Use Case Specification

DMT/RM01/TMP

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

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Nusrat Anjum | Analyst | 24th 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>>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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: Login to the University Admission System 5](#_Toc458607221)

[2. Actor(s): 5](#_Toc458607222)

[3. Preconditions 5](#_Toc458607223)

[4. Flow of Events 5](#_Toc458607224)

[4.1 Basic Flow 5](#_Toc458607225)

[4.2 Alternative Flows 6](#_Toc458607226)

[4.2.1 Alternate Flow 1 6](#_Toc458607227)

[4.2.2 Alternate Flow 2 6](#_Toc458607228)

[4.2.3 Alternate Flow 3 7](#_Toc458607229)

[Exception Flow 1: Exceeded Login Attempts 7](#_Toc458607230)

[Exception Flow 2: Web Server Down 7](#_Toc458607231)

[Exception Flow 3: Database Connectivity Error 7](#_Toc458607232)

[Exception Flow 4: Network Connectivity Error 7](#_Toc458607233)

[5. Post Conditions 7](#_Toc458607234)

[6. Special Requirements 8](#_Toc458607235)

[Performance 8](#_Toc458607236)

[Availability 8](#_Toc458607237)

[User Interface 9](#_Toc458607238)

[Security 9](#_Toc458607239)

[7. Extension Points 9](#_Toc458607240)

[Extension in Alternate Flow 1: 9](#_Toc458607241)

[Extension in Alternate Flow x: 9](#_Toc458607242)

[8. Business Rules 9](#_Toc458607243)

[9. Diagrams 10](#_Toc458607244)

[Use Case Diagram for User 10](#_Toc458607245)

[Activity Diagram 11](#_Toc458607246)

[10. Scenarios 12](#_Toc458607247)

[Success Scenarios 12](#_Toc458607248)

[Failure Scenarios 12](#_Toc458607249)

[11. Issues 12](#_Toc458607250)

[12. UI Specifications 12](#_Toc458607251)

[13. Inter System Dependencies 13](#_Toc458607252)

[14. Integration with an already existing System of the <<Customer>><<Not Applicable>> 13](#_Toc458607253)

[15. Assumptions 13](#_Toc458607254)

1. Use Case Name: Login to the University Admission System

Use Case ID: UAS.APPLY\_FOR\_LEAVE\_001

Brief Description: <<Brief Description of the use case in approx 4-5 lines>>

This Use Case describes the process by which users log into the University Admission System.For Login user must be already registered on the System

1. Actor(s):

1. Employee

1. Preconditions
2. Employee has already login to the website.

1. Flow of Events

4.1 Basic Flow

<< Basic Flow is the main flow or heart of the Use case. Use case starts when the actor does some action i.e. an actor always initiate a use Case. The use case should describe what the actor does and what the system does in response. It should be phrased in the form of a dialog between the actor and the system.

The use case should describe what happens inside the system, but not how or why. If information is exchanged, be specific about what is passed back and forth. For example, it is not very illuminating to say that the Actor enters customer information; it is better to say the Actor enters the customer’s name and address. A Glossary of Terms is often useful to keep the complexity of the use case manageable; it defines things like customer information there, to keep the use case from drowning in details. >>

Name: Successful login to the website

1. Employee clicks on the Login link http:\\peoplesoft.hrmod.com
2. The system displays Login page
3. Employee enters domain Username
4. Employee enters domain Password
5. Employee clicks on the OK button
6. The system validates Username & Password
7. The system navigates employee to the Homepage
8. Employee needs to click on Leave Request link from the Homepage
9. The system navigates to Apply for Leave form.
   1. Alternative Flows
      1. Alternate Flow 1 [I DUNNO ABOUT THE ALTERNATE FLOW PLEASE WITE ALTERNATE FLOW AND UPLOAD]
10. Employee clicks on the Login link on the University Admission System home page
11. The system displays Login page
12. User enters Username
13. User enters Password
14. User clicks on the Login button
15. The system validates Username & Password
16. The system validation fails due to invalid user credentials

4.2.2 Alternate Flow 2

1. User clicks on the Apply for Courses link on the University Admission System home page
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 navigates user to the Course Registration Page

4.2.3 Alternate Flow 3

Exception Flow 1: Invalid Username and Password

1. Employee clicks on the Login link http:\\peoplesoft.hrmod.com
2. The system displays Login page
3. Employee enters domain Username
4. Employee enters domain Password
5. Employee clicks on the Ok button
6. The system validates Username & Password
7. The system validation fails due to invalid username and Password
8. The system displays Error message “The system could not log you in. Please make sure you username and password are correct.”

