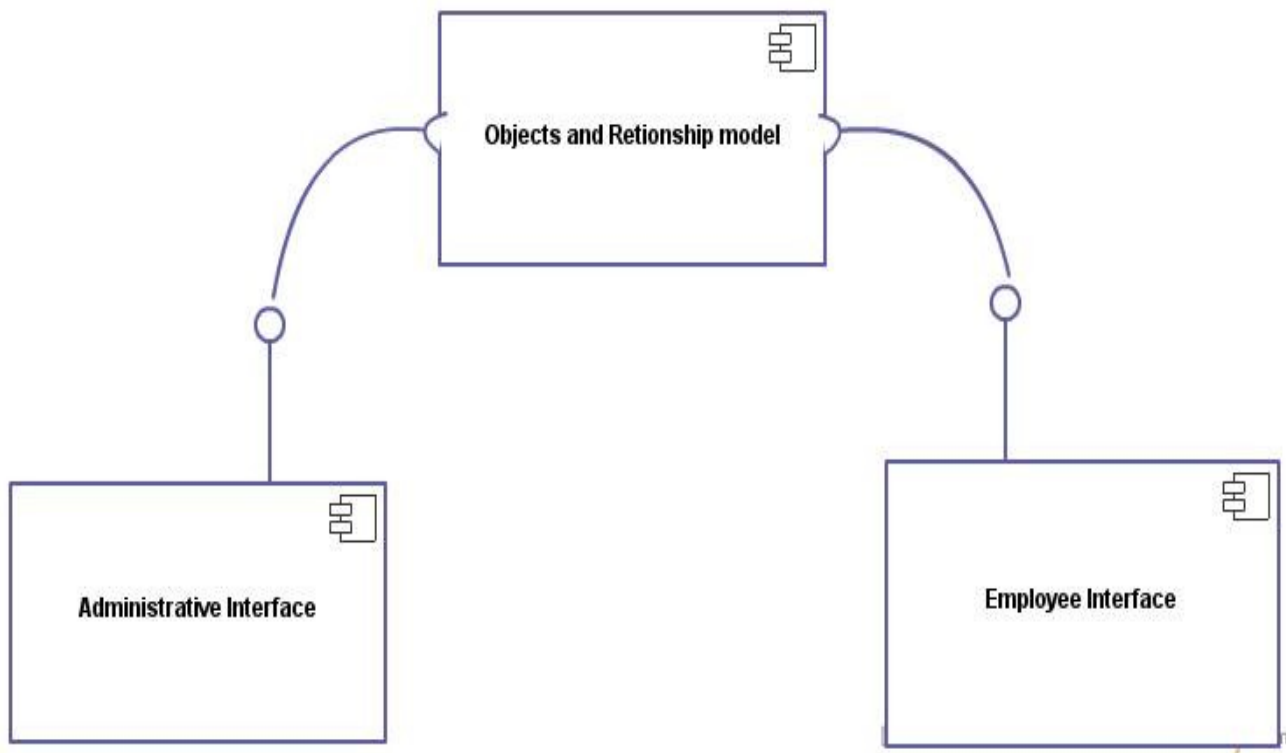# Product Design

Team Number :   **44**

Team Project Number : 35

Project Name : OPF Event Management System
