

SOFTWARE REQUIREMENTS SPECIFICATION

University Conference Center System

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Revision History

Name	Date	Reason for Change	Version
Danko, Steven	10/30/23	Initial Creation	0.01

1. Introduction

1.1 Purpose

The purpose of this document is to provide an outline of the University Conference Center System, its purpose, functions, and requirements. The University Conference Center System is intended to be a complete system on its own with the purpose of creating a system for the automated creation and organization of conferences for a university conference center. Once finalized, this document will state what must be accomplished for the application to be considered finished.

1.2 Document Conventions

There are no special standards or conventions used in the current version of this document.

1.3 Intended Audience and Reading Suggestions

The intended audience for this document are the developers of the University Conference Center System, its users and any other unnamed stakeholders. This document contains an outline of the purpose, functions, and requirements of the University Conference Center System (UCCS). It is suggested that readers new to the UCCS first read sections two and three, with the intent of understanding the project's scope and the intended functionality of the system, before proceeding to the system requirements if necessary. Those already familiar with the UCCS may skip section two.

1.4 Product Scope

The University Conference Center System is a system created with the intent of automating the creations and organization of conferences at a university conference center.

The UCCS system is to automate the creations of conference events and maintain a schedule for these events, including the booking of rooms and equipment, the registration of guest for created events, and the tracking of all cost and expenses of the events. The system should be usable by administration staff to set up new conference event and manage existing event, by 'front-desk' employees and other customer service staff to register guest attendees, and by maintenance and service staff to manage out-of-order rooms and equipment. The system must be easily usable by all intended staff and should be relatively easy to train new staff on the system. This system's goal is to provide tools for which staff can more effectively and efficiently perform their jobs.

1.5 References

This document does not reference any outside material in its current version.

2. Description

2.1 Product Prospective

The University Conference Center System is a new self-contained system, intended for use by the staff of the University Conference Center.

2.2 Product Features

The University Conference Center System must provide a system for the automated creation and organization of conference events, including: the scheduling of rooms and equipment, the registration of guests, and all associated cost/expenses. The system must additionally keep track of room booking,

equipment reservations and any out-of-order situations that may occur, associated cost and expenses of such, and guest registration and status.

2.3 User Classes and Characteristics

There are three user classes: the first should be made up of administrative staff whose duties are to create conference events and decide which rooms and equipment are to be used, the second group should be 'front-desk' or customer service staff whose duties are to register and book guest, the final group should consist of maintenance and support staff who should handle any out-of-order situations.

2.4 Operating Environment

The software runs exclusively on Windows environments, some .NET runtime packages may be required if not already installed. The program will provide the user with links to install these packages if not already present.

2.5 Design and Implementation Constraints

The primary constraint was time, as a result, aspects of the backend and frontend are unfinished. Because of the incomplete state and time constraints, the two pieces of software are not interfaces with each other.

2.6 User Documentation

A README file is provided for an explanation on how to run the program.

2.7 Assumptions and Dependencies

As previously stated, it is assumed the user is running a Windows environment, with a .NET runtime package potentially needing to be installed.

3. System Features

3.1 Guest Management

3.1.1

This feature allows guests to check in for an event at UCC and view the event schedule.

High Priority

3.1.2

- Guests check in by providing their registration information
- Guests view the schedule of conferences

3.1.3

REQ-1: The system shall provide a user-friendly interface for guests to check in by entering their registration details

REQ-2: The system shall display the schedule of conferences for the event

3.2 Event Planner Functions

3.2.1

This feature provides event planners with various functionalities.

High Priority

3.2.2

- Event planners can view the cost of hosting an event at UCC
- Event planners can apply for hosting an event at UCC
- Event planners can view the schedule of conferences
- Event planners can cancel an event at UCC

3.2.3

REQ-1: The system shall provide event planners with the capability to view the schedule of conferences

REQ-2: The system shall display the cost of hosting an event at UCC based on the selected options

REQ-3: The system shall allow event planners to submit an application for hosting an event at UCC

REQ-4: The system shall enable event planners to cancel a scheduled event at UCC

3.3 UCC Employee Functions

3.3.1

This feature provides UCC employees with various functionalities.

High Priority

3.3.2

- UCC employees can view the schedule of conferences
- UCC employees can schedule and enter events into UCCS
- UCC employees can cancel an event at UCC
- UCC employees can view the cost of hosting an event at UCC

3.3.3

REQ-1: The system shall provide UCC employees with the ability to view the schedule of conferences

REQ-2: The system shall display the cost of hosting an event at UCC based on selected options

REQ-3: The system shall allow UCC employees to cancel a scheduled event at UCC

REQ-4: The system shall allow UCC employees to schedule and enter event details into UCCS

3.4 UCC Maintenance Functions

3.4.1

This feature enables event planners to request maintenance and assistance.

High Priority

3.4.2

- Event planners can order new presentation equipment

- Event planners can request assistance with presentation equipment
- Event planners can schedule conference room maintenance
- Event planners can report conference room maintenance issues
- Event planners can report damaged or broken presentation equipment
- Event planners can file maintenance complaints

3.4.3

REQ-1: The system shall allow event planners to file maintenance complaints, including details of the issue

REQ-2: The system shall enable event planners to request assistance with presentation equipment, specifying their requirements

REQ-3: The system shall allow event planners to report damaged or broken presentation equipment, providing necessary information

REQ-4: The system shall enable event planners to report conference room maintenance issues, describing the problem

REQ-5: The system shall allow event planners to order new presentation equipment, specifying their requirements

REQ-6: The system shall enable event planners to schedule conference room maintenance, specifying the date and time

4. Interface Requirements

4.1 User Interfaces

4.2 Hardware Interfaces

4.3 Software Interfaces

4.4 Communication Interfaces

5. Other Nonfunctional Requirements

5.1 Performance Requirements

5.2 Safety Requirements

5.3 Security Requirements

5.4 Software Quality Requirements

5.5 Business Rules