Exception Flow 2: Web Server Down

1. Employee clicks on the Login link http:\\peoplesoft.hrmod.com
2. The system displays an error message regarding web server unavailability problem

Exception Flow 3: Database Connectivity Error

1. Employee clicks on the Login link http:\\peoplesoft.hrmod.com
2. The system displays Login page.
3. Employee enters domain Username
4. Employee enters domain Password
5. Employee clicks on the Ok button
6. The system validates Username & Password
7. The system displays an error message regarding database connectivity problem.

Exception Flow 4: Network Connectivity Error

1. Employee clicks on the Login link http:\\peoplesoft.hrmod.com
2. The system displays Login page.
3. Employee enters domain Username
4. Employee enters domain Password
5. Employee clicks on the Ok 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 Employee Login to the WebPage | Employee will be logged in to the webpage successfully and system should navigate employee to the HomePage |
| Login to the WebPage with reattempt | Employee will be logged in to the Webpage successfully and system should navigate user to the Homepage |
| 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 ‘Earned Leave’ shall display the number of earned leave balanced in the employee’s account within 15 seconds of employee request

Availability

* 1. The rmployrr can apply for leave on any working days 24x7 but cannot register on national holidays.
  2. Webpage 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 visited links should be displayed in purpule color
  4. The Webpage should be displayed in blue
  5. The logout and back button should be available on every Apply for Leave page
  6. Look and feel and color of Web Page should be proper.
  7. In case of Invalid Login credential error messages should be displayed in red color.

Security

1. The system shall display the letters of Password numbers in a masked format when they are entered by the employee.
2. The Apply for Leave page shall allow employee to Cancel the apllied Leave and it should be displyed on the Leave page.
3. After clicking on back on browser it should takes you back to the previous page to Leave Request.
4. After clicking on Forword on browser it should takes you forword to the next page showing your leave application has been submitted.
5. Employee Session should get expire if employee is inactive for 10 mins.
6. Extension Points

Extension in Alternate Flow 1:

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

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

2. Employee enters the username and password

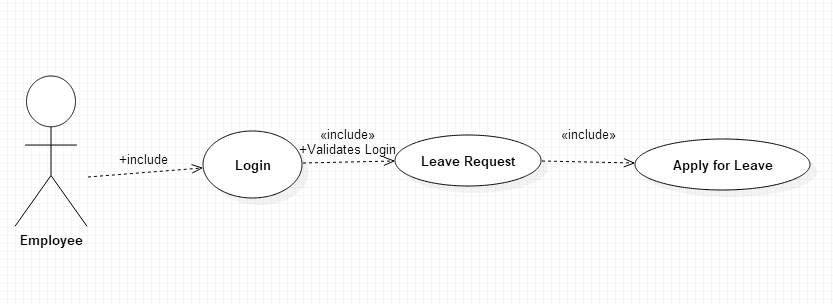
3. The system takes employee to the Step 6 of Basic Flow

1. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | Employee must be valid | Employee is prompted to re-enterr the login credentials |
| BR02 | Employee can view his/her Leave status only by goin to the HomePage | Displays message “You have not applied for any Leave” |

1. Diagrams

Use Case Diagram for User



Activity Diagram<<Not Applicable>>

1. Scenarios

Success Scenarios

* Successful employee login to the Home Page.
* Login to the HomePagewith reattempt

Failure Scenarios

* Invalid Username and Password
* Web Server Down
* Database Connectivity Error
* Network Connectivity Error

1. Issues
2. What is the maximum size of username and password that a employee can have ?
3. What if the employee is blocked after invalid login attempts for more number of times ?
4. UI Specifications
5. Inter System Dependencies

Module: ‘Apply Online for leave’ gets impacted due to :

Use case name: Alternate Flow 1

Impact: If the employee tries to apply for a Leave without login, he should be denied so

1. Integration with an already existing System of the <<Customer>><<Not Applicable>>
2. Assumptions

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

1. The User should be authenticate.
2. User should know the valid URL of University Admission 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 |  |  |  |  |  |