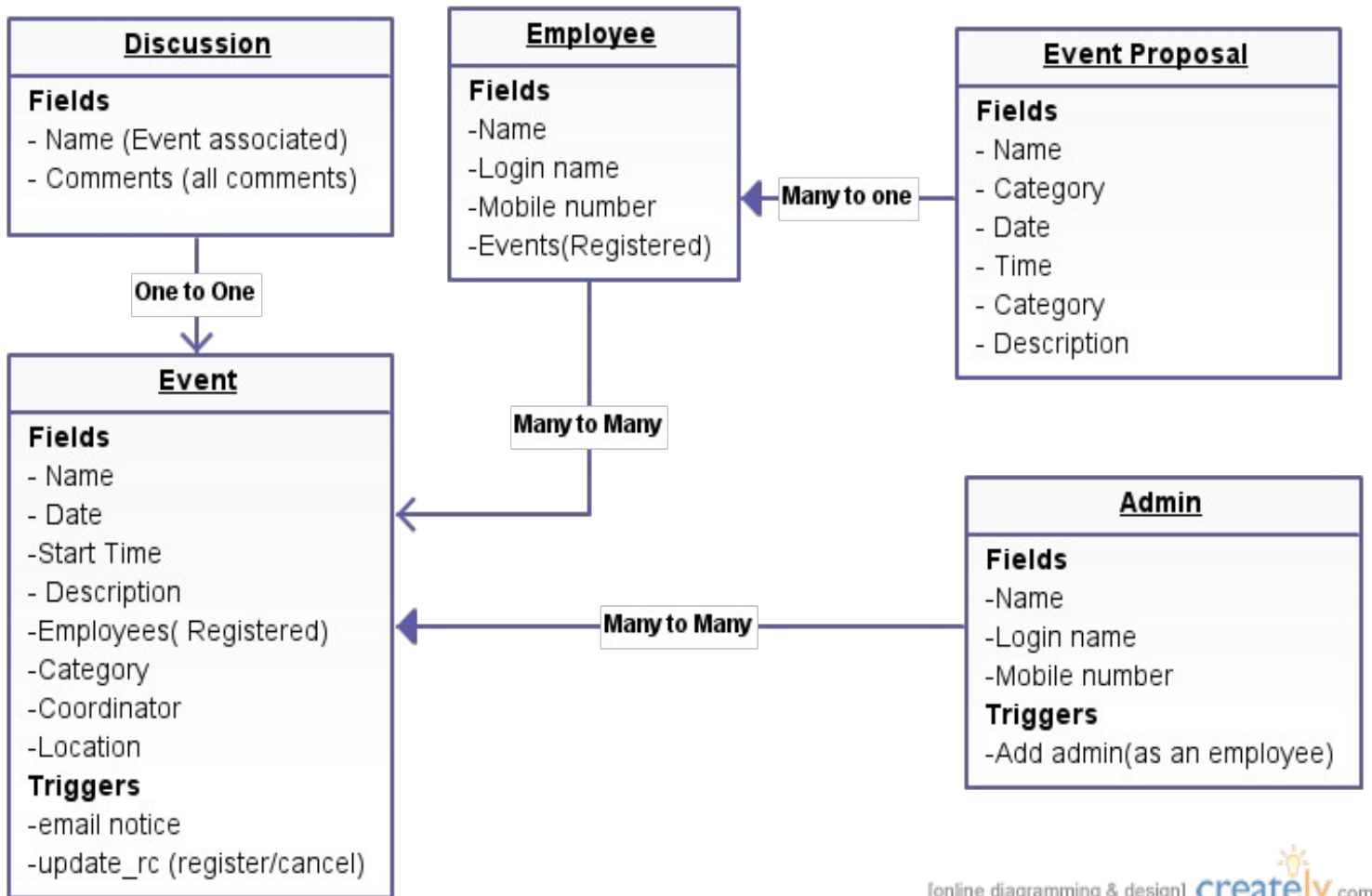
Team Members : Akhil Batra, Amitha G., Pranav Samvith B, Inturi Suhas Reddy.

