MASARYKOVA UNIVERZITA
Fakulta informatiky

ZADÁNÍ BAKALÁŘSKÉ PRÁCE

Student: Dávid Urbančok

Program: Aplikovaná informatika

Obor: Aplikovaná informatika

Specializace: Bez specializace

Garant oboru: prof. RNDr. Jiří Barnat, Ph.D. (BcAP)

Vedoucí práce: Bruno Rossi, PhD

Konzultant: Mgr. Michal Pietrik

Katedra: Katedra počítačových systémů a komunikací

Název práce: Working with Complex SQL Queries in Unit Tests

Název práce anglicky: Working with Complex SQL Queries in Unit Tests

Zadání: The aim of this thesis is to analyze and extend the existing support of faking Info and InfoProvider objects in unit tests with complex SQL queries. The result will be a working prototype and the analysis of saved time by rewriting integration tests to unit tests.
Assignment:

- Familiarize with the current implementation of chosen mocked objects (Info and InfoProvider) in automated tests in Kentico CMS.
- Analyze its insufficiency and options of extension to unit tests with complex SQL queries.
- Propose a suitable prototype and method of rewriting integration tests to unit tests.
- Implement this prototype in Kentico CMS.
- Compare this prototype with the original solution and measure the performance improvement.
- Suggest other solutions and extensions in the future.

Technologies Used: C#, ASP.NET, NUnit
Tools: Microsoft Visual Studio, TFS

Zadání bylo schváleno prostřednictvím IS MU.