COMP 3311
Database Management Systems

Lab 8

Task 3 Screenshots

Author: Create Submission

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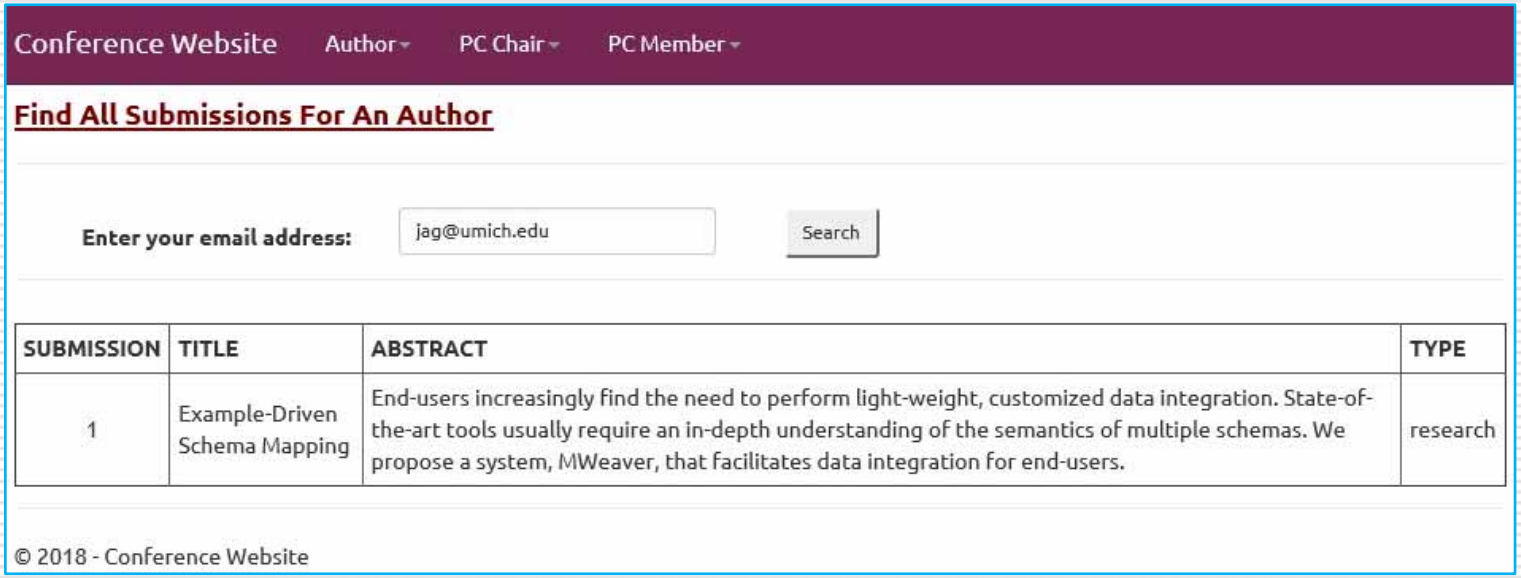

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Submission: 1 Search

Title: Example-Driven Schema Mapping

Abstract: End-users increasingly find the need to perform light-weight, customized data integration. State-of-the-art tools usually require an in-depth understanding of the semantics of multiple schemas. We propose a system, MWeaver, that facilitates data integration for end-users.

