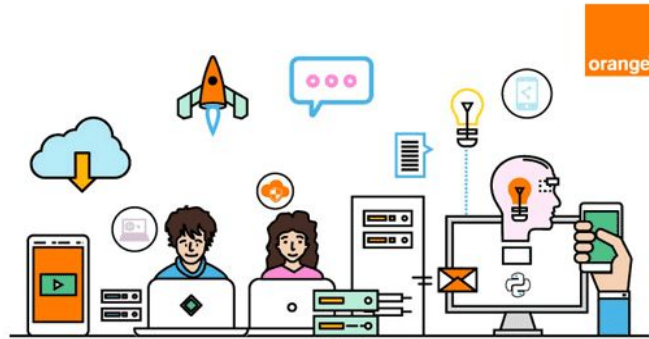**Orange Coding Academy Internship 2019**

Software Requirement Specification (SRS)
Event Booking System

Version 1.0

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Date
Dec 2019

Table of contents

1 Introduction

1.1 PURPOSE

This document presents a detailed description of the Event Booking system, This document will be completed in its scope of the system and the functions required. The system provides a solution to allow the user to search for events satisfying the user criteria, manage the user account, and book an event.

The purpose of fireworks is to outline the requirements for The Coding Academy's by Orange With an interactive, unique and unusual ideas. Fireworks will be built on Apache Server, PHP,laravel, and MySQL with JavaScript, React. It will be Web Application and accessible with any standard compliant browser.

This guide will cover understanding the overview of the website , how it works and the technology behind it.

1.2 INTENDED AUDIENCE AND PERTINENT SECTIONS

the intended audience for the Fireworks is web designers, people who are interested in events & activities, Academicians and the Education Industry, students and faculty who are currently using or are interested in using the web platform.

Developer: If the developer wants to read, change, modify or add new requirements into the existing system, he must first consult this document, update the requirements in an appropriate manner and pass the information correctly to the other phases of the development process.

User: The user of this program reviews the specifications presented in this document determines if the software has all the suitable requirements and whether the software developer has implemented all of them.

1.3 Project Scope

The Fireworks website is an application. The purpose of the website is to resolve the client to allow website users to perform tasks related to booking Events. Non-member users are only allowed to see Home Page; non-member users are required to create an account in order to book a ticket. Member users are required to login into their account prior to event booking, they have the right to search for available events, to book a ticket, claim awards and to edit their member information, Member with company role will be able to create a new event and tracking the status of it and number of booking happened each day.

1.4 DOCUMENT CONVENTIONS

PHP - A server scripting language

MySQL - The database that will be used for this project

Apache - A web service

laravel- PHP web framework

React -JavaScript library

1.5 REFERENCES

PHP

Apache

Laravel

React.js

2 DESCRIPTION

2.1 Product Perspective

This project represents the initial version of the Events Booking system. All requirements listed describe the booking system. At a high level, this project will allow a user to book Events, check Events, do account maintenance, and query Events information. The goal is to allow users greater and easier access to the Events booking system, twenty-four hours a day.

2.2 Product Features

We can subdivide the project into 8 main features. Details of each of the following functions can be found in Section 3.

2.2.1 Login Description:

This function allows a registered user to log in to his account using his frequent email with the password. If a user is not registered, the website shall allow the user to enroll first. The system will check both the frequent email and password when a user attempts to log in.

This provides security to the system by authenticating each member and provides confidence to the consumer that his/her personal information is secure

2.2.2 Book Event Description:

The user can use the book *Events* function to purchase seats for event, The system shall present the user with information on all current events. Finally, the system shall guide the user completely through the checkout process.

Rationale:

The heart of the business is selling seats on events. This section provides the primary source of system transactions

2.2.3 Book Schedules Description:

 This section of the system shall allow a user to query event schedules based upon simple input criteria. The user will provide time,date, price and type of event. If any event matches the criteria, the system will display events, Otherwise, the system shall alert the user that no matching events can be found.

Rationale:

 A customer will want to book events based on his/her plans. This section provides the user a choice of available events from which to pick.

