Plansoft.org – source code

2025.01.11 Maciej Szymczak

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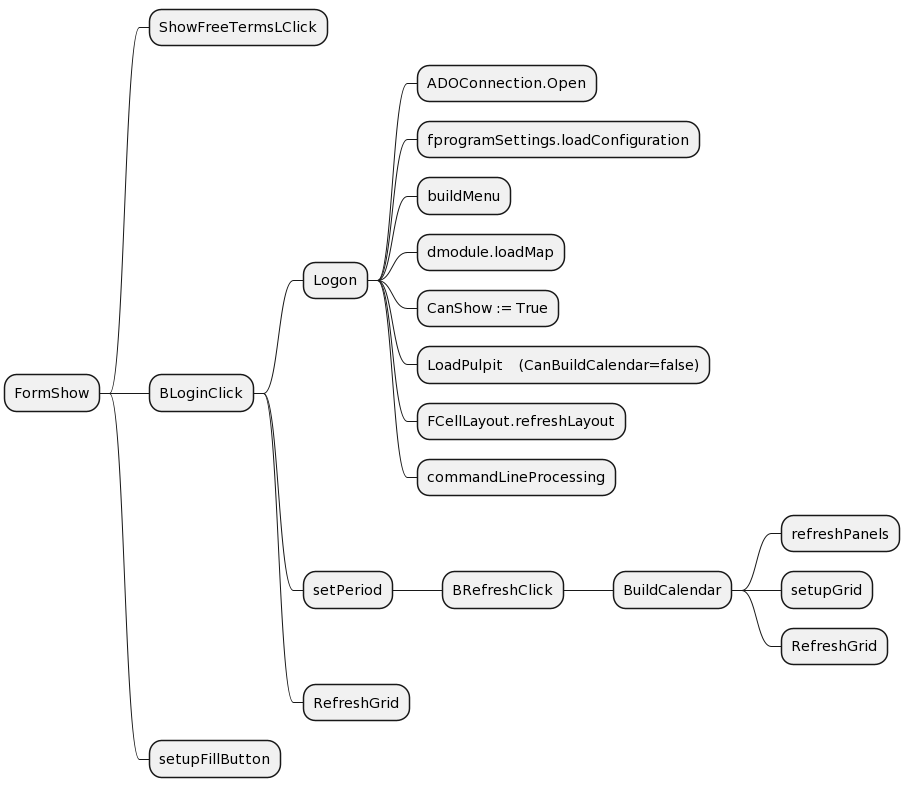
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## Events

### 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.

# Progress bar

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

# Changes History

select operation\_flag, to\_char(effective\_start\_date,'yyyy-mm-dd hh24:mi:ss') operation\_date, effective\_end\_date, created\_by, last\_updated\_by, day, hour, calc\_lecturers, calc\_groups, calc\_rooms, sub\_id, for\_id from **classes\_history**

order by effective\_start\_date desc

# 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. |