Project Delivery Methodology (PDM)

**System Requirements**

**Java Intermediate**

**AmazonLite**

VERSION: 1.0 REVISION DATE: April 10, 2018

Approval of the System Requirements indicates an understanding of the purpose and content described in this deliverable. By signing this deliverable, each individual agrees with the content contained in this deliverable.

|  |  |  |  |
| --- | --- | --- | --- |
| **Approver Name** | **Title** | **Signature** | **Date** |
| Radoslav Radoev | Author | RR | April 10, 2018 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Contents

[Section 1 Purpose 3](#_Toc344847407)

[Section 2 General System Requirements 3](#_Toc344847408)

[2.1 Major System Capabilities 3](#_Toc344847409)

[2.2 Major System Conditions 3](#_Toc344847410)

[2.3 System Interfaces 3](#_Toc344847411)

[2.4 System User Characteristics 3](#_Toc344847412)

[Section 4 Security Requirements 4](#_Toc344847416)

[Section 5 Initial Capacity Requirements 4](#_Toc344847418)

[Section 6 System Acceptance Criteria 5](#_Toc344847420)

[Section 7 Document Revision History 6](#_Toc344847424)

[Section 8 Appendices 6](#_Toc344847425)

# Section 1 Purpose

The purpose of this project is to create an inventory system for a multimedia store such as Amazon (AmazonLite). The system will manage an inventory of CDs, DVDs and books.

# Section 2 General System Requirements

## 2.1 Major System Capabilities

* *Users must be able to search for an existing item*
* *Users must be able to enter new item*
* *Users must be able to edit an existing item*
* *Data must be persistant*

## 2.2 Major System Conditions

*Specify major system assumptions and/or constraints (aka conditions). The conditions may limit the options available to the designer/developer. For example:*

*- Use System.in to read user input and System.out to read user output*

*- User must interact with a test based console*

*- Application must use Scanner class to manage keyboard input*

*- Inventory must be saved in Properties file*

## 2.3 System Interfaces

*An interface that describes the actions the users are allowed to do on an Item.*

|  |
| --- |
| *<<interface>>*  *Actions* |
| + addItem(dataEntry): Boolean  + updateItem(dataEntry): Boolean  + searchItem(dataEntry): ???? |

## 2.4 System User Characteristics

*Identify each type of user of the system by function, location, and type of device. Specify the number of users in each group and the nature of their use of the system.*

# Section 3 Security Requirements

*Each user will have logon with username and password, saved in persistent Properties file.*

# Section 4 Initial Capacity Requirements

Only one user can be logged in at a time.   
 Properties file, containing only a handful of objects.

# Section 5 Initial System Architecture

*Specify the data platform, hardware, software, programming languages, tools and operating system requirements for the application or project.*

1. *Application can run on any platform that is able to run Java JAR applications*
2. *Identify any specialized software requirements that must be purchased or upgraded prior to development, or in support of the implementation, of the application or project.*
3. *Identify any programming languages and tools selected for the development of the application or project.*
4. *Identify any network/operating system or combination of network/operating systems that will be used for the development of the application of project.*

# Section 6 System Acceptance Criteria

* *User can log in with username and password*
* *User can access the inventories of CDs, DVDs and Books*
* *User can add, update, search inventories*
* *User is using console view to perform the above tasks*
* *User cannot delete object from the inventory*

⇒

# Section 7 Document Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Name** | **Description** |
| 1.0 | April 10, 2018 | Radoslav Radoev | Author |
|  |  |  |  |

# Section 8 Appendices