Use Case Specification

DMT/RM01/TMP

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

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Ajaykumar Yadav | Test Engineer | 20th December, 2017 |
| Reviewed by | Role | Date of Review |
| Sai Krishna | Test Lead | 22nd December, 2017 |
| Approved by | Role | Date of Approval |
| Navya | Test Manager | 24th December, 2017 |
| 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 ‘University Admission System’ is restricted to the contents of this signed off use case.

TABLE OF CONTENTS

[1. Use Case Name: view the schedule programs on university portal 5](#_Toc503529881)

[2. Actor(s) 5](#_Toc503529882)

[3. Preconditions 5](#_Toc503529883)

[4. Flow of Events 5](#_Toc503529884)

[4.2.1 4.1 Basic Flow 5](#_Toc503529885)

[4.3 Alternative Flows 5](#_Toc503529886)

[4.3.1 4.2.1 Alternate Flow 1: view the schedule programs on university portal using direct link 5](#_Toc503529887)

[4.3.2 4.2.2 Alternate Flow 2: view the schedule programs on university portal using bookmark of that page 6](#_Toc503529888)

[4.3.3 4.2.3 Alternate Flow 3: : view the schedule programs on university portal using history of the respective browser 6](#_Toc503529889)

[4.4 Exception Flows 6](#_Toc503529890)

[4.4.1 Exception Flow 5: failed to add new programs due to duplicate program name 6](#_Toc503529891)

[13.2.1 Exception Flow 5: failed to add new programs due to any empty field 6](#_Toc503529892)

[4.4.2 Exception Flow 5: failed to add new programs due to invalid name 7](#_Toc503529893)

[4.4.3 7](#_Toc503529894)

[4.4.3 Exception Flow 5: Failed To Add the New programs Due to Network Error 7](#_Toc503529895)

[4.4.4 Exception Flow 6: Failed To View the programs Due to Database Error 7](#_Toc503529896)

[4.4.5 Exception Flow 7: Failed To View the programs Due to WebServer Error 8](#_Toc503529897)

[5. Post Conditions 8](#_Toc503529898)

[6. Special Requirements 8](#_Toc503529899)

[4.4.6 Performance 8](#_Toc503529900)

[4.4.7 Availability 9](#_Toc503529901)

[4.4.8 User Interface 9](#_Toc503529902)

[4.4.9 Security 9](#_Toc503529903)

[7. Extension Points 9](#_Toc503529904)

[4.4.10 <Name of extension point> 9](#_Toc503529905)

[8. Business Rules 9](#_Toc503529906)

[9. Diagrams 10](#_Toc503529907)

[4.4.11 Use Case Diagram 10](#_Toc503529908)

[4.4.12 Activity Diagram 11](#_Toc503529909)

[10. Scenarios 11](#_Toc503529910)

[4.4.13 Success Scenarios 11](#_Toc503529911)

[4.4.14 Failure Scenarios 11](#_Toc503529912)

[11. Issues 11](#_Toc503529913)

[12. UI Specifications 11](#_Toc503529914)

[13. Inter System Dependencies 11](#_Toc503529915)

[14. Integration with an already existing System of the <<Customer>> 12](#_Toc503529916)

[15. Assumptions 12](#_Toc503529917)

1. Use Case Name: Update scheduled program To University Admission System

Use Case ID: UAS.ADMINISTRATOR.UPDATEPROGRAM.UC122

**Brief Description:** This Use Case describes the process by which Administrator can update exsiting

programs on the portal.

1. Actor(s)

Administrator

1. Preconditions
2. Admistrator should be authorized to Update Scheduled Program.
3. Administrator has valid user credentials.
4. Administrator has already logged in to the iLearn University website.
5. Flow of Events
   * 1. 4.1 Basic Flow

Name: Successful Updation of Scheduled Program.

