Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PRJ\_Banking Exam Portal\_001 |
| Project Name | Banking Exam Portal |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Kavya Killani | Analyst | 29th Jan, 2019 |
| Reviewed by | Role | Date of Review |
| Akhila | Analyst | 29nd Jan, 2019 |
| Approved by | Role | Date of Approval |
| Shilpa Bhosle | Deputy Manager |  |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | 1.0 |  |

<<Customer>> REVIEW HISTORY

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

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| --- | --- | --- | --- | --- | --- | --- |
| Version | 1.0 |  |  |  |  |  |
| 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 ‘**Banking Exam Portal’** is restricted to the contents of this signed off use case.

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1. Use Case Name: Login to the Banking Exam Portal

**Use Case ID:**  BEP.USER.LOGIN\_001

**Brief Description:** This use case describes the process by which administrator can log into the Banking Exam Portal system

1. Actor(s)
2. Administrator
3. Preconditions
4. Administrator is an employee of a Banking Exam Portal company
5. Administrator has an access to the Banking Exam Portal Website
6. Administrator has a valid user id and a password

1. Flow of Events

4.1 Basic Flow

Name: Successful login to the Banking Exam Portal

1. Administrator clicks on the **Login** link on the Banking Exam Portal home page.
2. The system displays **Login** page
3. Administrator enters **Username**
4. Administrator enters **Password**
5. Administrator clicks on the **Login** button
6. The system validates **Username** & **Password**
7. The system navigates user to the **Admin home Page**
   1. Alternative Flows

4.2.1 Alternate Flow 1: successful login to BEP on second attempt

1. Admin clicks on the **Login** link on the Banking Exam Portal .
2. The system displays Login page
3. Admin enters Username
4. Admin enters Password
5. Admin clicks on the Login button
6. The system validates Username & Password
7. The system validation fails due to invalid user credentials
8. The system propmts the user to re-enter the username and password
9. Follows from step 3 of basic flow.

4.2.2 Alternate Flow 2 : Login to the BEP due to session time out.

1. Basic Flow is Followed.
2. Due to inactivity on home page session is expired.
3. The system navigates admin to the Login Page.
4. Follows from step 3 of basic flow.

4.2.2 Alternate Flow 2 :

Exception Flow 1: Login Failure due to Exceeded Login Attempts

1. Admin clicks on the **Login** link on the Banking Exam Portal.
2. The system displays **Login** page
3. Admin enters **Username**
4. Admin enters **Password**
5. Admin clicks on the **Login** button
6. The system validates **Username** & **Password**
7. The system validation fails due to invalid user credentials and no more login attempts remaining
8. The system suspends the user account for next 24 hrs.
9. The system informs the user that his/her account has been suspended

Exception Flow 2: Web Server Down

1. Admin clicks on the **Login** link on the Banking Exam Portal.
2. The system displays an error message regarding web server unavailability problem

Exception Flow 3: Database Connectivity Error

1. Admin clicks on the **Login** link on the Banking Exam Portal.
2. The system displays **Login** page.
3. Admin enters **Username**
4. Admin enters **Password**
5. Admin clicks on the **Login** button
6. The system displays an error message regarding database connectivity problem.

Exception Flow 4: Network Connectivity Error

1. Admin clicks on the **Login** link on the Banking Exam Portal.
2. The system displays **Login** page.
3. Admin enters **Username**
4. Admin enters **Password**
5. Admin clicks on the **Login** button
6. The system validates **Username** & **Password**
7. The system displays an error message Invalid UserName.

Exception Flow 5: Login failure due to Invalid username

1. Admin clicks on the **Login** link on the Banking Exam Portal.
2. The system displays **Login** page.
3. Admin enters **Username**
4. Admin enters **Password**
5. Admin clicks on the **Login** button
6. The system validates **Username** & **Password**
7. The system displays an error message Invalid Password.

Exception Flow 6: Login failure due to invalid password

1. Admin clicks on the **Login** link on the Banking Exam Portal.
2. The system displays **Login** 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 displays an error message regarding network connectivity problem.
8. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful user login to the Banking Exam Portal | Admin will be logged in to the BEP successfully and system should navigate to home page |
| successful login to BEP on second attempt | Admin will be logged in to BEP successfully and system should navigate to home page. |
| Login to the BEP due to session time out | Admin will be logged in to BEP successfully and system should navigate to home page |
| Login Failure due to Exceeded Login Attempts | The system should suspend the admin account and system should navigate to login page. |
| 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 |
| Login failure due to Invalid username | The system should suspend the admin account and system should navigate to login page. |
| Login failure due to invalid password | The system should suspend the admin account and system should navigate to login page. |

1. Special Requirements

Performance

1. The login process should be completed within 10 seconds.

Availability

* 1. The applicant can register only on working days 24x7 but cannot register on national holidays.

User Interface

* 1. The letters on Menus shall be bold
  2. The active links shoul be displayed in red color
  3. The visited links should be displayed in purpule color
  4. The logout and back button should be available on every page of the application

Security

1. The system shall display the letters of PIN numbers in a masked format when they are entered by the admin.
2. The BEP will allow admin to Cancel the login at any point.

1. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
|  | UserName cannot be duplicate | System should display error message |
| BR01 | Administrator is not an employee of a Banking Exam Portal company | Admin is prompted to re-enterr the login credentials |
| BR02 | Administrator has not an access to the Banking Exam Portal Website | Displays error message “Please enter correct URL” |
| BR03 | Administrator has not a valid user id and a password | Displays error message “Invalid Username and Password” |

1. Diagrams

Use Case Diagram



1. Scenarios

Success Scenarios

* Successful user login to the Banking Exam Portal
* Login to the Banking Exam Portal with reattempt
* Login to the Banking Exam Portal using admin login Page

Failure Scenarios

* Exceeded Login Attempts
* Web Server Down
* Database Connectivity Error
* Network Connectivity Error

1. Issues

* What is the maximum size of username and password that a admin can have ?
* What if the admin is blocked after invalid login attempts for three times ?

1. UI Specifications

<< Provide a link to the UI specification document of the Use case. Please don’t embed the document here>>

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.

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

<< List down all the assumptions considered by this use case>>

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

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