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 | <version No > | 1.1 |

<<Customer>> REVIEW HISTORY

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

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| --- | --- | --- | --- | --- | --- | --- |
| Version | 1.1 |  |  |  |  |  |
| Date | 26/05/2018 |  |  |  |  |  |
| Reviewed by |  |  |  |  |  |  |
| Reviewed UI Specification doc | Yes |  |  |  |  |  |
| All Open Queries/issues closed | Yes |  |  |  |  |  |
| Agreement on Assumptions | Agreed |  |  |  |  |  |
| Sign Off | <<Signature>> |  |  |  |  |  |

Disclaimer:

The scope of the project ‘Banking Exam Portal’ is restricted to the contents of this signed off use case

TABLE OF CONTENTS

[1. Use Case Name: LAD\_Loan Application Processing 4](#_Toc467755986)

[2. Actor(s) 4](#_Toc467755987)

[3. Preconditions 4](#_Toc467755988)

[4. Flow of Events 4](#_Toc467755989)

[4.1 Basic Flow 4](#_Toc467755990)

[4.2 Alternative Flows 6](#_Toc467755991)

[4.2.1 Alternate Flow 1 6](#_Toc467755992)

[4.2.2 Alternate Flow 2 6](#_Toc467755993)

[4.2.2 Alternate Flow 3 6](#_Toc467755994)

Exception Flow 1: Unsuccessful login 7

Exception Flow 2: HTTP Session not created 7

[Exception Flow 3: Userid is excedding the limit 7](#_Toc467755995)

[Exception Flow 4: Password is below the limit 7](#_Toc467755996)

[Exception Flow 5: Database Connectivity 7](#_Toc467755997)

[Exception Flow 6: Network Failure 7](#_Toc467755998)

Exception Flow 7: Session Expiry 8

Exception Flow x:

[5. Post Conditions 8](#_Toc467755999)

[6. Special Requirements 7](#_Toc467756000)

[Performance 7](#_Toc467756001)

[Availability 7](#_Toc467756002)

[Security 7](#_Toc467756003)

[7. Extension Points 7](#_Toc467756004)

[8. Extension in Alternate Flow 1: 7](#_Toc467756005)

[< Business Rules> 7](#_Toc467756006)

[9. Diagrams 8](#_Toc467756007)

[Use Case Diagram 8](#_Toc467756008)

[Success Scenarios 9](#_Toc467756009)

[Failure Scenarios 9](#_Toc467756010)

[10. Issues 9](#_Toc467756011)

[11. UI Specifications 9](#_Toc467756012)

[12. Inter System Dependencies 9](#_Toc467756013)

[13. Assumptions 10](#_Toc467756014)

1. Use Case Name: LAD\_ Loan application processing

Use Case ID: UC.LAPS\_LAD\_001

Brief Description: This Use Case describes the process by which the Loan Approval Department members login to the system, manages the loan application forms.

1. Actor(s)
2. Loan Approval Department
3. Preconditions

* The Loan approval Department are the members of Loan Application Department.
* The members of LAD has the access to the Online Loan Application Processing system Portal
* The members of LAD has a valid user id and a password

