**Software Requirements**

**Specification**

**For**

**Meeting Room**

**Booking System**

**(MRBS)**

**Version 0.2**

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Name | Date | Reason for Changes |
| 0.1 | Tam Do | Jun 16, 2012 | Template |
| 0.2 | Tam Do | Jun 16, 2012 | Draft |
| 0.3 | Huy Son | Jun 16, 2012 |  |

1. **Introduction**
   1. **Purpose**

The SRS document created by the team 11 provides both the functional and non-functional requirements of the Meeting Room Booking System (MRBS). This document includes definitions, specifications, and other information that will be helpful for the customer and for the team 11 to have a clear understanding of the system to be developed.

From this document, the customer will be able to understand our team’s comprehension of the requirements. This document can be updated or revised when required by the customer as we consider our customer’s demands important for our project. This document will evolve according to the requirement.

* 1. **Scope**

MRBS will help the faculty officer manages the meeting room, statistic and report for IT faculty department, use for one branch, one computer and use bar code.

*(Hệthống MRBS đượcpháttriểndựatrên window app, giúpnhânviênquảnlýphòng (faculty officer) quảnlýviệcchomượncácphònghọp, thốngkêbáocáotìnhtrạngsựdụngcácphòngchokhoacôngnghệthông tin trườngđạihọcVăn Lang, sửdụngcho 1 cơsở, 1 máyduynhấtvàcósửdụngmáyquétmãvạch)*

* 1. **Definitions, acronyms, and abbreviations**
     1. **Definitions**

|  |  |
| --- | --- |
| Term | Definition |
|  |  |

* + 1. **Acronyms**

|  |  |
| --- | --- |
| Acronyms | Abbreviations |
| SRS | Software Requirement Specification |
| GUI | Graphical User Interface |
| CMU | Carnegie Mellon University |
| FC | Function |
| FT | Feature |

* 1. **References**

**HPIMS\_SRS v1.03 CMU**

* 1. **Overview**

In section 2, the project overview is described. We have also given information on what and how we will handle the project.

In section 3, the detailed functional and non-functional requirement is described in a way that no ambiguous aspects are left.

1. **Overall Description**
   1. **Product Feature**

MRBS consists of three functional parts. User Management, Functional Operation and Categories: This program also provides Graphical User Interface (GUI) for the user. The three major functions are as follows:

* User Management: *(Kiểmtratrùnglặptàikhoảnđăngnhập, phânquyềntruycậpđốivớitàikhoảnngườidùng, import file từ Excel file (\*.xls) …)*
* Functional Operation: *(Hỗtrợchínhchoviệcthaotácmượnphòng, xembáocáo, …)*
* Categories:*(Danhmục …)*
  1. **User Classes and Characteristics**

There is only one type of user: the faculty officer.

* 1. **Operating Environment**

The target system is a standalone application in a PC environment on Microsoft Windows XP, 7 with Microsoft SQL Server 2008.

The system will be developed using platform-independent C# language.

1. **Specific Requirement**
   1. **External Interface Requirements**
      1. **User Interfaces**

This user interface is prototype made after discussion among team 11. This will help the client to see the user interface of our final program artifact in this project. The contents and appearance can be changed or refined based on the user’s requirement and technical constraints.

* + - 1. **User Interfaces architecture**

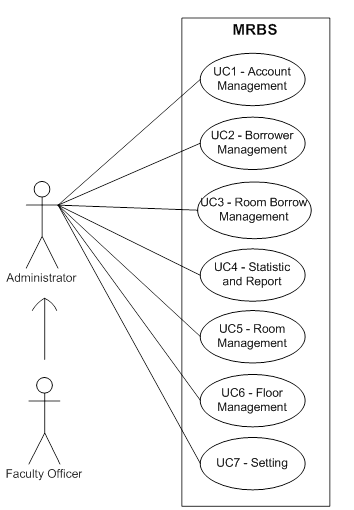
This is the overall architecture of MRBS prototypical user interface. The user interface is divided into three, mainly based on the functions of MRBS.



* + - 1. **User Management**
      2. **Functional Operation**
      3. **Categories**
  1. **System Features**

|  |  |  |
| --- | --- | --- |
| Feature | Function | Description |
| FC1 – Account Management | FT1.1 – Create | Support customers to create user accounts for system . |
| FT1.2 – View | Show and display list of user accounts and detail information. |
| FT1.3 – Edit user account | Function help users can change, or update user account information. |
| FT1.6 – Delete | Function help users delete an user account record. |
| FT1.7 – Sign In | Basic function help program control users permission and system operation. |
| FT1.8 – Sign Out | Basic function help program control user permission and system operation. |
| FT1.9 – Change password | Function help users can change their password. |
|  |  |
| FC2 – Borrower Management | FT2.1 – Create borrower | Help users to create borrower record in system. |
| FT2.2 – View | Show and display list of borrowers detail information. |
| FT2.3 – Edit | Function help users can change, or update borrower information. |
| FT2.4 – Search | Help users can find borrower record better. |
| FT2.5 – Import excel file | Help users import a list of borrower. |
| FT2.6 – Delete | Function help users delete a borrower record. |
| FC3 – Room Borrow Management | FT3.1 – Register | Function helps users write a memorandum of understanding (MOU) with the borrower to borrow a room |
| FT3.2 – Check In | Function helps users confirm that borrower has got the room. |
| FT3.3 – Check Out | Function helps users confirm that borrower has returned the room. |
| FT3.4 – Change deal | Function helps users change room or time in memorandum of understanding (MOU) with the borrower. |
| FT3.5 – Approve/Reject |  |
| FT3.6 – Search | Function helps users find the rooms |
| FT3.7 – Cancel room deal | Function helps users confirm that borrower has cancel the room. |
| FT3.8 – View room information | Function helps users can see booking room information. |
| FC4 – Statistic and Report | FT4.1 – Export report | Function help users export report |
| FT4.2 – Log records | System will use function to write log during operation |
| FT4.3 – Statistic |  |
| FC5 – Room Management | FT5.1 – Create |  |
| FT5.2 – View |  |
| FT5.3 – Edit |  |
| FT5.4 – Search |  |
| FT5.5 – Delete room |  |
| FC6 – Floor Management | FT6.1 – Create |  |
| FT6.2 – View |  |
| FT6.3 – Edit |  |
| FT6.5 – Delete floor |  |
|  |  |
| FC7 – Setting | FT7.1 – Priority |  |
| FT7.2 - Email |  |

* + 1. **Use case and Domain Object Model**



|  |  |  |
| --- | --- | --- |
| Use Case ID | Use Cases | Primary Actor |
|  |  |  |
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|  |  |  |
|  |  |  |

* 1. **Software Quality Attributes**
     1. **Performance Requirements**
     2. **Usability Requirements**
     3. **Other Requirements**