2.2.4 My Profile Description:

This section gives the user the power to view, save, edit or delete the information stored in the user account. The user can check his accumulated points, look at the status of events that were booked, claim awards, view favorite events and change his favorite type of event, name, email or password. This feature is not available for non-registered users.

Rationale:

 A customer's information changes from time to time. Giving the users a way to modify their account information allows the business to have current & updated information.

2.2.5 Create new event Description:

This section gives the user with role Company the power to add an event on the website by

submitting the event information

Rationale:

 A Company will be able to Announces the event on website and tracking the status of it

2.2.6 Logout

 The logout section provides a way for the user to securely log out of the system. This process will save all user operations when he/she exits the system. If a user wishes to continue accessing the website, he must log-in again to access user features.

Rationale:

Users often use shared computers. Providing a way to clearly state and log-out gives our users confidence that nobody else will use their event-booking session

2.3 USER OVERVIEW

The main actors in the system are the user, a company and admin. Brief descriptions of these classes follow:

User - The User is person has properties like Name, email, password Associated with event points and Credit Card information.can log into the website and searching any events available depend on his filtration formatting such as price,date,time and type of event ,book events,each time he book an event his profile points will increase so he can claim awards ,edit his profile and add events to his favorite list

Company -This person can create new event ,show his pending approval request,edit event information ,remove event request and tracking booking number .

Admin - This is an employee of fireworks. This person can create categories, approve event requests, remove events and add awards.

2.4 OPERATING ENVIRONMENT

This website is designed to run any system that is capable of running Laravel. This covers a wide variety of machines, including operating systems Mac OS X, Windows XP, and Vista and Linux. The sole requirement for the user is a web browser (Safari, Firefox or Internet Explorer) with an active internet connection.

2.5 CONSTRAINTS: IMPLEMENTATION / DESIGN

The system shall be developed using visual studio code and PHP storm extension.

2.6 DOCUMENTATION

The system shall provide an online link to the learning resources available on GitHub for the understanding of the user

2.7 ASSUMPTIONS / DEPENDENCIES

The server used is Apache 2, The database used is MySQL 5.5, The runtime environment is node.js is 10.16

3 SYSTEM FEATURES

3.1 Login Page

Description: providing the user with a page to login to the website.
Priority = 9

Stimulus/Response Sequences:
Stimulus: User clicks on Login Link.
Response: Login Page is displayed
Stimulus: User Enters Username and Password
Response: Username and Password are validated from MySQL Database.
Stimulus: User Clicks on the Login Button
Response: Home Page is displayed if Username and Password are correct else Error Message is displayed.

Functional Requirements
The user shall be able to view and click on the Login Link.
The user shall be able to enter the username and password
The database shall be able to validate a username and password.

3.2 View Event

Description: providing the user with a page to view the event and information of it
Priority = 9

Stimulus/Response Sequences:
Stimulus: User clicks on Event Link
Response: Events are displayed
Stimulus: User clicks on a particular event
Response: The event page and Book button, Favorite Button are displayed.

Functional Requirements
 The user shall be able to view and click on the Event Link.

The user shall be able to view the details for each event.

3.3 View Profile

Description:
Provide the user with a page to view his information
Priority = 9

Stimulus/Response Sequences:
Stimulus: User clicks on Profile link
Response: The profile is displayed.
Stimulus: User clicks on Edit
Response: The form of his information is displayed.
Stimulus: User clicks on claim
Response: The awards page is displayed.
Stimulus: User clicks on claim it button
Response: The awards points will decrement his profile points
Stimulus: User clicks on Reservation
Response: The reservation page will be displayed
Stimulus: User clicks on Favorite event
Response: The Favorite event page will be displayed with details Button & remove it Button

Functional Requirements
The user shall be able to view his profile, awards, reservation, and favorite events pages

3.4 Custom Event

Description :
The user view Custom Event page
Priority = 9

Stimulus/Response Sequences
Stimulus: User clicks on the Custom Event page
Response: The custom page is displayed.
Stimulus: The user can filter the event from date, time and price inputs.
Response: event that matches with inputs will display

Functional Requirements
The user shall be able to filter events.