1. Flow of Events
2. 4.1 Basic Flow

Name: LAD login to the system and processes the application form

1. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
2. LAD enters user-id and password and clicks on the login button.
3. The system validates the user id and password combination with the database.
4. On successful login, the LAD home page is displayed.
5. The system displays the page with all the Loan programs available and also with two hyperlinks Applied list and Accepted list.
6. If LAD clicks on the Applied list, the system displays the list of customers applied to the specific loan program
7. LAD verifies the details provided by the customer and changes the status from applied to accepted or rejected.
8. After the status changes from applied to accepted an automatic mail is sent to the customer scheduling the interview for the document verification else rejection mail is sent and details are updated into the database
9. If LAD clicks on Accepted list, all the accepted applications are displayed
10. After interview the status changed to approved/rejected.
11. After the loan program is approved/rejected an automatic mail is sent to the customer informing the status and the details are updated into the database.
13. 4.2 Alternative Flows
14. 4.2.1 Alternate Flow 1
15. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
16. LAD enters user-id and password and clicks on the login button.
17. The system validates the user id and password combination with the database.
18. On successful login, the LAD home page is displayed.
19. The system displays the page with all the Loan programs available and also with two hyperlinks Applied list and Accepted list.
20. LAD clicks on the Applied list
21. The system displays the list of customers applied to the specific loan program
22. LAD verifies the details provided by the customer and changes the status from applied to accepted or rejected.
23. If the status is changed to accepted an automatic mail is sent to the customer scheduling the interview for the document verification else rejection mail is sent.
24. LAD navigates back to the home page
25. LAD again enters the user id and password and enters the LAD page.
26. LAD clicks on Accepted list all the accepted applications are displayed
27. After interview the status changed to approved/rejected.
28. If the loan program is approved again a mail is sent to the customer informing the status and the details are updated into the database for further processing
29. 4.2.2 Alternate Flow 2
30. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
31. LAD enters user-id and password and clicks on the login button.
32. The system validates the user id and password combination with the database.
33. On successful login, the LAD home page is displayed.
34. The system displays the page with all the Loan programs available and also with two hyperlinks Applied list and Accepted list.
35. If LAD clicks on Accepted list, all the accepted applications are displayed
36. After interview the status changed to approved/rejected.
37. After the loan program is approved/rejected an automatic mail is sent to the customer informing the status and the details are updated into the database.
38. If LAD clicks on the Applied list, the system displays the list of customers applied to the specific loan program
39. LAD verifies the details provided by the customer and changes the status from applied to accepted or rejected.
40. After the status changes from applied to accepted an automatic mail is sent to the customer scheduling the interview for the document verification else rejection mail is sent and details are updated into the database
41. 4.2.3 Alternate Flow 3
42. Exception Flow 1: Unsuccessful login
43. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
44. LAD enters user-id and password and clicks on the login button.
45. The system validates the user id and password combination with the database.
46. If the authentication is unsuccessful, a login failure message is displayed.
47. Exception Flow 2: HTTP session not created
48. LAD is navigated to the home page
49. LAD enters user-id and password and clicks on the login button.
50. The system validates the user id and password combination with the database.
51. On successful login, the LAD home page is displayed.
52. On Successful login, the user-id and role fields are not stored in the HTTP session
53. Exception Flow 3: Userid is excedding the limit
54. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
55. LAD enters user-id more than 10 character
56. LAD enters password and clicks on the login button.
57. The system validates the user id and password
58. LAD geting error message for invalid Username
59. Exception Flow 4: Password is below the limit
60. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
61. LAD enters user-id
62. LAD enters password below 6 characters
63. clicks on the login button.
64. The system validates the user id and password
65. LAD geting error message for invalid password
66. Exception Flow 5: Database Connectivity
67. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
68. LAD enters user-id and password and clicks on the login button.
69. The system validates the user id and password combination with the database.
70. System displays error message regarding database connectivity
71. Exception Flow 6: Network Failure
72. LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
73. LAD enters user-id and password and clicks on the login button.
74. The system validates the user id and password combination with the database.
75. On successful login, the LAD home page is displayed.
76. The system displays the page with all the Loan programs available and also with two hyperlinks Applied list and Accepted list.
77. If LAD clicks on the Applied list, the system displays the list of customers applied to the specific loan program
78. LAD verifies the details provided by the customer and changes the status from applied to accepted or rejected.
79. After the status changes from applied to accepted an automatic mail is sent to the customer scheduling the interview for the document verification else rejection mail is sent and details are updated into the database
80. LAD clicks on “Approved list”
81. The system displays error message regaring network failure.
82. Exception Flow 7: Session Expiry
83. LAD visits the Loan Application Processing System URLhttps://www.onlineloanapplication.com using any standard browser and clicks on the LAD login
84. LAD enters user-id and password and clicks on the login button.
85. The system validates the user id and password combination with the database.
86. On successful login, the LAD home page is displayed.
87. The system displays the page with all the Loan programs available and also with two hyperlinks Applied list and Accepted list.
88. LAD remains idle for some time
89. The system displays session expiry message.
90. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| LAD visits the Loan Application Processing System URL https://www.onlineloanapplication.com using any standard browser | The home page of the Loan application Processing system should be displayed |
| LAD successful Login to application | LAD should naviagate to the LAD login page. |
| Administrator unsucessfull login | The application should display Error message to the Administrator for invalid userid or password |
| Exceeding Userid Limit | The application should didplay error message on invaid userid |
| Password below thye limit | The application should didplay error message on invaid password |
| Database Connectivity | The application should display error message for Database connectivity |
| Network failure | The application should display error message for Network failure |
| Session Expiry | The application should display error message for session expiry |

