SWD-LB ITS PROJECT

IST-Library – Management System

Informationstechnik und System-Management / Wirtschaftsinformatik

Fachhochschule Salzburg GmbH

vorgelegt von

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1 Project Description

1.1 Project Setting

1.1.1 Current situation

We are a public library and we want to establish a new library management solution for improved handling of our library.

1.1.2 Project goals

- Usability
- Availability
- Comprehensive digital handling of media
- Account handling

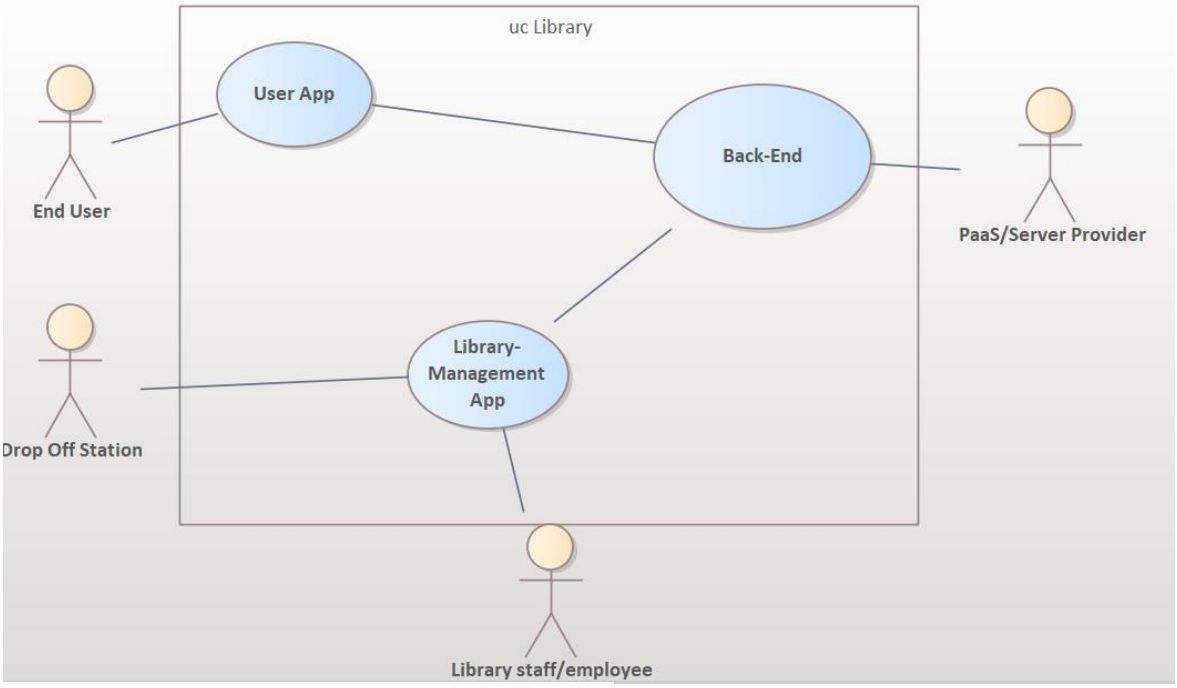
1.1.3 Non Project goals

- Physical handling of media
- Digitalization of media

1.1.4 List of Stakeholder

- Library/ Library-staff
    - The main interest of the staff are easy handling of the application. Handling of media should be made very user friendly, even for unschooled users.
- Drop-off Station
    - The Drop Off station hast interest in a good and reliable connection to the main library, so returned media can be registered. Another interest ist easy maintainability and serviceability.
- User
    - The main interest of the users are ease of use, broad functionality and secure data and payment processing.
- Server/Plattform-Provider
    - Its in the Providers interest to host a good implemented application, which is optimized for CPU consumption and handles client connections well.

1.2 Context Diagram



1.3 Requirements

1.3.1 Functional requirements

- Handling of Media
    - Loan/ (cancel-)reserve/ return/ creation/ view/ store
- Billing
- Account handling
- Media
- Handling of drop-off station

1.3.2 Non-functional requirements

1.3.2.1 Quality requirements

- Usability
- Scalability
- Security
- Reliability
- Maintainability

1.3.2.2 Constraints

- Each Media is marked as a specific category
- Each media has a unique ID

2 System Behaviour

2.1 Use Case Diagram

2.2 Use Case 1 xxx

2.2.1 Use Case Description

2.2.2 Activity Diagram

2.3 Use Case 2 xxx

2.3.1 Use Case Description

2.3.2 Activity Diagram