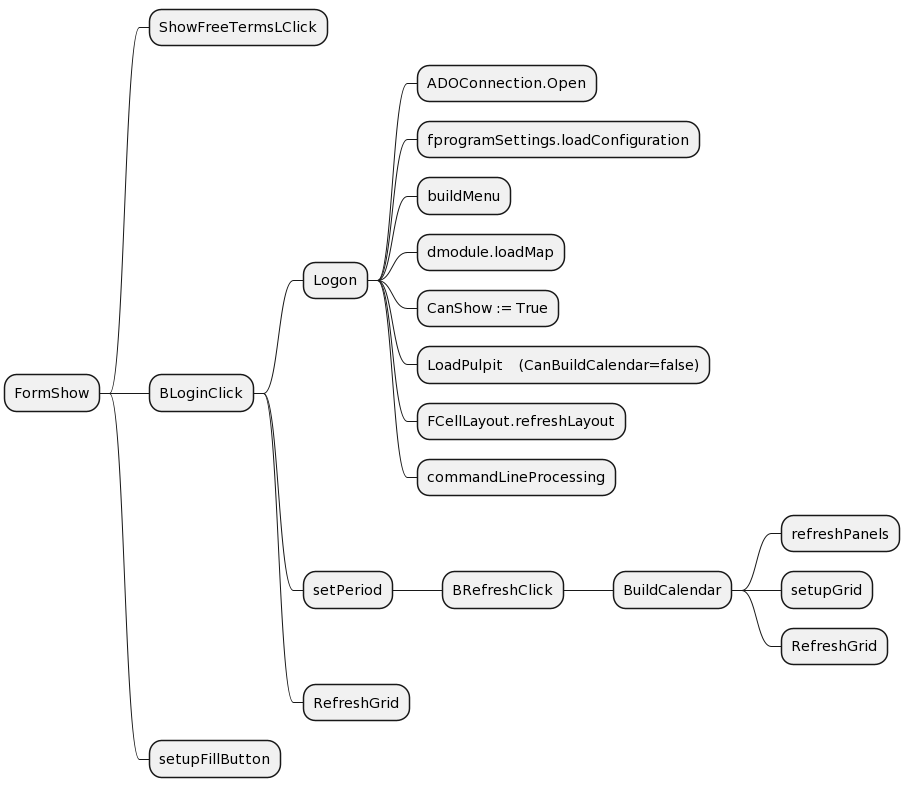
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## Events

### Initial sequence



<https://www.planttext.com/?text=NP71ReCm38RlF4LkspZq0IPLwc1Y5wgYjI-G4aEjEJ5o4bLx-oKDJDCu-V_ui9rmy45BiEYCrKjLFRLi5ntmIg3k66xg9FEH3QYggbN7OiytlgUwLhde1E02OdtV4evV6JSzp-YsMAiKsUMgLc_lfvQTWp4WkzrfWPLFY_0isfuX17Iptn5haym9voWwoyMxHYHp11TBD9PD97ZOnxJx0xRQvSNKwrvT94A1VJA6I0i6bPxdv3IvLQi9dD6odpHvU2bkrm9HhxyvXft09E1l9PNN8rkhdUdHmI0yWlTfuyT1FOG11DaKiVai7__UH6P_fnPMgtN8e1sGts1g5fSFGRE1jTk6_kNYTqZKn13IVLM7D6FzgJy0>

### Grid refresh

Use **deepRefreshDelayed**

Refreshes entire screen in 2 seconds delay.

deepRefreshImmediate is for internal use only, do not use it. Use deepRefreshDelayed instead.

### Cache

**convertGrid** converts position in grid into day and hour. Next day and hour is used by ClassByGroupCaches to get the class and render it on the screen.

**TClassByGroupCaches**

Used for finding the classes by date/time and groupId.

Keeps the cache for many groups, see the array **Data**.

There is also **TClassByResCaches** (same for rooms) and **TClassByLecturerCaches** (same for lecturers).

**TClassByChildCache**

Used by 3 above

## How to save/load settings

The best way to save or load setting is to mimic these procedures:

* procedure TFMatrix.LoadFromIni ( inifilename : tfilename );
* procedure TFMatrix.saveToIni ( inifilename : tfilename );

### Settings for Matrix

procedure TFMatrix.LoadFromIni ( inifilename : tfilename );

procedure TFMatrix.saveToIni ( inifilename : tfilename );

### Settings for traditional printing (Menu | Print)

Settings in kept in files A3, A4 (without extension) in path C:\Users\Maciek\Planowanie\documents.

Settings is in .ini format.

On first program execution, files are copied from the path exepath.

Search source code for “A4” to learn more.

# Database

## Single value

resultString := DModule.SingleValue('select planner\_utils.get\_excluded\_res\_ids(''' +Ids+ ''') result from dual');

Use DModule.SingleValue2 when dataset1 is in use (for example inside loop)

resultString := DModule.SingleValue2('select planner\_utils.get\_excluded\_res\_ids(''' +Ids+ ''') result from dual');

## Recordset

<to do>

## Stored procedure: no parameters

DModule.SQL('BEGIN PLANNER\_UTILS.UPDATE\_LGRS; END;');

## Stored procedure: with parameters

|  |
| --- |
| with dmodule.QWork do begin  SQL.Clear;  SQL.Add('begin planner\_utils.clone\_holidays (:source\_per\_id, :target\_per\_id, :delete\_target); end;');  Parameters.ParamByName('source\_per\_id').value := conPeriod.Text;  Parameters.ParamByName('target\_per\_id').value := KeyValue;  Parameters.ParamByName('delete\_target').value := 'Y';  execSQL;  end; |

# Progress bar

|  |
| --- |
| FProgress.Show;  //range 0-100  FProgress.ProgressBar.Position := round(currentCnt \* FProgress.ProgressBar.Max / classesToAdd);  FProgress.Refresh;  FProgress.Hide;  Also add “FProgress.Hide;” on exit / exception. |

# Floating message

FFloatingMessage.showModal('test');

# SSO integration: Active directory

1. Install Oracle with ActiveDirectory configuration
2. Change in plansoft.org:

AdoConnection.ConnectionString needs to be: 'Provider=OraOLEDB.Oracle;Data Source=YourOracleDB;OSAuthent=1;';

*//OSAuthent=1* tells Oracle to use the current Windows user for authentication.

AdoConnection.LoginPrompt := False;  
AdoConnection.Connected := True;

# Exceptions

Exception.CreateFmt('weeklyTable.addCell, Row %s does not exist', [rowLabel]);

# Service

|  |  |
| --- | --- |
| Issue | Resolution |
| 2025.01.05  Switching the pulpit (and period)  Line “out\_isbusy := global[t1][Zajecia].isBusy;” is executed before “convertGrid.setupGrid (conPeriod.text, BViewByWeek.Down, TabViewType.TabIndex, CrossFilter.text, colCnt, rowCnt);” is executed resulting in error “range check error”. | Line “grid.Visible := false;” was added in “procedure TFMain.deepRefreshDelayed;”.  This line blocks any references to cache since cache may not be in in stable state. |