Assignment 1: Software Requirements Specification and Technology Neutral Process Design COS 301 Team Alpha Project Version 1.0

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https://github.com/AvinashSingh786/COS301-Alpha.git

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3	Background
4	Architecture Requirements
4.1	Access Channel Requirements
4.2	2 Quality Requirements
	• performance
	• security
	• maintainability
	• scalability
	•
	• flexibility
	• reliability
	•
	•
	•
	•
4.3	Integration Requirements
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	•
	•
	•
4.4	Architecture Constraints
	HTML (Hypertext Markup Language)
	• AJAX (Asynchronous JavaScript and XML)

• JavaEE (Java Platform Enterprise Edition)

Introduction

Vision

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5 Functional Requirements and Application Design

- 5.1 Use Case Prioritization
- 5.2 Use Case/Services Contracts
- 5.3 Required Functionality
- 5.3.1 User-Research System interaction

Description: The type of user indicates what privileges that user has in the Research system

Normal-user

- A normal user login to the system if on the system
- A normal user may add documents to the system
- A normal user is as an author to a document that they add
- A normal user may add authors to a document
- A normal user may change authors to a document
- A normal user may add a document to a conference
- A normal user may only view their documents

Head of Department

- The head of department may log in to the system
- The head of department may add users to the system
- The head of department may remove users from the system
- The head of department may edit user information on the system
- $\bullet\,$ The head of department may add documents to the system
- $\bullet\,$ The head of department may be an author to a document
- The head of department may add authors to a document
- The head of department may change authors to a document
- The head of department may add/remove documents to conferences
- The head of department may view all documents on the system

Admin

- Admin users may log in to the system
- Admin users may add users to the system
- Admin users may remove users from the system
- Admin users may edit user information on the system
- Admin users may add documents to the system
- Admin users may not be an author to documents to the system
- Admin users may add authors to a document
- Admin users may change authors to a document
- Admin users may add/remove documents to conferences
- Admin users may view all documents on the system

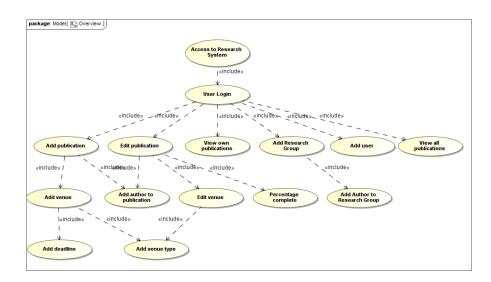


Figure 1: Functional Requirements: Overview of Research System

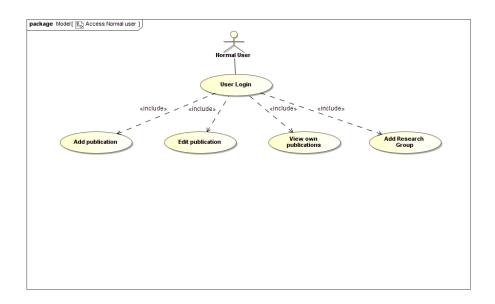


Figure 2: Functional Requirements: Normal user access privileges

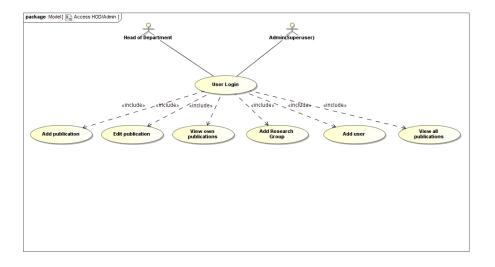


Figure 3: Functional Requirements: Superuser (HOD and admin) access privileges $\,$

- 5.4 Process Specification
- 5.5 Domain Model
- 6 Open Issues