Software Requirements Specification Document

OPF Team Event Management System(35) , Team 44 ,
Inturi Suhas Reddy , Akhil Batra , Amitha Reddy , Pranav.

Brief problem statement

We have to build an OPF management SaaS application (both in web and mobile formats) which allows the OPF team of the company to create, organize, schedule and manage the events for the employees of their company. The employees can view the schedule of planned events, register for them and also pitch in their ideas and discuss them. Adding to these,we also do analysis of the events and decide which is the most preferred event depending on the interests of the employees, monetary feasibility etc. We also fetch web suggestions and locations. Immediate notifications can be sent to the users (to their progress email IDs). A feedback option in the post-event scenario will also be present to help the OPF team plan the future events better.

System requirements

Progress Rollbase Cloud Development Framework, Amazon Database, HTML, CSS, Javascript, Ajax, JQuery, Rollbase server-side APIs, Rollbase built-in Formulas. We may also use APIs of third party websites to get web suggestions during event creation.
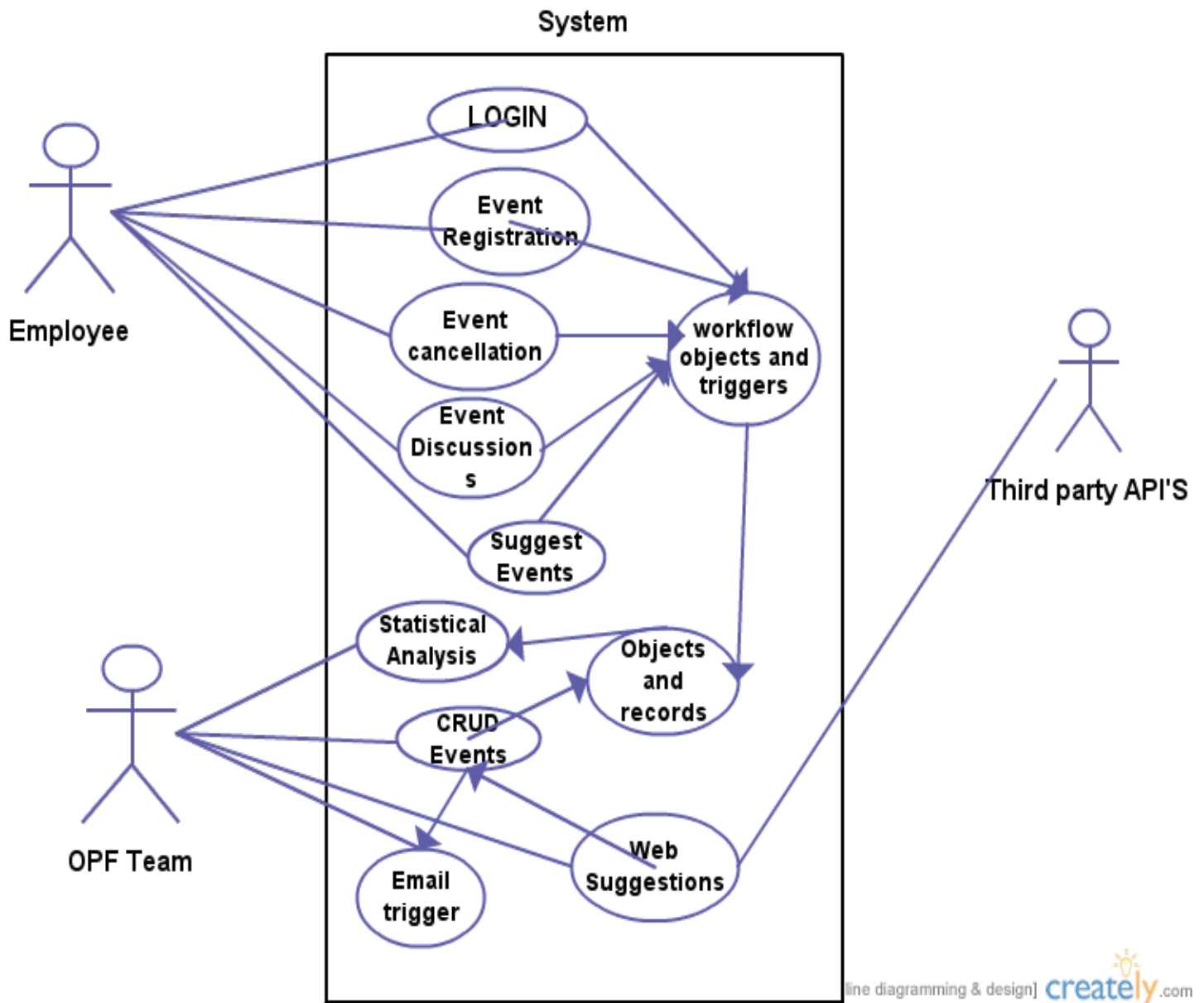
Users profile

OPF Management Team will be administering the application(admin access through login) which includes event creation, modification, cancellation and also controlling the various settings of websites like choosing to send email notifications etc. They can also query for reports of event feedback analysis and other statistical analysis of events, setting up meetings to discuss events.

The other employees will be able to view the events, register for them and pitch in ideas and comment on them when logged in or through other verification method.

Feature requirements (described using use cases)

No.	User Case Name	Description	Releae
1.	Login	Authentication system for Employees	R1,R2
2.	Event Registration	View of all new events and their registration	R1,R2
3.	Cancellation of registered events	View all the registered events for an employee with option for it's cancellation	R1,R2
4.	Event threads	A thread page for commenting new suggestions for events and.	R1,R2
5.	Suggest Events	An interface for users to provide suggestion to OPF team regarding events.	R1,R2
6.	CRUD Events	Create, read, update ,delete events by OPF team	R1
7.	Statistical Analysis	Statistical analysis view of previous events using charts and graphs for OPF team	R1

Use case diagram

System

LOGIN

Event Registration

Event cancellation

workflow objects and triggers

Event Discussions

Suggest Events

Statistical Analysis

Objects and records

CRUD Events

Web Suggestions

Email trigger

Employee

OPF Team

Third party API'S

Use case description:

Use Case Number:	UC01
Use Case Name:	Login
Overview:	Employees have to log into their accounts.
Actors:	Employees
Pre condition:	The employee must be a registered user.
Flow:	Main (success) Flow: 1. He must type in his Username and password. 2. A database query validates username and password and credentials verified. 3. The user is now logged in and is directed to the View Events page with a logout option.
	Alternate Flows: 2.A1. A database query invalidates username and password. 2.A2. The user is redirected to the login page with a notification that asks him to enter the correct details.
Post Condition:	The user is logged in and is on the View Events page.

Use Case Number:	UC02
Use Case Name:	Event Registration
Overview:	A user registers for an event.
Actors:	Employees
Pre condition:	User is logged in and is viewing events.
Flow:	Main (success) Flow:1.The user selects an event from list of events. 2. Selected Event and it's details are shown with register option for that event. 3. User clicks on register. 4. User registered successfully for the event and is redirected to view event pages.
	Alternate Flows: 3.A1. User doesn't choose to register and click on go back to view all events.
Post Condition:	The user is registered for an event ,the event will be added to the employee's list of registered events and the employee will be added to the list of users registered for that event.

Use Case Number:	UC03
Use Case Name:	Cancellation of registered events
Overview:	A user can cancel an event he is registered for.
Actors:	Employee
Pre condition:	The user must be registered for the event to cancel his registration for the event.
Flow:	Main (success) Flow: 1. The user views his registered events. 2. He selects an event that he wants to cancel. 3. A prompt for cancellation to proceed is given. 4. User confirms cancellation. 5. The cancellation takes place and the user's registered events list gets updated.
	Alternate Flows: 4.A1 The user refuses the confirmation prompt for the cancellation of the event. 4.A2. User is back to view of registered events
Post Condition:	The canceled event is removed from the user's list of registered events.

Use Case Number:	UC04
Use Case Name:	Events Thread.
Overview:	A thread page for commenting new suggestions for events and.
Actors:	Employee
Pre condition:	The user is on thread page page of an event.
Flow:	Main (success) Flow: 1. System Views all suggestions(comments) for the event. 2. User clicks on suggest button. 3. An input form appears. 4. User enters his suggestion or comment and click on suggest button.
	Alternate Flows: 2.A1. User select thread of another event from side-list of events to see it's suggestion. 2.A2. Flow goes back to point 1. of main flow for this event.
Post Condition:	Comment is added to suggestions and user is on thread page of the event.

Use Case Number:	UC05
Use Case Name:	Suggest Events
Overview:	An interface for users to provide suggestion to OPF team regarding new events.
Actors:	Employee
Pre condition:	A user opened new event suggestion page.
Flow:	Main (success) Flow: 1. A form appears with fill in option of necessary details regarding a new event and it's description. 2. User fill in all details. 3. User clicks on submit. 4.Successful submission notification with option to go back to events view page.
	Alternate Flows: 3. A1. Validation of form gives error. 3.A2. User is notified with details of error and to resubmit the form.
Post Condition:	Form is successfully submitted and suggestion is added to feed object.

Use Case Number:	UC06
Use Case Name:	CRUD Events
Overview:	Create, read, update ,delete events by OPF team
Actors:	OPF Team Admin.
Pre condition:	Admin has selected events object in application object model interface.
Flow:	Main (success) Flow: 1. Object view of events appears 2. The user creates the event with the suited details. 3. An email notification goes out to all admins. 4. event record with all details added to Object event.
	Alternate Flows: 2.A1. User selects a record already existing. 2.A2. User update that record. 2.A3. Record gets updated
	Alternate Flows:2.A1.A1. User delete that entry with trash button. 2.A1.A2. The record is removed from the object.
Post Condition:	Event Object and Objects related to it are updated with provided CRUD operation.

Use Case Number:	UC07
Use Case Name:	Statistical Analysis
Overview:	Statistical analysis view of previous events using charts and graphs for OPF team
Actors:	A Team Admin
Pre condition:	There must be records of previous records and user has selected the tab for statistics view.
Flow:	Main (success) Flow: 1. user select the type of chart or graph. 2. user select the relevant field available to select for chart/graph. 3. user click submit. 4. chart/graph is generated. 5. User click save button to save the chart/graph. 6. chart successfully saved.
	Alternate Flows: 3.A1. User click new button. 3.A2. Flow redirected to 3.
Post Condition:	Enter the condition that must be true when the main flow is completed.