**SOFTWARE REQUIREMENTS SPECIFICATIONS DOCUMENT**

**OF**

**PRODUCT CATALOGUE**

**OF BANKING SYSTEM**

**Table of Contents**

**1. Introduction**....................................................................................................... 4

1.1 Need and Purpose...................................................................................... 4

1.2 Intended Audience..................................................................................... 4

1.3 References.................................................................................................. 5

1.4 Overview of Document.............................................................................. 5

**2. Description**......................................................................................................... 6

2.1 Features and Functions............................................................................. 6

Features.................................................................................................... 6

Functions.................................................................................................. 6

2.2 Users classes and characteristics................................................................ 7

2.3 Operating Environment.............................................................................. 7

2.3.1 Hardware........................................................................................... 7

2.3.2 Software ............................................................................................ 7

**3. Specific Requirements**......................................................................................... 8

3.1 Performance Requirements.............................................................................. 8

3.2 Design Constraints........................................................................................... 8

3.3 Overview of Data Requirements..................................................................... 8

3.4 Additional Comments...................................................................................... 9

***Appendix A***............................................................................................................ 8

1.

1. **Introduction**

***1.1 Need and Purpose***

The need of the present day calls for reforms in our banking system as all major economic transactions have started taking place digitally. The major trends of modern digital transactions is substantiated by use of database management. These databases can be accessed by anyone with specific rights, and perform certain actions on it. The data update is done almost automatically and is much faster.

Users can, in present days can access their accounts directly without going to a bank, making transfers, transactions and accessing cash directly without standing in long queues as was prevalent earlier using ATM machines.

On employee-side the data is much more organized, and accessing and performing actions on user accounts is easier for them. Due to this, the bank has better work efficiency and customer experience improves as well.

The Product Catalogue Module of digital banking system serves the purpose of presenting to the customers the various products and services provided by the bank. One can get a detailed description in the following pages.

***1.2 Intended Audience***

This SRS would be used by the following persons :

*Bank administrators* : They would be using the user interface to perform any updating task .

*Users* : Get The description of the product and services visible through the user interface.

.

***1.3Overview of Document***

The first section of SRS gives a brief introduction on digitalized banking system and the product catalogue module of banking system. This section also provides the reference information for further study, intended audience and need & purpose of the product.

The second section provides an overall description of the application, product features & functions, users and operating environment (hardware, software and external).

The third section is about the specific requirements like external interfaces, performance requirements, design constraints and additional comments.

The Appendix section has definitions of some notations used in the document.

**2. Description**

***2.1 Features and Functions***

***Features***

It is very important for the customers of the bank to have in depth knowledge of all the products and services provided by the bank so that the customer gets what he wants and the bank can also understand the needs easily. ***The Product Catalogue Module Of The Banking System*** can be used by Bank Employees as well as by all the other users to gain the requisite knowledge about the bank’s product and services. It can also be used by bank administrators to make any changes related to the products offered depending upon customer requirement and changing market conditions.

Our Product will mainly deal with , displaying the account details of the products and services offered, updating the details of any product, deleting a dormant product or adding a new product.

All the above functionalities connect to a main database server for storing and retrieving the data of the products.

***Functions and Requirements from the Module:***

1. ***Product Display***: This user interface should be able to provide fields for all the products and services currently provided by the bank and display the description and important information related to the same.
2. ***Admin Interface***: This user interface will be visible only to the bank administrator after validation and can be used by the administrator to
   1. ADD a new product with details like Product ID, Interest Rate , Minimum Balance, Duration, etc.
   2. UPDATE the description or any information related to the product.
   3. DELETE any existing product.

***2.2*** ***Users classes and Characteristics***

*Bank Front-end Customers and Bank Employees* : The Bank Customers would be the main users of the Product Catalogue to gain useful information.

***2.3 Operating Environment***

**2.3.1 Hardware**

Product Catalogue module requires an entry-level PC for storing all the product information locally.

**2.3.2 Software**

The *Product Catalogue Module* is made using different softwares . These softwares are as follows:-

1. Apache Tomcat 8.0
2. Eclipse Java EE IDE
3. Oracle Database
4. Atlassian JIRA
5. SVN 1.9.0

This module uses various technologies like

1. AngularJS
2. HTML
3. J2EE

The product will support some commonly used browsers such as Internet Explorer, Mozilla Firefox.Google Chrome, etc.

**3. Specific Requirements**

***3.1 Performance Requirements***

Database can store details of all the products and services provided by the bank. Since the product catalogue module doesn’t need to handle any active traffic, the performance should be measured on the basis of the responsiveness of the system rather than speed. The editng options for the administrator need to work smoothly without affecting the original UI.

The application should be portable on any windows based system. It should not be machine specific.

***3.2 Design Constraints***

* Dependency on the login module to check whether the user is a customer or an administrator.
* To keep the product catalogue updated, the administrator needs to be informed of all new product/services introduced by the bank.

***3.3 Overview of Data Requirements***

The product is completely data oriented.

The administrator can update, process or retrieve data for new products/services. Required fields for new product creation need to be filled.

***3.4 Additional Comments***

This document describes a java based application that uses RESTful APIs, for purpose of implementing a Product Catalogue module of a digital bank system.

This document doesn't guarantee the implementation to be secure, efficient or error-free.

**4. References**

***Internet Sources:***

*[1]* *www.apache.org*

*[2]* [*www.stackoverflow.com*](http://www.stackoverflow.com)

*[3] IEEE SRS format*

*[4] www.tutorialspoint.com*

**Appendix A**

The notations being used in the documents are mentioned below:

***REST(REpresentational State Transfer)-***an architectural style used for web development .

***SVN(Apache Subversion)-***a software versioning and revision control system .

***JSP(Java Servlet Pages)-***a server-side programming technology that enables the creation of dynamic, platform-independent method for building Web-based applications.

***J2EE(JAVA 2 Enterprise Edition)-***a Java platform designed for the mainframe-scale computing typical of large enterprises.