UCL DEPARTMENT OF COMPUTER SCIENCE

Wolfgang Emmerich, Dr rer-nat, CEng, MIEE
Professor of Distributed Computing
Director of Research

GS04: Tools and Environments

Lab Session 8: httpunit

The aim of this lab session is to gain experience with unit testing tools for web applications. We will be exploring the use of httpunit that implements abstractions to use the http protocol.

We will unit test an application to process UCAS forms (with which undergraduate students can apply to university). The application is available at http://pizza.cs.ucl.ac.uk:8082/gz04CW/UcasApply.jsp. Review the HTML source code of this page as your tests will need to make references to it.

Setup

Check out the trunk configuration of Project WebTest from our subversion repository. httpunit and all libraries it depends on are included in the project directory. Moreover, the project contains already two unit test cases that you can use to understand how httpunit is used.

Writing Web Unit Tests

Now write a number of further unit tests that test the following:
- Duplicate applications are rejected
- Applications with incomplete personal details are rejected
- Applications that do not determine a password are rejected
- Applications without A-level subjects are rejected

Executing Web Unit Tests with ant

Write a build.xml file that executes all web unit tests and creates a web report.

University College London Gower Street London WC1E 6BT
Tel: +44 (0)20 7679 4413 (Direct Dial) Fax: +44 (0)20 7387 1397
www.cs.ucl.ac.uk/staff/W.Emmerich
w.emmerich@cs.ucl.ac.uk