Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PRJ\_ Leave application \_001 |
| Project Name | Leave application |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Kavya Killani | Analyst | 29th January, 2019 |
| Reviewed by | Role | Date of Review |
| Akhila | analyst | 29th January,2019 |
| Approved by | Role | Date of Approval |
| Shilpa Bhosle | Deputy Manager |  |
| 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 | <<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 ‘**Leave application**’ is restricted to the contents of this signed off use case.

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1. Use Case Name: Login to the Leave application

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

**Brief Description:** This Use Case describes the process by which employee can apply for a leave.

1. Actor(s)
2. employee
3. Preconditions
4. User is employee of company and having access to Intranet
5. User has leave balance for applying a leave
6. Flow of Events

4.1 BASIC Flow

Name: User wants to register for Leave (1/2 day or more)

User clicks on the **Login** link on leave application.

1. User will access Intranet

2. Click on Employee Corner

3. Click on Attendance System

4. Select Leave Application – Leave application form will be displayed (Diagram 1)

* 1. Alternative Flows

4.2.1 ALTERNATE Flow 1: successful login to leave application page through url

USER ENTERS url of the leave application

1. Type the leave application URL
2. The system displays Login page
3. User finds his details like name
4. User enters start date and end date and other details.

4.2.2 ALTERNATE FLOW 2: login by entering incorrect date

employee clicks on leave APPLICATION HOME page

1. User will access Intranet

2. Click on Employee Corner

3. Click on Attendance System

4. Select Leave Application – Leave application form will be displayed (Diagram 1)

5. Enter the same start date and end date for 2 days leave.

6. Enter submit button

7. User gets error message that enter valid date or correct date and gets message login again

4.2.3 EXCEPTION FLOW

Exception Flow 1: Login Failure due to Exceeded Login Attempts

User will access Intranet

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed (Diagram 1)

1. The system validation fails due to invalid start date and end date, and user gets no more login attempts remaining
2. The system suspends the user account for next 1 hr.

Exception Flow 2: Login Failure due to without filling reason

1. User will access Intranet

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed (Diagram 1)

Enter valid start date and valid end date

Enter the type of leave

Leaving the reason field empty

Exception Flow 3: Login Failure due to non-updating of leave balance last time

User will access Intranet

2. Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed (Diagram 1)

Enter valid start date and valid end date

Enter the type of leave

Write the reason

Enter submit

leave approved status is fail due to non-updating of leave balance

Exception Flow 4: Web Server Down

1. User clicks on the **Login** link on the leave application page
2. The system displays an error message regarding web server unavailability problem

Exception Flow 5: Database Connectivity Error

1. User clicks on the **Login** link on the leave application page
2. The system displays **home** page.
3. User enters start date and end date
4. The system displays an error message regarding database connectivity problem.

Exception Flow 6: Network Connectivity Error

1. User clicks on the **leave application link**
2. The system displays **home** page.
3. User enters start date and end date
4. The system displays an error message regarding network connectivity problem.
5. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful in applying the leave | User will be logged in to the leave application successfully and message should be generated in user’s mail |
| Login to the leave application with reattempt | User will be logged in to leave application successfully and system should navigate user to the leave application by giving message to the mobile number or mail |
| Exceeded Login Attempts | The system should suspend the user account and should inform the user that his/her account has been suspended |
| 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 ‘leave application’ display the leave application home page within 10 seconds of user request

Availability

* 1. The user can apply only on working days 24x7 but cannot apply on national holidays and Saturday and Sunday.

User Interface

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

Security

1. If user enters his/her employee Id while logging in only he can see his leaves and he can apply for the leave, otherwise he cannot apply leave with other user’s id.

Extension in Alternate FLOW 2:

if the employee has entered wrong start date and wrong date

1. The system prompts the employee to re-enter the leave page

1. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
|  | Employee Id cannot be duplicate | Employee fails to apply leave if the other person with same id applied for the leave. |
| BR01 | Employee applying date should be before leave date | Employee cannot apply if the applying date is after the date of leave which is invalid. |
| BR02 | Employee leave application should update every time. | If employee leave application is not updated, then employee cannot take leave for the next time |

1. Scenarios

Success Scenarios

* Successful employee login to leave application page
* Login to leave application page with reattempt

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 employee can have?
* What if the employee is blocked after invalid login attempts for three times?