Submission type: research

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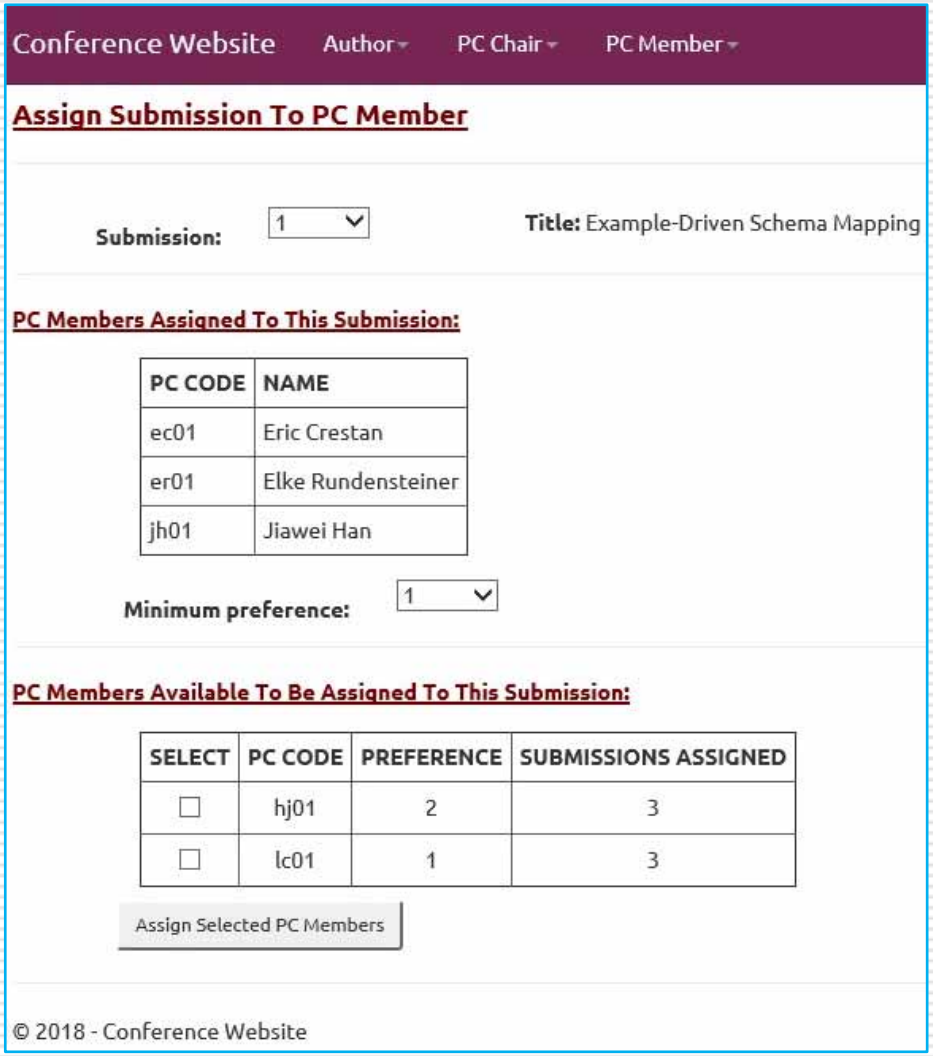

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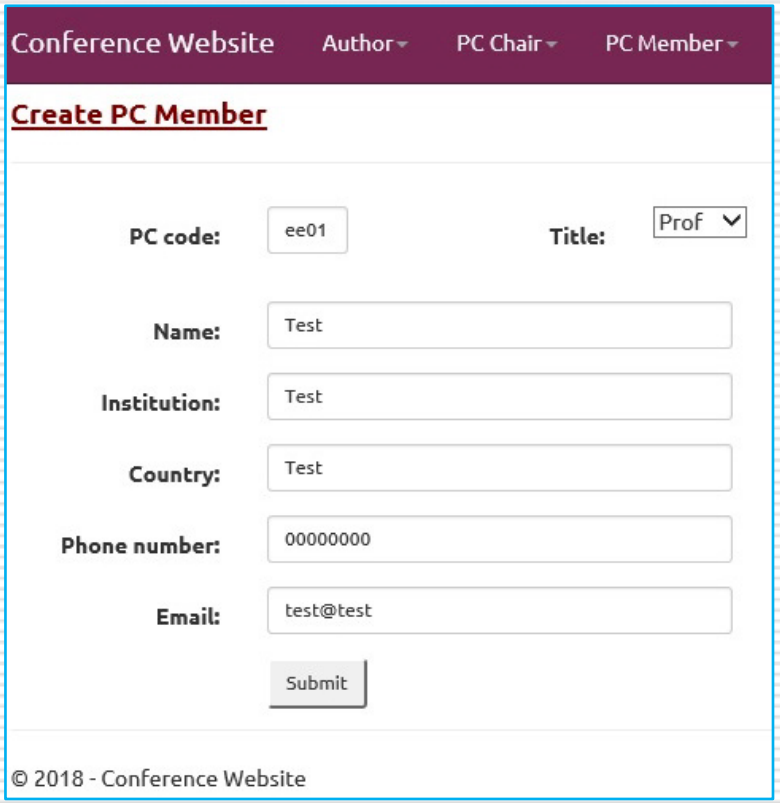

