Contents

KinderSurprise

Date of Create: 28.01.2011
Date of last Update: 04.02.2011
Author: Enrico Gallus

Supposed to be a web-based c# application used to save and organize a kindersurprise collection.

0.1 Aim

- web based application
- using database to save information
- platform independent
- user-specific acces to the data
- provide a simple system to show information of categories, series and figures
- make every item editable, deletable and addable
- every serie and figure should consist of a store
- import/export functionality for all the data
- support images for series and figures
- has ebay-interface to sell figures/series

0.2 Developing Tools

I used to work under Debian Testing (Squeeze), using the following Repository for Mono: "deb http://debian.meebey.net/pkg-mono /"

- MonoDevelop v2.4
- Mono-Framework
- NHibernate v2.1.2.4000
- FluentNHibernate v1.1
- MySql v5.1
- NUnit v2.4.7
- Moq $v4.0.10827$
- NhLambdaExtensions $v1.0.10.0$
- structuremap $v2.6.1$
- rabbitvcs-nautilus

0.3 Patterns

- MVP
- Dependency Injection
- N-Tier
- TDD

0.4 Installation

0.4.1 Preparation

Install the compontents mentioned in the Section ¨Developing Tools¨.

0.4.2 VCS

Get the Source Code from the project via Berlios. I recommend the rabbitvcs-nautilus package from the distribution. Handling vcs can't be easier and you can handle everything over nautilus.

0.4.3 Setup Database

The first step is to set up the database and testdatabase with MySql. Please create an user for your mysql instance and create a database named "kindersurprise" and "testkindersurprise". Afterwards open the projectdir and change to the script folder. In there you will find all scripts necessary for the database structure. The name is organised as date followed by the function. Please execute the containing scripts for both databases in chronological order. If no errors occured and the structure was created on both databases, than please also execute the testscripts in the test database.

0.4.4 Setup Database Connection

Please open the project with MonoDevelop. Use the sln-file in the projectDir to open the solution. You have to edit the WebTest.config file in the following projects

- KinderSurprise.DAL.Test
- KinderSurprise.MVP.Model.Test
- KinderSurprise.MVP.Presenter.Test

Customize the KinderSurpriseConnection String. Set the database name to "testkindersurprise" if you used the name for the testdatabase. Also change the ID to the user you have created in the step before. Change the password.

Also edit the Web.Config in the KinderSurprise.MVP.View subproject and make the same changes but instead of using the testdatabase use "kindersurprise".

0.4.5 Last Step

To verify if everything works well, please execute the unittests defined in the the three test projects. Compile the project and try to start. If any problem or error occure, please don't hesitate to contact me.

0.5 Using .net under Visual Studio

If you rather would use visual studio under windows than to use the mono framework, you have to change to modify some parts of the project. After open the solution file of the project the ui-project will maybe not be loaded correctly. If this error occured than you have to modify the solution file of the $KinderSurprise.MVP.View$ project like described in the file $windows_changes.txt$. Please comment out the part existing in the $windows_changes.txt$ in the solution file of the $KinderSurprise.MVP.View$. And copy the $windows_changes.txt$ content in the soltution file. Afterwards reload the project.
On the other side the $Nunit.framework.dll$ does not belong to the lib order. Mono is using the class directly from the system. So the references under visual studio are not correct. Delete all incorrect references to the dll in all the test projects. Copy the Nunit.Framework.dll to the lib directory and reference in the test-projects this libary.

0.6 Workflows

0.6.1 Working with the database

If you make changes to the database, please save all the commands to a script which can be added to the script-folder. So other developer has it as easy as you, to setup the project. No need to mention the filename-specification!?

0.6.2 Submitting of Code changes

If you want to commit any changes. Please be sure there are no broken unittests. I'm still looking for a codecoverage tool under linux which works with c#. If you have any proposal, so please let me know. If there are more developer, maybe we can think about using continous integration.