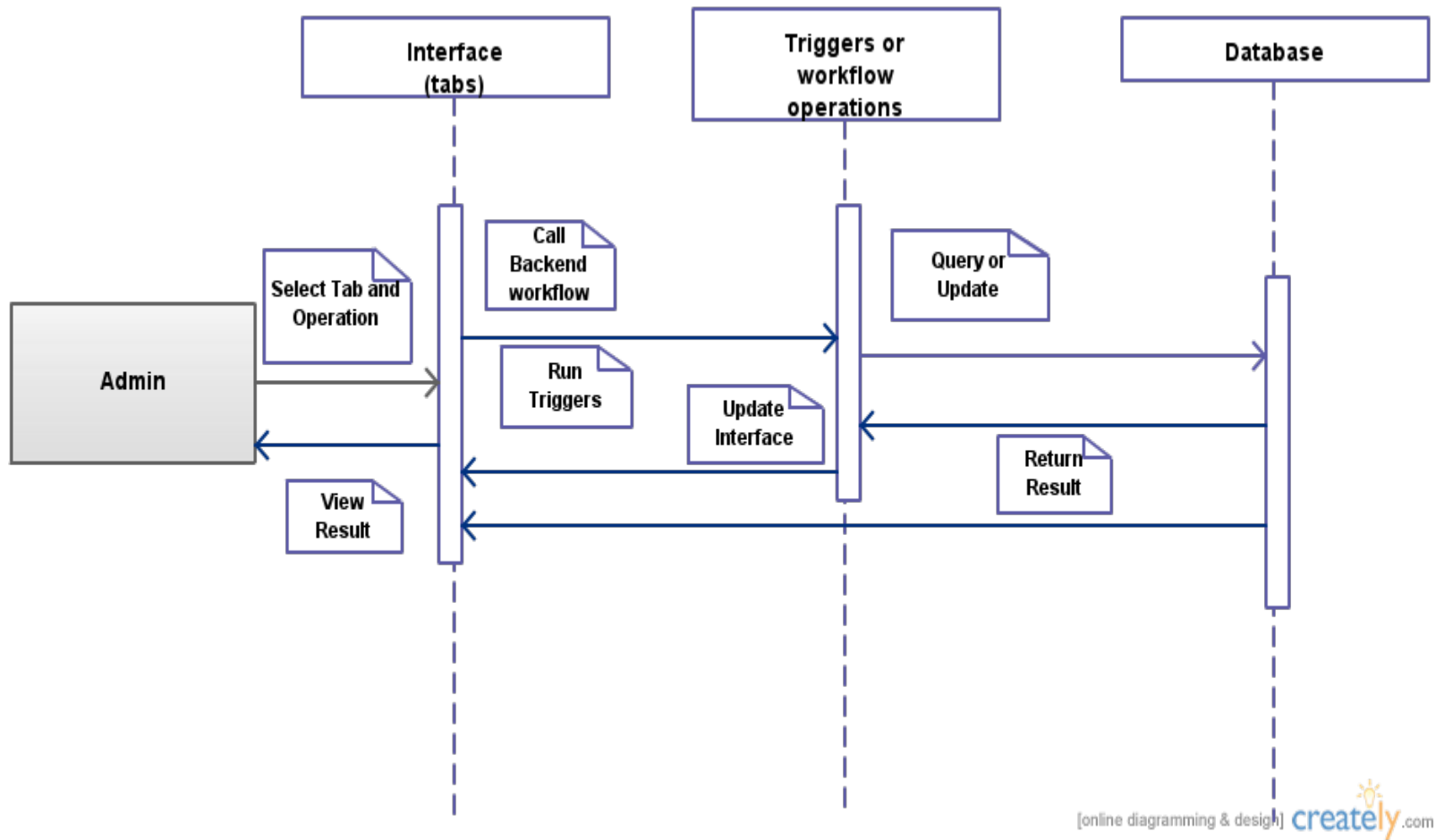## Architectural Model

Administrative Interface	*Component state* • Have tabs corresponding to objects and and dependent objects, with buttons and controls for CRUD operations. **Component behavior** • Enable creation of new events and update them. • Viewing of events proposals • Delete an event • View comments of employees on events • Request event statistical analysis generation
Employee Interface	**Component state** • What information is the component responsible for maintaining? • Portal with login requirement consisting pages for event registration, event proposals and event discussions. **Component behavior** • Propose new events • Register and cancel for events • Discuss regarding a particular event
Objects and Relationships Model	**Component state** • Have object definitions, fields and records. • Enables establishment of relationships and corresponding related fields. **Component behavior** • Provide a relational structure for the database. • Include various triggers and templates for implementing back-end work flows for dependent fields.

Object Diagram(s):

Discussion

Fields
- Name (Event associated)
- Comments (all comments)

Employee

Fields
-Name
-Login name
-Mobile number
-Events(Registered)

Event Proposal

Fields
- Name
- Category
- Date
- Time
- Category
- Description

One to One

Many to one

Event

Fields
- Name
- Date
-Start Time
- Description
-Employees(Registered)
-Category
-Coordinator
-Location

Triggers
-email notice
-update_rc (register/cancel)

Many to Many

Many to Many

Admin

Fields
-Name
-Login name
-Mobile number

Triggers
-Add admin(as an employee)

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Sequence Diagram(s):

Tabs

Pages

Rollbase APIs (workflows)