1. Special Requirements
2. Performance

* On kiosks operating with a PSTN connection, users shall have greater than 50Kbps connection speed.
* Application should responce within 6 sec. for all the request by the LAD

1. Availability

* Application should be available for 24\*7 to Adminstrator,LAD and Customer

1. Security

* On each page in the Loan Application Processing system web application checks for a valid user login by checking the value of a session variable.
* users cannot directly access any web page of the application by simply entering the URL of that page on the address bar of the browser.

1. 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.
2. Extension Points

Extension in Exception Flow 1:

1. If the customer has entered wrong user credentials :
2. The system prompts the user to re-enter the credentials
3. User enters the username and password
4. The system validates the user id and password combination with the database.
5. On successful login, the admin home page is displayed.

Extension in Exception flow 3:

In step 2, if the LAD has entered wrong user\_id credentials :

1. The system prompts the user to re-enter the credentials
2. User enters the username and password
3. The system takes user to the Step 2 of Basic Flow

Extension in Exception flow 6:

In step 9, if the system displays network failure

1. The LAD refreshes the page and again the home page is loaded
2. The sytem takes the user to the basic flow

Extension in Exception flow 7:

In step 6, if the session expiry message is displayed

1. The LAD refreshes the page and LAD is navigated to home page

2. The sytem takes the user to the basic flow

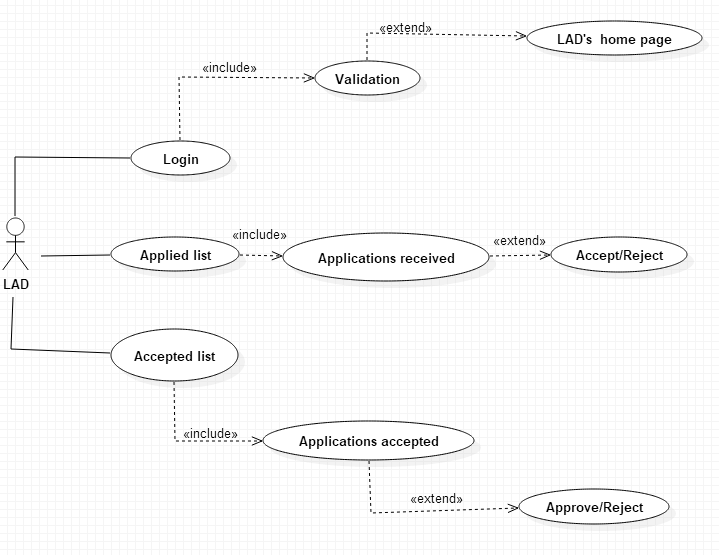
Extension in Alternate Flow x:

In step y, if the customer has entered wrong course name in the search option :

1. The system displays error message saying no loan programs available.
2. User either backs out of this use case, or retries after entering correct data.
3. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | LAD should be valid | User got popup to re-enter the credentials. |
| BR02 | Applicant should be able to view the loan programs available and make necessary status change | Display notification message “ details not available” |
| BR03 | LAD should not be able to udate or delete the Exam details on portal. | Display message “Admin authentication is needed” |

1. Diagrams
2. Use Case Diagram



1. Success Scenarios

* Successful LAD login
* Successfully HTTP session got created
* Successful updation of the status

1. Failure Scenarios

* LAD login authentication fails
* HTTP session not created
* LAD not able to change the status.

1. Issues

* What if the HTTP session not created.
* What if the user is able to access the page of the application by simply entering the URL of that

1. page on the address bar of the browser.
2. UI Specifications

https://www.onlineloanapplication.com

1. Inter System Dependencies

Module: Customer

Use case name: Applicant view the list of Exam

Impact: If Administrator has not added or updated exam details the applicant will not be able to see the details.

1. Assumptions

* Application is valid and up running
* Application is launcing in all the browser
* LAD should have valid username and password

( more e.g

1. The User should be authenticate.
2. User should know the valid URL of Loan Application Processing System.
3. User 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 |  |  |  |  |  |