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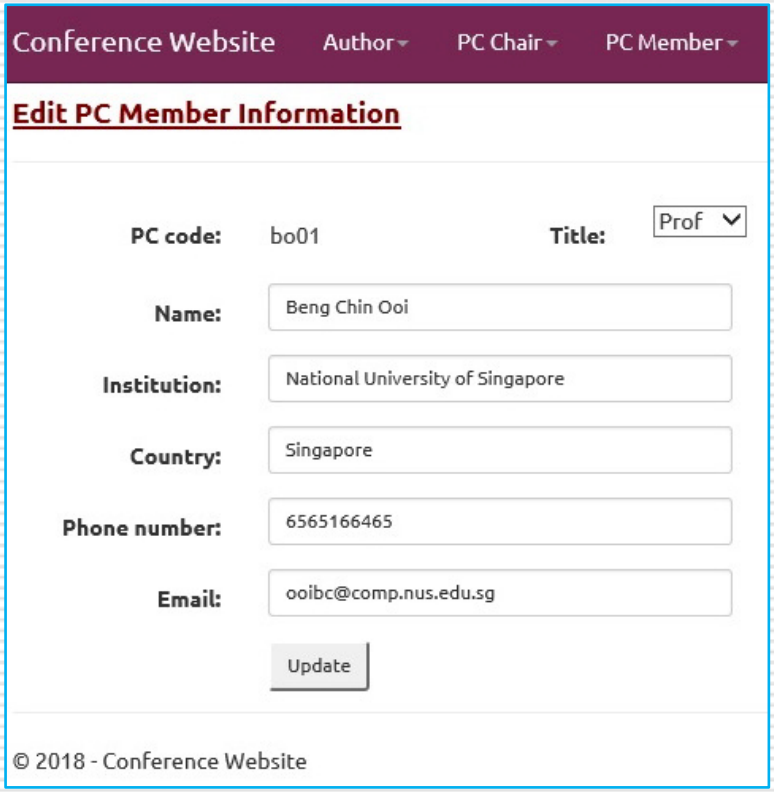
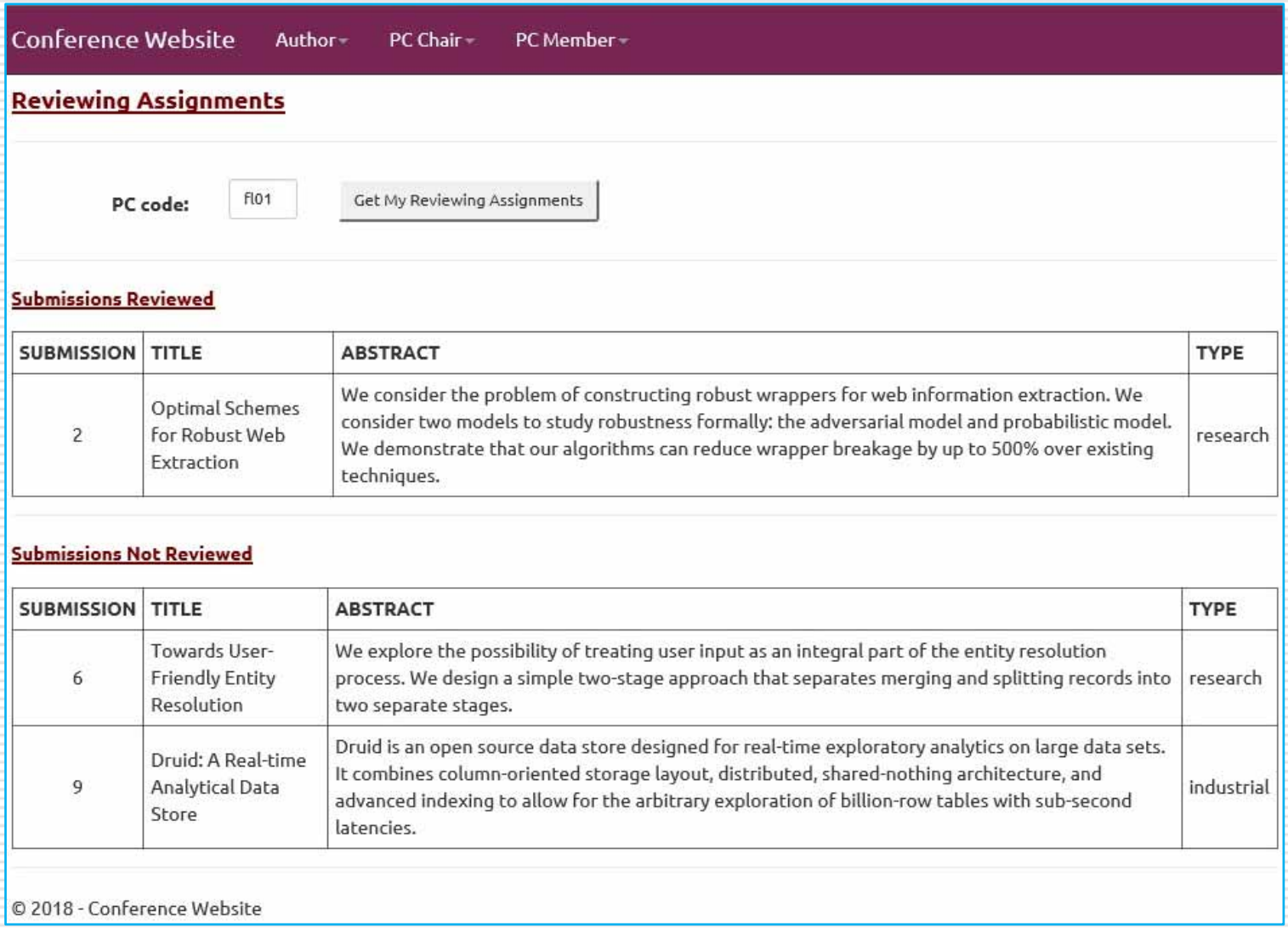


