Use Case Specification

DMT/RM01/TMP

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

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| --- | --- | --- |
| 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: Applying for Loan and Checking the status of Application

Use Case ID: **LAPS**.CUSTOMER.APPLY FOR LOAN

This Use Case describes the process by which customers apply for loan and checks the status of the loan applied through Loan Application Processing System. For accessing this application customer must have already reached the home page and opened the loan application page.

2. Actor(s):

1. Customer

3. Preconditions

1. Customer knows the URL and has opened the home page already

4. Flow of Events

4.1 Basic Flow

**Name**: Successful submission of online loan application form and checking the status of loan application submitted through 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
7. Customer clicks on the view application status link
8. The system displays the status check page
9. The customer enters application id and date of birth and clicks on check status button
10. The system displays the status of application

4.2: Alternative Flows

4.2.1.Alternate Flow 1

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 reset button
5. The system resets all the fields.
6. Customer re-enters all the details
7. Customer clicks on Apply button
8. The system validates all the fields
9. The system displays a prompts alert box informing successful submission of loan application form and generates a applicant id
10. Customer clicks on the view application status link
11. The system displays the status check page
12. The customer enters application id and date of birth and clicks on check status button
13. The system displays the status of application

4.2.2 Alternate Flow 2

1. Customer finds the link from the favourites and clicks on it

2. The system navigates the customer to the online loan application processing system page

3. The customer clicks on the customer loan application link

4. The system displays the loan application form

5. Customer enters all the details

6. Customer clicks on apply button

7. The system validates all the details

8. The system displays a prompt box informing successful submission of loan application form and generates an unique applicant id

9. Customer clicks on the view application status link

10. The system displays the status check page

11. The customer enters application id and date of birth and clicks on check status button

12. The system displays the status of application

4.2.3 Alternate Flow 3

* + - 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
      7. Customer clicks on the home page button
      8. The system navigates the customer to home page
      9. Customer finds the loan application status link and clicks on it
      10. The system displays the status check page
      11. The customer enters application id and date of birth and clicks on check status button
      12. The system displays the status of application

4.2.4 Alternate Flow 4

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 a message informing successful submission of loan application form and generates a application id
7. Customer clicks on the view application status link
8. The system displays an error message regarding network connectivity problem

5. 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. |
| Successful submission of the application id and date of birth | The system should display message informing the status of application like applied or approved or rejected |
| 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 |

6.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
  2. The status of the application should be made available from time to time

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. The logout and back button should be available on every page of the application
  6. Look and feel and color of application should be proper
  7. 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.

7. 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 2:

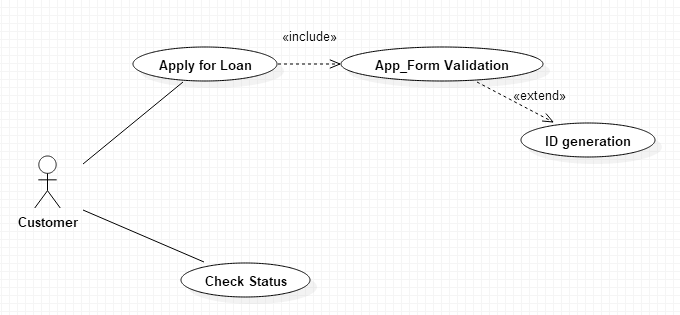
In step 4, if the customer has remained idle for some time :

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
   1. 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



10. Scenarios

Success Scenarios

* Successful submission of customer loan Application form
* Successful display of application status information

Failure Scenarios

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

11. Issues

1. How many loans the customer can apply out of the available loans?
2. What if the customer wants to apply for more than one loan?

12. UI Specifications

https://www.onlineloanapplication.com

14. Inter System Dependencies

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

Use case name: Loan Application Process

Flow name : Alternate Flow 1

Impact: The customer will not be able to apply for loan if the administrator fails to add new loan details

15. Integration with an already existing System of the <<Customer>><<Not Applicable>>

16. Assumptions

1. Customer should know the valid URL of online loan application form
2. 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 |  |  |  |  |  |