3.5 View Contact us

Description :
The User shall be able to view the news forum.
 Priority = 9

Stimulus/Response Sequences:
Stimulus: User clicks on Contact us page
Response: Contact us Page is displayed.

Functional Requirements
The system shall be able to view contact us.

3.6 Logout

Description and Priority
The user shall be able to Logout.
Priority = 9

Stimulus/Response Sequences
Stimulus: User clicks on the Logout link
Response: User is logged out and the index page is displayed.

Functional Requirements
The user shall be able to logout from the System.

3.7 Create Event Page

Description
The user with role company shall be able to create a new event.
Priority = 9

Stimulus/Response Sequences
Stimulus: User clicks on New Event link
Response: The new event page is displayed.
Stimulus: User can fill in the form
Response: Event will create and added on the pending request page.

Functional Requirements
The User/Company can be able to view the New Event page and create a new event.

3.8 Admin Dashboard

Description
The Admin shall be able to access the website .
Priority = 9

Stimulus/Response Sequences
Stimulus: Admin Click on Event link
Response: The event page is displayed.
Stimulus: Admin will approve, reject and remove events
Stimulus: Admin Click on Category link
Response: Category will display.
Stimulus: Admin will add and remove categories
Stimulus: Admin Click on Awards link
Response: Awards will display.
Stimulus: Admin will add and remove Awards

Functional Requirements
The Admin has dashboard

4 REQUIREMENTS OF EXTERNAL INTERFACE

4.1 USER INTERFACES

The system shall provide all functionalities and activities supported

The pages shall permit complete navigation and item selection.

Provide User interface to create an event

Provide User interface to book event

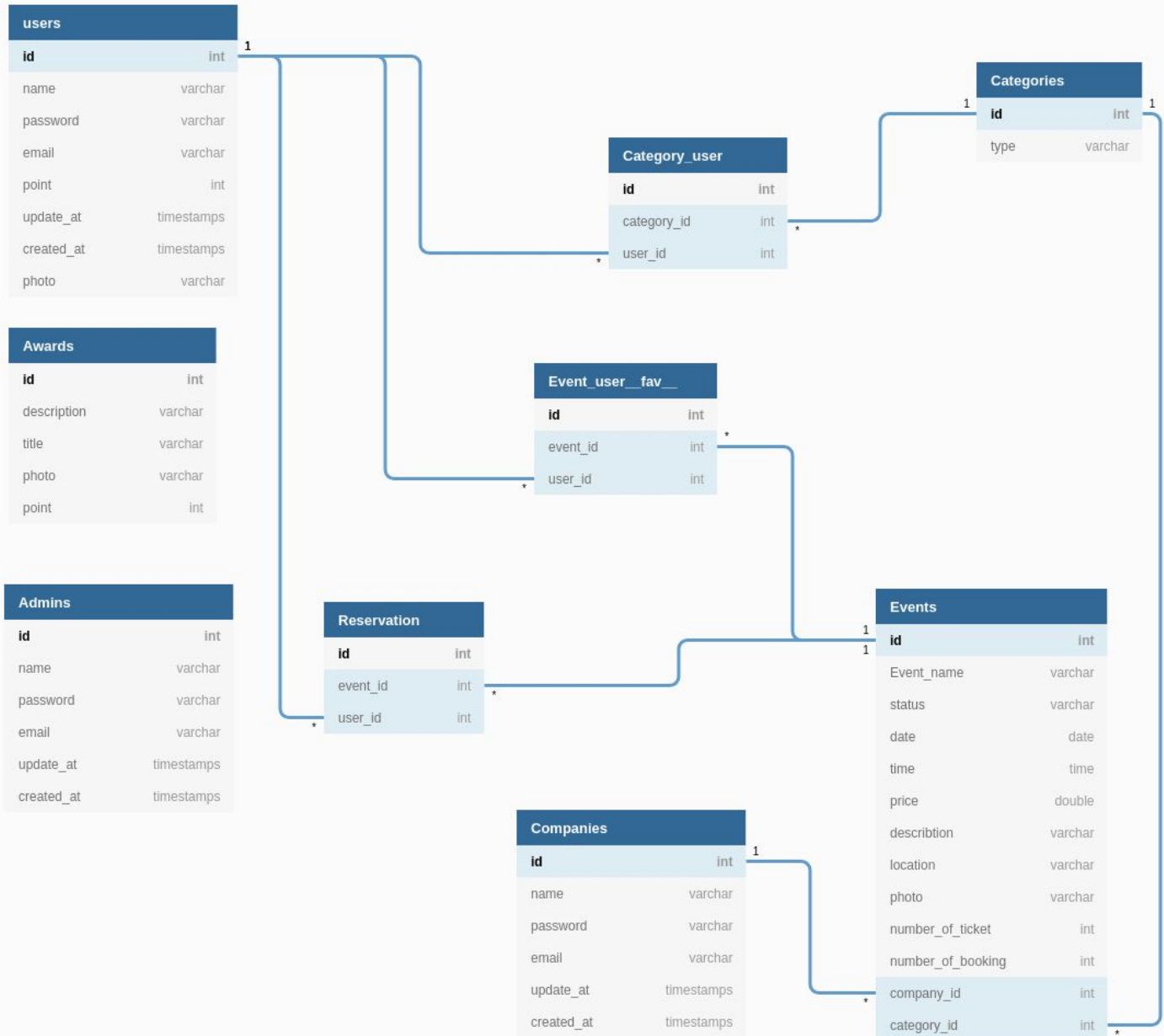Provide User interface to edit information

