Can repositories be fun?

Thinking about…
Repositories

Patrick Danowski
Disclaimer

• Our repository is not better

• We just started to think about

• development resources are always a problem
Outline

- Digital Services at IST Austria
- Usability vs User Experience (UX)
- IST Austria PubRep
- Where are the problems?
- What can be done to be more fun?
Projects

- Open Source Link Resolver (DoctorDoc)
- Publication Database (bibapp)
- Library Thing as Catalog
- Repository (EPrints)
- Start of Data Repository Project
- Improvement Publication Database
- Open Source ILLS (Koha) Start of Data Repository

Year:
- 2010
- 2011
- 2012
- 2013
- 2014
Usability vs User Experience (UX)

• Usability is the ease of use and learnability of a human-made object.

• User experience (UX) involves a person's behaviors, attitudes, and emotions about using a particular product, system or service.
““At IST Austria we support the self-archiving of scientific work and encourage publishing in Open Access journals, in order to make the results of our research accessible to the broadest possible audience.”

Professor Thomas A. Henzinger, President of IST Austria
IST Austria OA Policy

IST Austria is committed to provide unrestricted and cost-free online access to scientific publications for all users and researchers as widely as possible.

The main goal is to increase the visibility, use, and impact of research output, and hereby generate added value for the scientific community.
Green Road

- Self-archiving of already published papers
- deposit should be done by scientists
IST Austria PubRep

- Repository
- Based on EPrints
- little customization
- minimal usage
- mainly used for technical reports
Compositional Specifications for IOCO Testing: Technical Report


This is the latest version of this item.

Text
main_tr.pdf - Published Version [IST-2014-148-v2+1]
Download (336Kb)

Abstract

Model-based testing is a promising technology for black-box software and hardware testing, in which test cases are generated automatically from high-level specifications. Nowadays, systems typically consist of multiple interacting components and, due to their complexity, testing presents a considerable portion of the effort and cost in the design process. Exploiting the compositional structure of system specifications can considerably reduce the effort in model-based testing. Moreover, inferring properties about the system from testing its individual components allows the designer to reduce the amount of integration testing. In this paper, we study compositional properties of the IOCO-testing theory. We propose a new approach to composition and hiding operations, inspired by contract-based design and interface theories. These operations preserve behaviors that are compatible under composition and hiding, and prune away incompatible ones. The resulting specification characterizes the input sequences for which the unit testing of components is sufficient to infer the correctness of component integration without the need for further tests. We provide a methodology that uses these results to minimize integration testing effort, but also to detect potential weaknesses in specifications. While we focus on asynchronous models and the IOCO conformance relation, the resulting methodology can be applied to a broader class of systems.

Item Type: Monograph (Technical Report)
Subjects: Q Science > QA Mathematics > QA75 Electronic computers. Computer science
Research Group: Henzinger Group
Depositing User: Przemyslaw Daca
Date Deposited: 28 Jan 2014 10:35
Last Modified: 14 May 2014 08:34
URI: http://repository.ist.ac.at/id/eprint/152
Where are the problems?
“Our best friend can be our users biggest foe.”

–Librarian
MetaData
Impressions ....
Repository

Research Gate
Our Answers
(as librarians)
General

- Full service (ressources ??)
- Having a repository without content (our situation) = Give up (??)
- Improve the system
Possible improvements

- Auto fill data we already know
- Hide optional fields
- Reduce fields (maybe the hardest option)
- Combine minimal data with full service
- Integrate system
- Redesign
Responsive Webdesign

- http://mywebdesignboston.com/sites/default/files/responsive-web-design.png
Integration
Publication Database
http://publist.ist.ac.at
### Archival Analysis: Thomas A. Henzinger

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### Publications

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<td>CONCUR: Concurrency Theory</td>
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Why 2 Services?

Publication Database
Metadata of publications

Open Access Publications

Repository
Fulltext incl. technical reports, gray literature
Further Integration

• Publication lists for
  • Reports Grants
  • CV Homepage
  • Selected Publication at webpage
• Citation Data
Conclusions

• Out of the box repositories not satisfy the users
• A modern design is more important than we think
• Best Metadata vs best User experience
• Development should focus on the user
• Integration generated value for users
Questions?
Comments?

The best repository is……
a used repository!

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