Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PRJ\_ Loan Application Processing System\_001 |
| Project Name | Loan Application Processing System |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Group 3 | Trainee Test Engineers | 26th May, 2018 |
| Reviewed by | Role | Date of Review |
|  |  |  |
| Approved by | Role | Date of Approval |
|  |  |  |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | 1.1 |  |

<<Customer>> REVIEW HISTORY

<<Customer comments on the Use case along with the signed off is tracked here>>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Version | <<Version number>> |  |  |  |  |  |
| Date | <<Date of Review>> |  |  |  |  |  |
| Reviewed by | << Reviewer Name>> |  |  |  |  |  |
| Reviewed UI Specification doc | << Whether UI Specification doc is reviewed >> |  |  |  |  |  |
| All Open Queries/issues closed | << Whether all the open queries and issues resolved>> |  |  |  |  |  |
| Agreement on Assumptions | <<Whether all the assumptions have been agreed upon by the customer>> |  |  |  |  |  |
| Sign Off | <<Signature>> |  |  |  |  |  |

Disclaimer:

The scope of the project ‘Loan Application Processing System’ is restricted to the contents of this signed off use case.

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1. Use Case Name: Login to the University Admission System

Use Case ID: LAPS.CUSTOMER.APPLY FOR LOAN

This Use Case describes the process by which customers apply for loan in the bank through Loan Application Processing System log into the University Admission System.For accessing this application customer must have already reached the home page and opened the customer Apply for loan page.

1. Actor(s):

1. Customer

1. Preconditions
2. Customer knows the URL and has opened the home page already
3. Flow of Events

4.1 Basic Flow

Name: Successful submission of online loan application form in the Loan Application Processing System

1. Customer clicks on the customer page link on the Loan Application Processing System home page.
2. The system displays Apply for Loan page
3. Customer fills all the necessary details
4. Customer clicks on Apply button
5. The system validates all the fields
6. The system displays a message informing successful submission of loan application form and generates a application id
   1. Alternative Flows
      1. Alternate Flow 1
7. Customer clicks on the customer page link on the Loan Application Processing System home page.
8. The system displays Apply for Loan page
9. Customer fills all the necessary details
10. Customer clicks on reset button
11. The system resets all the fields.
12. Customer re-enters all the details
13. Customer clicks on Apply button
14. The system validates all the fields
15. The system displays a prompts alert box informing successful submission of loan application form and generates a applicant id.

4.2.2 Alternate Flow 2

1. Customer clicks on the customer page link on the Loan Application Processing System home page.
2. The system displays Apply for Loan page
3. User enters Username
4. User enters Password
5. User clicks on the Login button
6. The system validates Username & Password
7. The system navigates user to the Course Registration Page

Exception Flow 1: Customer remains idle for some time

1. Customer clicks on the customer page link on the Loan Application Processing System home page.
2. The system displays Apply for Loan page
3. Customer remains idle for some time
4. The system displays session expire message

Exception Flow 2: Web Server Down

1. Customer clicks on the customer page link on the Loan Application Processing System home page.
2. The system displays an error message regarding web server unavailability problem

Exception Flow 3: Database Connectivity Error

1. Customer clicks on the customer page link on the Loan Application Processing System home page.
2. The system displays Apply for Loan page
3. Customer fills all the necessary details
4. Customer clicks on Apply button
5. The system displays an error message regarding database connectivity problem.

Exception Flow 4: Network Connectivity Error

1. Customer clicks on the customer page link on the Loan Application Processing System home page.
2. The system displays Apply for Loan page
3. Customer fills all the necessary details
4. Customer clicks on Apply button
5. The system validates all the fields
6. The system displays an error message regarding network connectivity problem.
7. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful submission of online loan application form in the Loan Application Processing System | Displays message “Your loan application has been submitted successfully” and Applicant id has to be printed. |
| Successful submission of online loan application form in the Loan Application Processing System after resetting all the fields and filling it again | Displays message “Your loan application has been submitted successfully” and Applicant id has to be printed. |
| Web Server Down | The system should display an error message to the user regarding web server unavailability problem |
| Database Connectivity Error | The system should display an error message to the user regarding the database connectivity problem |
| Network Connectivity Error | The system should display an error message to the user regarding the network connectivity problem |

1. Special Requirements

Performance

1. The click on ‘Apply for loan’ shall display the Application form within 15 seconds of customer request

Availability

* 1. Application is up and running 24\*7

User Interface

* 1. The letters on Menus shall be bold
  2. The active links shoul be displayed in red color
  3. The visisted links should be displayed in purpule color
  4. The Unvisited links should be displayed in blue
  5. Look and feel and color of application should be proper.
  6. In case of Field level validation error messages should be displayed in red color.

Security

1. The LAPS will allow user to Cancel prompt should be displayed in the application at any point.
2. After click ing on back on browser it should takes you back to the previous page in the list
3. After click ing on Forword on browser it should takes you forward to the next page in the list.
4. Customer session should get expire if user is inactive for 10 mins.
5. Extension Points

Extension in Alternate Flow 1:

In step 4, if the customer has clicked on reset button

1. The system prompts the user to re-enter the fields

2. The system takes customer to the Step 3 of Basic Flow

Extension in Exception Flow 1:

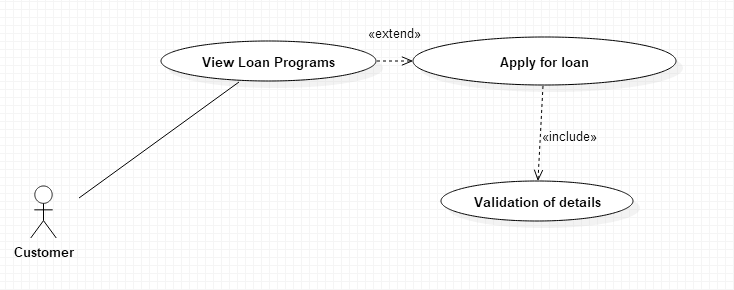
In step 4, if the customer has remained idle for some time :

1. The system displays error message saying session expires.
2. Refresh the page
3. The system takes customer to the Step 3 of Basic Flow
4. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | The applicant name should be minimum 20 characters | Customer is prompted to re-enter/check the applicant name |
| BR02 | The phone number and mobile number should only be in number format | Displayes error message “Please enter valid phone number and mobile number” |
| BR03 | The Count of Dependents should be given in number format | Displays error message “Please enter Count of Dependents field in number format ” |

1. Diagrams

Use Case Diagram for Customer



1. Scenarios

Success Scenarios

* Successful submission of customer loan Application form.

Failure Scenarios

* Web Server Down
* Database Connectivity Error
* Network Connectivity Error

1. Issues
2. What is the maximum size of username and password that a user can have ?
3. What if the user is blocked after invalid login attempts for three times ?
4. UI Specifications

https://www.onlineloanapplication.com

1. Inter System Dependencies

Module: ‘Apply Online for Course’ gets impacted due to :

Use case name: Alternate Flow 1

Impact: If the user tries to apply for a course without login, he should be denied so. <<Mention the impact on the above mentioned Use case because of this use case>>

1. Integration with an already existing System of the <<Customer>>

*<< This is especially applicable if the project at hand is an enhancement to an existing system.>>*

1. Assumptions
2. Customer should know the valid URL of online loan application form
3. Customer should have Google chrome browser for best view of site.

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Date | Version # | Section Changed | Details of changes made | Approved By |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |