Use Case Specification

|  |  |
| --- | --- |
| Project Code | Proj\_Used\_cases |
| Project Name | Leave Application |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Roshini Rajan | Testing | 02/28/2017 |
| Reviewed by | Role | Date of Review |
| Roshini. Rajan | Testing | 02/28/2017 |
| Approved by | Role | Date of Approval |
|  |  |  |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | <1.0 > |  |

<<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 **Leave application** is restricted to the contents of this signed off use case.

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1. Use Case Name: Applying for leave through the Leave Application.

**Use Case ID:**  ARMS.USER.UC001

**Brief Description:** To apply for leave through the ARMS leave application portal.

1. Actor(s)

User

1. Preconditions

* User has access to Intranet
* User has leave balance for applying a leave
* User has already logged into the system.

1. Flow of Events

4.1 BASIC Flow

**Name:** Successful registration for leave

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date

Selecting the check box for Half day

Selecting the session for Half day leave.

Select the Type of Request

Provide the Reason for Leave

Click Submit.

4.2 Alternate Flow

4.2.1 Alternate Flow 1: Applying for cl.

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date

Selecting the check box for Half day

Selecting the session for Half day leave

Select the Type of Request as CL.

Provide the Reason for Leave

Click Submit.

4.2.1 Alternate Flow 2: APPLYING FOR SL

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date

Selecting the check box for Half day

Selecting the session for Half day leave

Select the Type of Request as SL.

Provide the Reason for Leave

Click Submit.

4.2.1 Alternate Flow 3: APPLYING FOR PL

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date

Selecting the check box for Half day

Selecting the session for Half day leave

Select the Type of Request as PL.

Provide the Reason for Leave

Click Submit.

4.2.1 Alternate Flow 4: APPLYING FOR mL

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date

Selecting the check box for Half day

Selecting the session for Half day leave

Select the Type of Request as PL

Provide the Reason for Leave

Click Submit.

4.2.1 Alternate Flow 5: APPLYING FOR FF

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date

Selecting the check box for Half day

Selecting the session for Half day leave

Select the Type of Request as FF.

Provide the Reason for Leave

Click Submit.

4.2.1 Alternate Flow 6: APPLYING FOR LEAVE >= 1 DAY

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date so that it is >= 1 day.

Un check box for Half day

Leave the session for Half day leave unselected

Select the Type of Request as FF.

Provide the Reason for Leave

Click Submit.

4.2.1 Alternate Flow 7: CL cannot be applied for more than 3 continue days

Click on Employee Corner

Click on Attendance System

Select Leave Application – Leave application form will be displayed

Selecting the From Date

Selecting the End Date so that it is >= 3 days.

Selecting the check box for Half day

Selecting the session for Half day leave

Select the Type of Request as CL.

Provide the Reason for Leave

Click Submit.

Sub Flows

<<Functionality, which can be commonly used within a use case, is separated out in a section, which can be referred in the basic flow and alternate flow, such common functionality is described in a Sub flow. Think of the sub flow as a function, which can be called more than once in a use case. Sub flow has no existence outside this use case similar to Alternate flow. Sub flow always resumes back to the same point from where it was called. >>

Sub Flow 1

<< Sub Flow should be divided in the below mentioned 2 sections:

Entry Point: State from where do we enter in this Sub flow

Action Description: State the various actions, which can be done by the user and system in this use case. Action should be noted in a dialogue form such as ‘User does this……‘ , ‘System does this ……’ . Ideally this should be in bullet or number format >>

1. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Basic flow (User should apply for leave) | The user will successfully apply for leave |
| Alternative Leave(Applying for CL) | The User will apply for the CL leave successfully. |
|  |  |
|  |  |

1. Special Requirements

Performance

1. Click on “leave application” shall display the application within 5 seconds of user request.

Availability

1. the employee can apply for leave only on working days 24x7. leave cannot be applied for week offs AND 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

1. Extension Points

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

<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

<<Identify any Business Rules applicable to this Use Case. Any generic business rule should be captured in a separate Common Business rules document or in the supplementary specification]

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR\_01 | Leave should be applied for future dates. | It should display an error message that leaves can be applied for future dates only. |

1. Diagrams

Use Case Diagram

<< Gives the relationship between Actors and Use cases [i.e. Main Use case, Include and Extends called by Main use case>>



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

[Identify the scenarios using Basic Flow, Sub flow and Alternate flows]

Success Scenarios

[List different success scenario.]

* <<Name of success Scenario>>
* <<List the flows involved i.e. basic and/or alternate and/or Sub flows involved in this success scenario>>

Failure Scenarios

[List different failure scenario]

<< Failure scenarios should include exceptions, validation of Use case and Common Business Rules, UI Validation and other failure conditions of the use case>>

1. Issues

<< List any potential problems or known dependencies that are likely to cause this use case to fail (technical failure, staff absence, etc).

Note that this section should not have Queries related to this use case here, they should be tracked in a separate excel. If you wish you could link to that excel?

>>

1. 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

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

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

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