Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PRJ\_UniversityAdmissionSystem\_001 |
| Project Name | University Admission System |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Siddharth Sharma |  | 18 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>>

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| --- | --- | --- | --- | --- | --- | --- |
| 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 ‘University Admission System’ is restricted to the contents of this signed off use case.

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1. Use Case Name: Administration login to Banking Exam Portal and Adding Exam Detail

Use Case ID: UAS.ADMIN.ADD\_EXM\_001

Brief Description:

This Use Case describes the process by which Administrator log into the Banking Portal and adds New Exam Details. For Login user must be already registered on the 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.
7. Administrator has already logged in to the banking exam portal.
8. Flow of Events

4.1 Basic Flow

Name: Successful login to the Banking Exam Portal and adding new Exam detail

1. Administrator visits the Banking Exam Portal URL www.bankersjob.com/exam using any standard browser
2. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
3. The system validates the user id and password combination with the database.
4. On successful login, the admin home page is displayed.
5. Administrator clicks on the Add Exam Details link available on the Admin Home Page
6. Administrator will be navigated to the Add an Exam web page
7. Administrator fills all the required details to add a new exam to the banking exams database
8. Administrator clicks on the Submit button to complete the process of adding a new exam

Alternative Flows

* + 1. Alternate Flow 1: Re-entering user id and password

1. Administrator visits the Banking Exam Portal URL www.bankersjob.com/exam using any standard browser
2. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
3. The system validates the user id and password combination with the database.
4. If the authentication is unsuccessful, a login failure message is displayed and admin is asked to reenter the user-id and password.
5. Admin re-enters user-id and password.
6. On successful login, the admin home page is displayed.
7. Administrator clicks on the Add Exam Details link available on the Admin Home Page.
8. Administrator will be navigated to the Add an Exam web page
9. Administrator fills all the required details to add a new exam to the banking exams database
10. Administrator clicks on the Submit button to complete the process of adding a new exam
    * 1. Alternate Flow 2 : Deleting Exam Detail and Then Adding Exam Detail
11. Administrator visits the Banking Exam Portal URL www.bankersjob.com/exam using any standard browser
12. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
13. The system validates the user id and password combination with the database.
14. If the authentication is unsuccessful, a login failure message is displayed.
15. On successful login, the admin home page is displayed.
16. Administrator clicks on the delete exam details available on admins home page.
17. Administrator will be navigated to the Delete exam web page
18. Administrator clicks on delete exam details, old exam details are deleted.
19. Administrator clicks on the Add Exam Details link available on the Admin Home Page.
20. Administrator will be navigated to the Add an Exam web page
21. Administrator fills all the required details to add a new exam to the banking exams database
22. Administrator clicks on the Submit button to complete the process of adding a new exam
    * 1. ALTERNATE FLOW 3: Open Webpage Through Bookmark
23. Administrator has saved the web page of banking exam portal as favoirates he clicks on that bookmark using any standard browser.
24. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
25. The system validates the user id and password combination with the database.
26. On successful login, the admin home page is displayed.
27. Administrator clicks on the Add Exam Details link available on the Admin Home Page
28. Administrator will be navigated to the Add an Exam web page
29. Administrator fills all the required details to add a new exam to the banking exams database
30. Administrator clicks on the Submit button to complete the process of adding a new exam.
    * 1. ALTERNATE FLOW 4: Opening Banking Exam Portal Webpage Through ShortCut
31. Administrator has saved the web page of banking exam portal as Shortcut he clicks on that using any standard browser.
32. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
33. The system validates the user id and password combination with the database.
34. On successful login, the admin home page is displayed.
35. Administrator clicks on the Add Exam Details link available on the Admin Home Page
36. Administrator will be navigated to the Add an Exam web page
37. Administrator fills all the required details to add a new exam to the banking exams database
38. Administrator clicks on the Submit button to complete the process of adding a new exam.

Exception Flow 1: Exceeded Login Attempts

1. Administrator visits the Banking Exam Portal URL www.bankersjob.com/exam using any standard browser
2. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
3. The system validates the user id and password combination with the database.
4. If the authentication is unsuccessful, a login failure message is displayed.
5. The system validation fails due to invalid user credentials and no more login attempts remaining
6. The system suspends the user account
7. The system informs the user that his/her account has been suspended.

Exception Flow 2: Web Server Down

1. Administrator visits the Banking Exam Portal URL www.bankersjob.com/exam using any standard browser
2. The system displays an error message regarding web server unavailability problem

Exception Flow 3: Database Connectivity Error

1. Administrator visits the Banking Exam Portal URL www.bankersjob.com/exam using any standard browser
2. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
3. The system validates the user id and password combination with the database.
4. Administrator is unable to login.
5. The system displays an error message regarding database connectivity problem.

Exception Flow 4: Network Connectivity Error

1. Administrator visits the Banking Exam Portal URL www.bankersjob.com/exam using any standard browser
2. Administrator enters his/her user-id and password and clicks on the login button in the section of a home page given for administrator login
3. The system validates the user id and password combination with the database.
4. Administrator is unable to login.
5. The system displays an error message regarding network connectivity problem.

