Use Case Specification

DMT/RM01/TMP

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

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Pooja sharma | Analyst | 22 January 2019 |
| Reviewed by | Role | Date of Review |
| gayatri | Analyst | 22 January 2019 |
| Approved by | Role | Date of Approval |
| Shilpa Bhosle | Deputy Manager | 22 January,2019 |
| 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 | 1.0 |  |  |  |  |  |
| Date | 22nd January,2019 |  |  |  |  |  |
| Reviewed by | Anushri |  |  |  |  |  |
| 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 ‘**Bank Exam Portal**’ is restricted to the contents of this signed off use case.

TABLE OF CONTENTS

[1. Use Case Name: Login to the bank exam portal 3](#_Toc535947111)

[1. Actor(s) 4](#_Toc535947112)

[2. Preconditions 4](#_Toc535947113)

[3. Flow of Events 4](#_Toc535947114)

[4.1 Basic Flow 4](#_Toc535947115)

[4.2 Alternative Flows 4](#_Toc535947116)

[4.2.1 ALTERNATE Flow 1: SUCESSFUL REGISTRATION to the BEP on second attempt 4](#_Toc535947117)

[4.2.2 ALTERNATE Flow 2 : Registration to the BEP using apply for exam from dropdown box 4](#_Toc535947118)

[4.2.3 ALTERNATE Flow 3 : Registration to the BEP using exam code to apply for exam 5](#_Toc535947119)

[4.2.4 Alternate Flow 4 5](#_Toc535947120)

[Exception Flow 1: Registration Failure due to invalid email ID 5](#_Toc535947121)

[Exception Flow 2: Registration Failure due to invalid DOB 5](#_Toc535947122)

[Exception Flow 3: Registration Failure due to session timeout 5](#_Toc535947123)

[Exception Flow 4: Web Server Down 5](#_Toc535947124)

[Exception Flow 5: Database Connectivity Error 5](#_Toc535947125)

[Exception Flow 6: Network Connectivity Error 6](#_Toc535947126)

[4. Post Conditions 6](#_Toc535947127)

[5. Special Requirements 7](#_Toc535947128)

[Performance 7](#_Toc535947129)

[Availability 7](#_Toc535947130)

[User Interface 7](#_Toc535947131)

[Security 7](#_Toc535947132)

[6. Extension Points 7](#_Toc535947133)

[Extension in Alternate Flow 1: 7](#_Toc535947134)

[7. Business Rules 7](#_Toc535947135)

1.Use Case Name: Login to the bank exam portal

Use Case ID: BEP\_USER\_REGISTER\_001

**Brief Description:** This Use Case describes the process by which a new user/applicant can register on the Banking Exam Portal website.

1. Actor(s)
2. User
3. Preconditions
4. New user/Applicant is not a member of the website
5. New user/Applicant has an access to the Banking Exam Portal Website
6. Flow of Events

4.1 Basic Flow

Name: Successful login to Bank Exam Portal

1. User navigates to the home page
2. User clicks on the “Click here” link to start the registration process
3. User will be navigated to the Register web page
4. User enters the First Name, Middle Name and Last Name fields as accept character data
5. User enters the DOB
6. User enters the Email ID
7. User enters the educational qualification details like degree, subject, year of passing and percentage of marks
8. User clicks on the Submit button to complete the process of registration
   1. Alternative Flows

4.2.1 ALTERNATE Flow 1: SUCESSFUL REGISTRATION to the BEP on second attempt

1. User navigates to the home page
2. User clicks on the “Click here” link to start the registration process
3. User will be navigated to the Register web page
4. User enters the First Name, Middle Name and Last Name fields as accept character data
5. User enters the DOB
6. User enters the Email ID
7. System sends a verification to the entered Email ID
8. System verification fails due to invalid Email ID
9. The system prompts the user to re-register by directing the user to Register web page
10. The step 4 of Basic flow is followed.

4.2.2 ALTERNATE Flow 2 : Registration to the BEP using apply for exam from dropdown box

1. User selects the exams from the dropdown box on the Bank Exam Portal home page
2. The system redirects to the Register web page
3. The step 4 of Basic flow is followed.

