**Para Bank & Restful Booker Project**

**Software Requirements Specification**

**1.1**

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**Prepared for**

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1. **Introduction**This document serves as the Software Requirements Specification (SRS) for the testing of Para Bank and Restful Booker. It defines the scope, objectives, and features to be tested.
   1. **Purpose**The purpose of this document is to outline the testing plan for

**Para Bank** and **Restful Booker** to ensure their functionality, reliability, and security.

* **Para Bank** will be tested for its customer-related features, including account management, transactions, and fund transfers.
* **Restful Booker** will be tested exclusively through its **API**, focusing on endpoints for booking creation, modification, deletion, and authentication.
  1. **Scope  
     This testing project covers:  
     1.2.1 Para Bank Functional Testing:**
* Customer login and authentication
* Account creation, balance inquiry, and fund transfers
* Transaction history validation
* Error handling and UI responsiveness

**1.2.2 Restful Booker API Testing:**

* Endpoint validation for booking management (Create, Read, Update, Delete)
* Authentication testing with API tokens
* Negative testing for invalid requests
* Performance and security checks

1. **Specific Requirements**

The Para Bank has 2 roles

1. Admin
2. Customer

Following features / modules will be available to these 2 different roles:

|  |  |
| --- | --- |
| **Admin** | **Customer** |
| Database | Open New Account |
| Data Access Mode | Accounts Overview |
| Web Service | Transfer Funds |
| Application Settings | Bill Pay |
| Accounts Overview | Find Transactions |
|  | Update Contact Info |
|  | Request Loan |
|  | Log in / Log out |

Description of the modules

|  |  |  |
| --- | --- | --- |
| **Module Name** | **Applicable Roles** | **Description** |
| Database | Admin | **Admin:** Admin caninitialize and clear database. |
| JMS Service | Admin | **Admin:** Admin can start or stop the service. |
| Data Access Mode | Admin | **Admin:** Admin can select connection mode (SOAP, REST (XML/JSON), JDBC). |
| Web Service | Admin | **Admin:** Admin can select the website service [WSDL | WADL | OpenAPI], set the SOAP Endpoint and REST Endpoint. Also can set an Endpoint to the LoanProcessor Service. |
| Application Settings “Configure account and loan settings” | Admin | **Admin:** Admin can set the initial and minimum balance amount.  Also, admin can change:   * the Loan Provider (Web Service, JMS, Local). * Loan Processor (Available Funds, Down Payment, Combined).   And set the Threshold percentage. |
| Accounts Overview | Customer | **Customer:** Customer can see his information |
| Open New Account | Customer | **Customer:** Customer can open new account |
| Transfer Funds | Customer | **Customer:** Customer can transfer funds |
| Bill Pay | Customer | **Customer:** Customer can bill pay |
| Update Contact Info | Customer | **Customer:** Customer can update his contact information |
| Request Loan | Customer | **Customer:** Customer can request loan |
| Log in / Log out | Customer | **Customer:** Customer can log in and log out |

1. **Front End Details**This section describes the Front end of **Para Bank**.

It also lists a few use cases to describe the functioning of the system.  
Following is a list of module wise fields  
  
  
**Open New Account**

* Account type
* Deposited amount

**Transfer Funds**

* Amount of money
* From account no
* To account no

**Bill Pay**

* Payee name
* Address
* City
* State
* Zip code
* Phone
* Account no
* Verify Account
* Amount
* From account no

**Find Transactions**

* Account no
* Transaction ID
* Date
* Date Range
* Between
* And
* Amount

**Update Contact Info**

* First name
* Last name
* Address
* City
* State
* Zip code
* Phone

**Request Loan**

* Loan amount
* Down payment
* From account no