**Software Requirements**

**Specification**

**For**

**Borrowing Books At The Library**

**International Credit Transfer Program (DNUI – ITB STIKOM)**

**Prepared by Confused Youth Team**

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# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

1. Introduction
   1. Purpose

The book lending system was developed to speed up the process of borrowing and returning books, thus providing an efficient and comfortable experience for library members. This document will explain the function of Book Lending System to make the readers understand it clearly.

* 1. Intended Audience and Reading Suggestion
* Tester
* Developer
* Users

**Reading Suggestion :**

It is suggested that you need to understand some design patterns to understand the software more clearly.

* 1. Project Scope

This Software was created to speed up the process of borrowing and returning books, thus providing an efficient and comfortable experience for library members.It is more suitable to use this software individually.

* 1. References
* **Smith, J. (2022). Library Management System. GitHub Repository.**

1. Overall Description
   1. Product Perspective

This software was built to help librarians manage the book lending system. The basic function of this system is to add book data, add member data, add borrowing and returning book data.

* 1. Product Features
     1. The system can add book data, add member data, add borrowing and returning book data.
     2. The system searches for book data.
     3. The system based on Console to operate
  2. User classes and Characteristic
     1. User

The User can operate the system by running it. Users can select a menu and perform tasks available on the menu.

* 1. Operating Environment
     1. Software Environment

Operating system: any operating system with Java virtual machine

Development Tool : Eclipse IDE

* + 1. Network Environment

This Software dont use a network environtment to operate.

1. System Feature
   1. Choose Menu

Choosing Menu is one of the main feature of Borrowing Book System.

Priority High

* + 1. Stimulus / Responses :

When the user selects an option in the menu, the system will take input and carry out the selected option.

* + 1. Requirement :
       1. When the user choose an option in the menu. The system run according the user input
  1. Addition of Book Data and Member Data

Management of Addition of Book Data and Member Data is also the main feature of this system.

Priority High.

* + 1. Stimulus / Responses :

When the user tries to select Management of Book Data Addition and Member Data. The system will process based on user input.

* + 1. Requirement :
       1. The system informs the user about the book data/member data correctly and enters the next menu.
  1. Borrowing and Returning Books

Borrowing and Returning Books is also a key feature of this system.

High Priority.

Priority High.

* + 1. Stimulus / Responses :

The user selects an option in the menu. The system will perform the process based on user input.

* + 1. Requirement :
       1. The system informs the user about Borrowing and Returning Books correctly.

1. External Interface Requirements
   1. User Interfaces

The system screen display should be interface standards. The system will have a corresponding operations. Interface requirements simple, plain, not dazzling.

* 1. Software Interfaces

Operating system: any operating system with Java virtual machine

Development Tool : Eclipse IDE

* 1. Network Inferfaces

This This Software dont use a network environtment to operate.