1. Administrator is directed to iLearn – Admin Home.
2. Click on Update Programs link
3. System directs to iLearn - Update Offered Program page.
4. Administrator selects a program to update from drop down list.
5. Click on find button.
6. System displays Scheduled Program details.
7. Administrator enters despcription of program.
8. Administrator enters Applicant Eligibility.
9. Click on Update button
10. System validates all the fields
11. System displays the message “Program Updated successfully”.
    1. Alternative Flows
       1. 4.2.1 Alternate Flow 1: view the schedule programs on university portal using direct link
12. Administrator or MCA or student enters the link
13. System displays the view schedule programs page.
    * 1. 4.2.2 Alternate Flow 2: view the schedule programs on university portal using bookmark of that page
14. Administrator or MCA or student click on the bookmark saved.
15. System displays the view schedule programs page.
    * 1. 4.2.3 Alternate Flow 3: : view the schedule programs on university portal using history of the respective browser
16. Administrator or MCA or student click on the customize and control tab of browser.
17. Administrator or MCA or student click on history.
18. System displays all the links visited by Administrator or MCA or student.
19. Administrator or MCA or student click on potal link
20. System displays the view schedule programs page.
    1. Exception Flows
       1. Exception Flow 5: failed to update program due to invalid data in program despcription field
21. System displays the home page of Administrator
22. Click on Programs Offered link
23. System displays the list of all programs scheduled
24. Administrator select one of the program
25. Click on open button
26. System displays the update page
27. Enter despcription of program
28. Enter degree certificate
29. Click on Update button
30. System validates all the fields
31. System displays an error message “Invalid description”.
    * 1. Exception Flow 5: failed to add new program due to program description empty field
32. System displays the home page of Administrator
33. Click on Programs Offered link
34. System displays the list of all programs scheduled
35. Administrator select one of the program
36. Click on open button
37. System displays the update page
38. Program description field is empty
39. Enter degree certificate
40. Click on Update button
41. System validates all the fields
42. System displays the error message “Program name filed can not be empty”.
    * 1. Exception Flow 5: failed to update program due to invalid data in degree certificate field
43. System displays the home page of Administrator
44. Click on Programs Offered link
45. System displays the list of all programs scheduled
46. Administrator select one of the program
47. Click on open button
48. System displays the update page
49. Enter despcription of program
50. Administrator enter number in degree certificate field
51. Click on Update button
52. System validates all the fields
53. System displays an error message “Invalid degree certificate”.
    * 1. Exception Flow 5: failed to upadte prgram due to empty degree certificate field
54. System displays the home page of Administrator
55. Click on Programs Offered link
56. System displays the list of all programs scheduled
57. Administrator select one of the program
58. Click on open button
59. System displays the update page
60. Enter despcription of program
61. Enter degree certificate
62. Click on Update button
63. System validates all the fields
64. System displays an error message “Degree certificate field can not be empty”.
    * 1. Exception Flow 5: failed to update the program due to network error
65. System displays the home page of Administrator
66. Click on Programs Offered link
67. System displays the list of all programs scheduled
68. Administrator select one of the program
69. Click on open button
70. System displays the update page
71. Enter despcription of program
72. Enter degree certificate
73. Click on Update button
74. System validates all the fields
75. System displays an error message about Network Failure.
    * 1. Exception Flow 6: failed to update the program due to database error
76. System displays the home page of Administrator
77. Click on Programs Offered link
78. System displays the list of all programs scheduled
79. Administrator select one of the program
80. Click on open button
81. System displays the update page
82. Enter despcription of program
83. Enter degree certificate
84. Click on Update button
85. System validates all the fields
86. System displays an error message about database error.
    * 1. Exception Flow 7: failed to update the program due to webserver error
87. System displays the home page of Administrator
88. Click on Programs Offered link
89. System displays the list of all programs scheduled
90. Administrator select one of the program
91. Click on open button
92. System displays the update page
93. Enter despcription of program
94. Enter degree certificate
95. Click on Update button
96. System validates all the fields
97. System displays an error message about WebServer error.
98. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Succesfull View Of Schedule Programs | The system should display an view programs page |
| Succesfull View Of Schedule Programs Using Direct Link | The system should display an view programs page |
| Succesfull View Of Schedule Programs Using Bookmark of Page | The system should display an view programs page |
| Succesfull View Of Schedule Programs Using History Of The Respective Browser | The system should display an view programs page |
| Failed To Update Programs Due to Invalid Program Description | System displays an error message “Invalid program description”. |
| Failed To Update Programs Due to Empty Program Description Field | System displays an error message “ program name can not be empty”. |
| Failed To Update Programs Due to Invalid Degree Certificate | System displays an error message “Invalid degree certificate”. |
| Failed To Update Programs Due to Empty Degree Certificate Field | System displays an error message “Degree certificate field can not be empty”. |
| Failed To Add New Programs Due to Network Error | The system should display an error message regarding network error. |
| Failed To Add New Programs Due to Database Error | The system should display an error message regarding database error. |
| Failed to Add New Programs Due To Webserver Error | The system should display an error message regarding webserver error. |

1. Special Requirements
   * 1. Performance
2. The system should save exam details within 5 seconds from the time administrator has clicked on submit button.