PC Member: Create Referee Report

PC Member: Display Referee Report

PC Member: Display Reviewing Status



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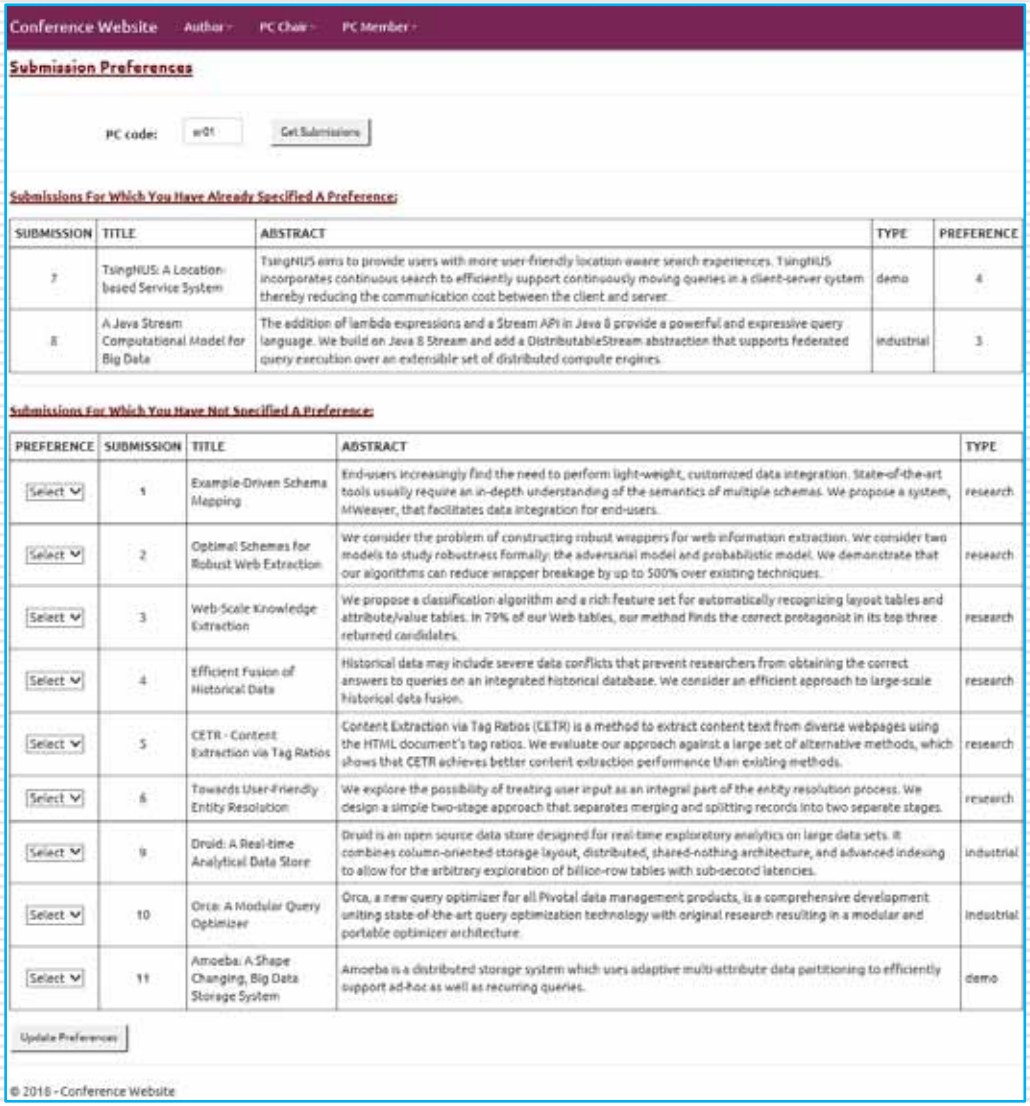