4.2.3 ALTERNATE Flow 3 : Registration to the BEP using exam code to apply for exam

1. User enters the exam code to apply for exams on the Bank Exam Portal home page
2. The system redirects to the Register web page
3. The step 4 of Basic flow is followed.

4.2.4 Alternate Flow 4

Exception Flow 1: Registration Failure due to invalid email ID

1. User navigates to the home page
2. User clicks on the “Click here” link to start the registration process
3. User will be navigated to the Register web page
4. User enters the First Name, Middle Name and Last Name fields as accept character data
5. User enters the DOB
6. User enters the Email ID
7. The system validation fails due to invalid Email ID
8. The system prompts the user to re-register by directing the user to Register web page

Exception Flow 2: Registration Failure due to invalid DOB

1. User navigates to the home page
2. User clicks on the “Click here” link to start the registration process
3. User will be navigated to the Register web page
4. User enters the First Name, Middle Name and Last Name fields as accept character data
5. User enters the DOB
6. The system validation fails due to invalid DOB
7. The system prompts the user to re-register by directing the user to Register web page

Exception Flow 3: Registration Failure due to session timeout

1. User navigates to the home page
2. User clicks on the “Click here” link to start the registration process
3. User will be navigated to the Register web page
4. User enters the First Name, Middle Name and Last Name fields as accept character data
5. User enters the DOB
6. User enters the educational qualification details like degree, subject, year of passing and percentage of marks
7. User clicks on the Submit button to complete the process of registration.
8. The System fails to register due to session time out.

Exception Flow 4: Web Server Down

1. User clicks on the “Click here” link to start the registration process on Bank Exam Portal.
2. The system displays an error message regarding web server unavailability problem

Exception Flow 5: Database Connectivity Error

1. User clicks on the “Click here” link to start the registration process on Bank Exam Portal.
2. User will be navigated to the Register web page
3. User enters the First Name, Middle Name and Last Name fields as accept character data
4. User enters the DOB
5. User enters the Email ID
6. User enters the educational qualification details like degree, subject, year of passing and percentage of marks
7. User clicks on the Submit button to complete the process of registration
8. The system displays an error message regarding database connectivity problem.

Exception Flow 6: Network Connectivity Error

1. User clicks on the “Click here” link to start the registration process on Bank Exam Portal.
2. User will be navigated to the Register web page
3. User enters the First Name, Middle Name and Last Name fields as accept character data
4. User enters the DOB
5. User enters the Email ID
6. User enters the educational qualification details like degree, subject, year of passing and percentage of marks
7. User clicks on the Submit button to complete the process of registration
8. The system displays an error message regarding network connectivity problem.
9. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful user registration to the Banking Exam Portal | User will be registered in to the BEP successfully and system should navigate user to the Exam Registration Page |
| Registering to the Banking Exam Portal with reattempt | User will be registerred in to the BEP successfully and system should navigate user to the Exam Registration Page |
| Registering to the Banking Exam Portal using Apply for Exam option | User will be logged in to the BEP successfully and system should navigate user to the Exam Registration Page |
| Registering to BEP by using exam code option | User will be registerred in to the BEP successfully and system should navigate user to the Exam Registration Page |
| Registration failed due to invalid EMAIL ID | The system prompts the user to re-register by directing the user to Register web page |
| Registration failed due to invalid DOB | The system prompts the user to re-register by directing the user to Register web page |
| Registration failed due to session timeout | The System fails to register due to session time out. |
| 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 ‘Exam applied’ shall display the exam code within 15 seconds of user request

Availability

* 1. The user 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 should be displayed in red color
  3. The visited links should be displayed in purple 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 Password in a masked format when they are entered by the USER.
2. The BEP will allow user to Cancel the registration at any point.
3. Extension Points

Extension in Alternate Flow 1:

In step 7, if the user has entered wrong user 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 3** of **Basic Flow**

1. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
|  | Exam I d cannot be duplicate | Exam details are not added and the eerror msxg. Related to duplicated exam id is displayed |
| BR01 | User must be valid | User is prompted to re-enterr the login credentials |
| BR02 | Same user cannot register for two courses at a time | Displays error message “You have already registered for a course” |
| BR03 | User can view his application status only by entering valid Application\_Id | Displays error message “Invalid Application\_Id” |