Database

Select Tab

View Page

Highlight tab

View Result

Employee

Register or Cancellation

Proposal Submission

Comment on discussion

Callbacks and Results

Query and update operation

Return result
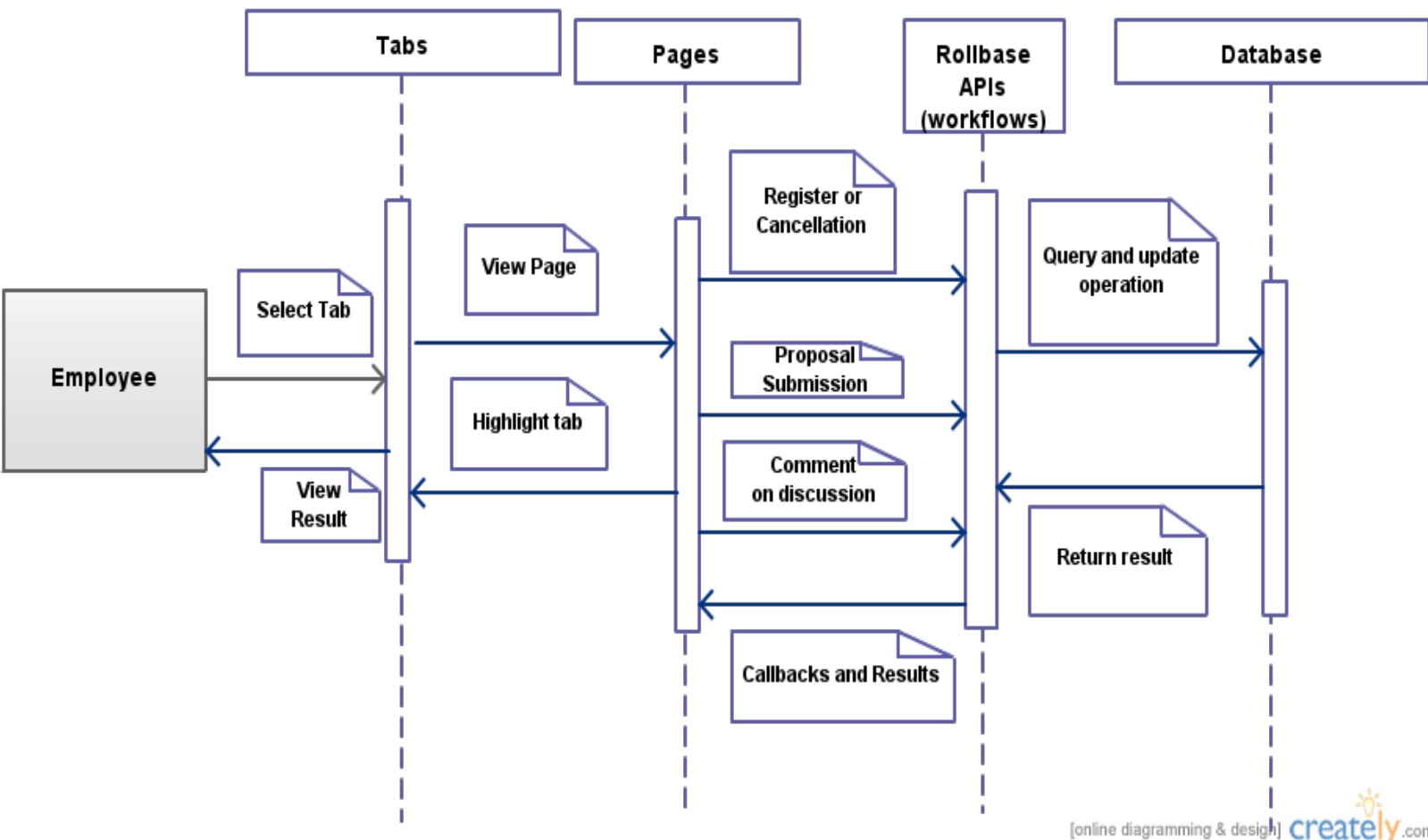
Design Rationale:

- Our original design included an option called "Give Feedback" for every event. This option was scrapped because a discussion page with comments of the employees registered for the event seemed preferable to that of just giving discreet feedbacks.

- We also decided to give an option to the employees to register themselves on the portal for login, for the app to be implemented even in the absence of a central authentication system.