* + 1. Availability
  1. The administrator should be able to do add exam details 24\*7 and on all days.
     1. User Interface
  2. The letters on Menus shall be bold
  3. The text field should be in enough size
  4. The login button should be displayed in blue color
  5. The active links should be displayed in red color
  6. The visited links should be displayed in purple color
  7. The unvisited links should be displayed in blue
  8. The logout and back button should be available on every page of the application
  9. Look and feel and color of application should be proper.
  10. In case of Field level validation error messages should be displayed in red color.
      1. Security

1. After clicking on back on browser it should take you back to the home page in the list
2. After clicking on Forword on browser it should take you forword to the next page in the list.
3. User Session should get expire if user is inactive for 10 mins.
4. Extension Points

<<Mention the Extension points of the use case.>>

* + 1. <Name of extension point>

<<Use extension points to specify the point of an extended use case where an extending use case's behaviour should be inserted>>

1. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | All fields are mandatory. | The system should display an error message to the user regarding empty mandatory field. |
| BR02 | The exam name should be unique. | The system should display an error message to the user regarding duplicate of exam name. |
| BR03 | The exam code will be auto-generated once the exam name is entered. | The system should display an error message to the user if Exam Date is not auto-generated. |
| BR04 | The commencement of online registration date should be a future date. | The system should display an error message to the user regarding commencing date should not be past date. |
| BR05 | The closure date of an online application should be 30 days from the commencement date. | The system should display an error message to the user regarding application closure date should not be 30 days less than commencement date. |
| BR06 | The date of the exam should be at least 60 days ahead of the commencement date. | The system should display an error message to the user regarding date of examination should not be 60 days less than commencement date. |
| BR07 | The exam description and fees needs to be mentioned along with the exam details. | The system should display an error message to the user regarding unavailability of fee details. |

1. Diagrams
   * 1. Use Case Diagram
     2. Activity Diagram

<< Activity Diagram gives the high level interaction between the user, system and sub systems. Ideally only one activity diagram should be made per use case. >>

1. Scenarios
   * 1. Success Scenarios

* Basic Flow

1. Successful View of Schedule Program

* Alternate Flow

1. Successful View of Schedule Program Using Direct Link
2. Successful View of Schedule Program Using Bookmark Of That Page
3. Successful View of Schedule Program Using History Of The Respective Browser
   * 1. Failure Scenarios

* Exception Flow

1. Failed To Update The Programs Due To Invalid Data In Program Description Field
2. Failed To Update The Programs Due To Empty Program Description Field
3. Failed To Update The Programs Due To Invalid Data In Degree Certifate Field
4. Failed To Update The Programs Due To Empty Degree Certificate Field
5. Failed To Update The Programs Due To Network Error.
6. Failed To Update The Programs Due To Database Error.
7. Failed To Update The Programs Due To Webserver Error.
8. Issues
9. 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

<<Mention the related functionality within the application that is impacted because of this use case. E.g variable or value settings in this use-case which will have a direct impact on the functionality of another use-case. Or vice-versa.>>

**Module:** <<Specify the Module, which will get impacted because of this use case>>

Use case name: <<Use case Name>>

**Impact**: <<Mention the impact on the above mentioned Use case because of this use case>>

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.>>

**Module:** <<Specify the Module, which will get impacted because of this use case>>

**Entity:** <<List down the entities, which can be impacted because of this use case>>

**Information: <<**Mention the Impact in brief. >>

1. Assumptions
2. Bank exam portal application is up & running.
3. Administrator should have latest version of browser for best view of site
4. There should be a stable internet connectivity for smooth execution of process

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

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