

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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1 Introduction

2 Vision

3 Background

4 Architecture Requirements

4.1 Access Channel Requirements

4.2 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)
-
-

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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

5.4 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
- The head of department may add documents to the system
- 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

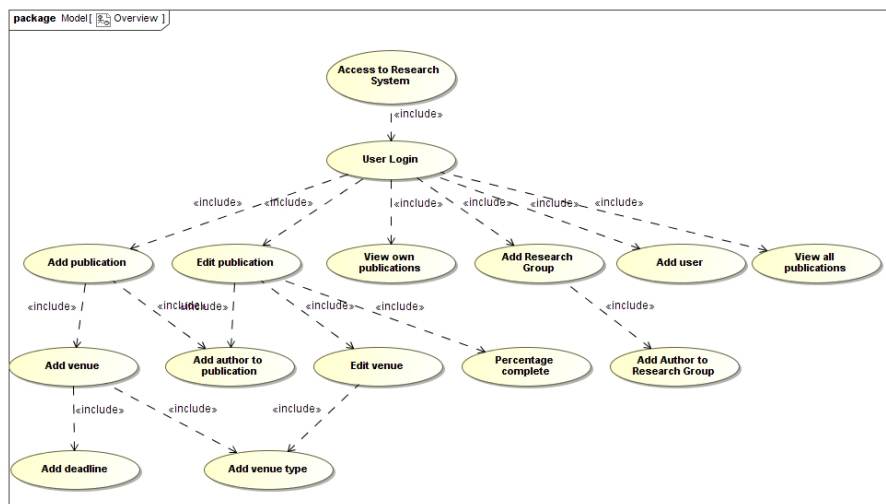


Figure 1: Functional Requirements: Overview of Research System

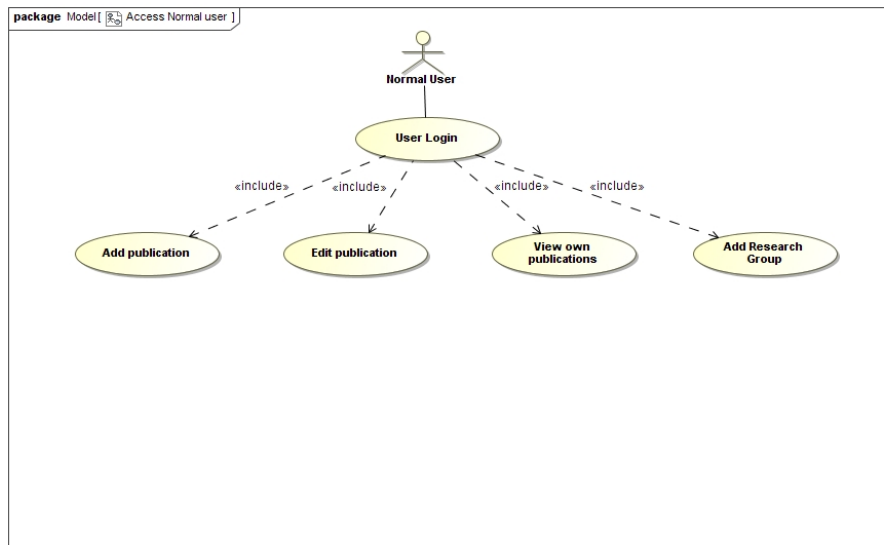


Figure 2: Functional Requirements: Normal user access privileges

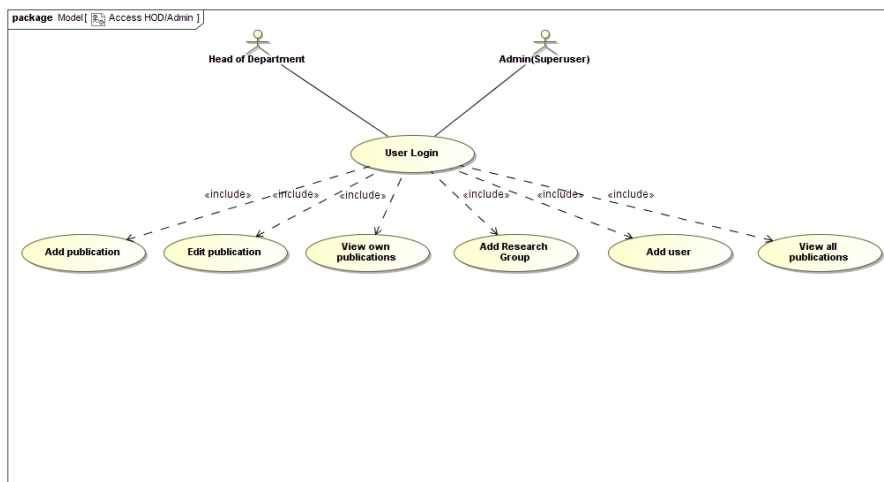


Figure 3: Functional Requirements: Superuser(HOD and admin) access privileges

5.5 Process Specification

5.6 Domain Model

6 Open Issues