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Submission Preferences

PC code: pc01 Get Submissions

Submissions For Which You Have Already Specified A Preference:

SUBMISSION	TITLE	ABSTRACT	TYPE	PREFERENCE
7	TsingNUS: A Location-based Service System	TsingNUS aims to provide users with more user-friendly location-aware search experiences. TsingNUS incorporates continuous search to efficiently support continuously moving queries in a client-server system thereby reducing the communication cost between the client and server.	demo	4
8	A Java Stream Computational Model for Big Data	The addition of lambda expressions and a Stream API in Java 8 provide a powerful and expressive query language. We build on Java 8 Stream and add a DistributableStream abstraction that supports federated query execution over an extensible set of distributed compute engines.	industrial	3

Submissions For Which You Have Not Specified A Preference:

PREFERENCE	SUBMISSION	TITLE	ABSTRACT	TYPE
Select	1	Example-Driven Schema Mapping	End-users increasingly find the need to perform light-weight, customized data integration. State-of-the-art tools usually require an in-depth understanding of the semantics of multiple schemas. We propose a system, MWeaver, that facilitates data integration for end-users.	research
Select	2	Optimal Schemes for Robust Web Extraction	We consider the problem of constructing robust wrappers for web information extraction. We consider two models to study robustness formally: the adversarial model and probabilistic model. We demonstrate that our algorithms can reduce wrapper breakage by up to 500% over existing techniques.	research
Select	3	Web-Scale Knowledge Extraction	We propose a classification algorithm and a rich feature set for automatically recognizing layout tables and attribute/value tables. In 79% of our Web tables, our method finds the correct protagonist in its top three returned candidates.	research
Select	4	Efficient Fusion of Historical Data	Historical data may include severe data conflicts that prevent researchers from obtaining the correct answers to queries on an integrated historical database. We consider an efficient approach to large-scale historical data fusion.	research
Select	5	CETR - Content Extraction via Tag Ratios	Content Extraction via Tag Ratios (CETR) is a method to extract content text from diverse webpages using the HTML document's tag ratios. We evaluate our approach against a large set of alternative methods, which shows that CETR achieves better content extraction performance than existing methods.	research
Select	6	Towards User-Friendly Entity Resolution	We explore the possibility of treating user input as an integral part of the entity resolution process. We design a simple two-stage approach that separates merging and splitting records into two separate stages.	research
Select	9	Druid: A Real-time Analytical Data Store	Druid is an open source data store designed for real-time exploratory analytics on large data sets. It combines column-oriented storage layout, distributed, shared-nothing architecture, and advanced indexing to allow for the arbitrary exploration of billion-row tables with sub-second latencies.	industrial
Select	10	Orca: A Modular Query Optimizer	Orca, a new query optimizer for all Pivotal data management products, is a comprehensive development uniting state-of-the-art query optimization technology with original research resulting in a modular and portable optimizer architecture.	industrial
Select	11	Amoeba: A Shape Changing, Big Data Storage System	Amoeba is a distributed storage system which uses adaptive multi-attribute data partitioning to efficiently support ad-hoc as well as recurring queries.	demo

Update Preferences

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