Exception Flow 5: Unsuccessful login

1. Administrator visits the Banking Exam Portal URL [www.bankersjob.com/exam](http://www.bankersjob.com/exam) using any standard browser.
2. Administrator 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. If the authentication is unsuccessful, a login failure message is displayed.

Exception Flow 6: Userid is excedding the limit

1. Administrator visits the Banking Exam Portal URL [www.bankersjob.com/exam](http://www.bankersjob.com/exam) using any standard browser.
2. Administrator enters user-id more than 10 character
3. Administrator enters password and clicks on the login button.
4. The system validates the user id and password.
5. Administrator geting error message for invalid Username

Exception Flow 7: Password is below the limit

1. Administrator visits the Banking Exam Portal URL [www.bankersjob.com/exam](http://www.bankersjob.com/exam) using any standard browser.
2. Administrator enters user-id
3. Administrator enters password below 6 characters
4. clicks on the login button.
5. The system validates the user id and password.
6. Administrator geting error message for invalid password
7. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful Adsministrator login to the Banking exam portal and successfully adding Exam detail. | Admin will be logged in to the Banking exam portal successfully, system should navigate admin to the Admin home Page and after that admin can add exam details. |
| Re-entering user-id and password and then adding exam details | Admin will be logged in to the Banking exam portal successfully, system should navigate admin to the Admin home Page and after that admin can add exam details. |
| Login to theBanking exam portal, delete old exam detail and after that add exam detail. | Admin will be logged in to the Banking exam portal successfully, system should navigate admin to the Admin home Page and after that admin can add exam details. |
| Open webpage through Bookmark | Admin will be logged in to the Banking exam portal successfully, system should navigate admin to the Admin home Page and after that admin can add exam details. |
| Opening Webpage Throgh Shortcut | Admin will be logged in to the Banking exam portal successfully, system should navigate admin to the Admin home Page and after that admin can add exam details. |
| Exceeded Login Attempts | The system should suspend the user account and should inform the admin that his/her account has been suspended |
| Web Server Down | The system should display an error message to the admin regarding web server unavailability problem |
| Database Connectivity Error | The system should display an error message to the admin regarding the database connectivity problem |
| Network Connectivity Error | The system should display an error message to the admin regarding the network connectivity problem |
| Unsucessful login | The system should display an error message to the admin regarding invalid user-id and password. |
| Userid is exceeded by the limits | The system should display an error message to the admin regarding invalid user-id. |
| Password is below the limit | The system should display an error message to the admin regarding invalid password. |

1. Special Requirements

Performance

* 1. Application should responce within 6 sec. for all the request by the admin.
  2. Navigating from one page to another should be fast and not take more than 10 seconds.

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. 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 system shall display the letters of Password in a masked format when they are entered by the administratror.
2. User Session should get expire if user is inactive for 10 mins.
3. Extension Points

Extension in Basic Flow :

In step 7, if the customer has entered wrong user credentials :

1. The system prompts the admin to re-enter the credentials

2. Admin enters the user-id and password

3. The system takes admin to the Step 3 of Basic Flow

Extension in Alternate Flow x:

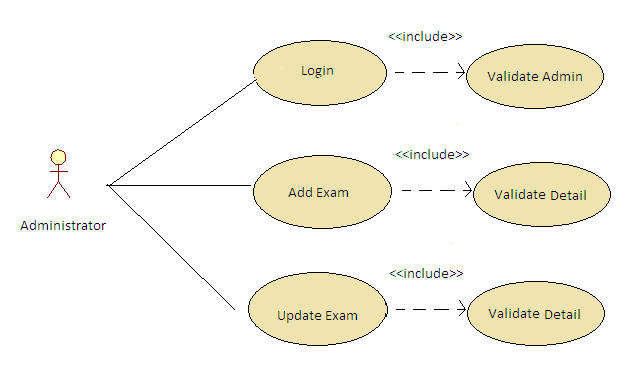
In step y, if the customer has entered wrong course name in the search option :

1. The system displays error message saying no courses are 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 | Administrator should be valid | Admin is prompted to re-enterr the login credentials |
| BR02 | Applicant should be able to view the Exam details added by the Administrator. | Display notification message “ Exam details not available” |
| BR03 | Applicant should not be able to udate or delete the Exam details on portal. | Display message “ Admin authentication is needed” |

1. Diagrams

Use Case Diagram for User



1. Scenario

Success Scenarios

* Successful admin login to the Banking Exam Portal.
* Login to the Banking Exam Portal with reattempt.
* Successful Adding exam in the portal
* Successful updating exam in the portal

Failure Scenarios

* Exceeded Login Attempts
* Web Server Down
* Database Connectivity Error
* Network Connectivity Error
* Adminisatration login authentication fails
* HTTP session not created
* Administrator not able to Add or update the exam in portal.

1. Issues

1. What if the HTTP session not created.

2. What if the user is able to access the page of the application by simply entering the URL of that

page on the address bar of the browser.

1. UI Specifications

<https://www.BankExam.com>

1. Inter System Dependencies

Module: Applicant

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
2. Application is valid and up running
3. Application is launcing in all the browser
4. Administrator should have valid username and password

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

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