Use Case Diagram

Class Model

Reservation

Date : String
Event_id:Number
User_id:Number

Check Payment()

Admin

Name : String
Email : String
Password : String

Accept Event()
Reject Event()
Remove Event()

User

Name : String
Email : String
Point : Number
Password : String

Edit Profile()
Book Event ()
Calim Awards ()
Favorite Event()

Event

Title : String
Location : String
Price:Number
Type:String

Create Event()
Search Event()

Awards

Name : String
Pont:Number

Create Award()
Get Award()

Category

Name : String

Create Category()
Select Category()

Company

Name : String
Email : String
Password : String

Edit Event()
Remove Event()
Send Event form()

DataBase Design

users

id	int
name	varchar
password	varchar
email	varchar
point	int
update_at	timestamps
created_at	timestamps
photo	varchar

Awards

id	int
description	varchar
title	varchar
photo	varchar
point	int

Admins

id	int
name	varchar
password	varchar
email	varchar
update_at	timestamps
created_at	timestamps

Category_user

id	int
category_id	int
user_id	int

Categories

id	int
type	varchar

Event_user__fav__

id	int
event_id	int
user_id	int

Reservation

id	int
event_id	int
user_id	int

Companies

id	int
name	varchar
password	varchar
email	varchar
update_at	timestamps
created_at	timestamps

Events

id	int
Event_name	varchar
status	varchar
date	date
time	time
price	double
describtion	varchar
location	varchar
photo	varchar
number_of_ticket	int
number_of_booking	int
company_id	int
category_id	int

4.2 SOFTWARE INTERFACES

Apache Server 2.2, MySQL 5.5.31, PHP 5.4.6, Axios and composer must be installed

4.3 COMMUNICATION INTERFACES

The system must utilize the standard HyperText Transfer Protocol (HTTP) to ensure maximum inter-browser compatibility. The client accesses the system through a web browser.

5 ADDITIONAL NONFUNCTIONAL REQUIREMENTS

5.1 PERFORMANCE

The Fireworks Website shall have capabilities to accept 500 connections. For each session, the system shall guarantee the connection time 5 minutes from the last input, after which the connection will be deemed expired. A close operation will be performed when expired. This design is to satisfy each user's usability and connection quality.

5.2 SECURITY

Passwords must be a minimum of eight characters and must contain one to eight digits.

Email addresses should be verified before the system grants the user access. This verification shall be exercised by sending the prospective user a confirmation email after enrollment. This email must contain information specific to completing the enrollment process.

All exchanges from client to server involving private data shall occur using the highest available level of secure connection (e.g., https)

5.3 SAFETY

Checking the fact that all clients must be attached to one server, so there is an appropriate control of the information.

5.4 SOFTWARE QUALITY

The system shall be available to users all the time.
The system shall always have something to function and always pop up error messages in case of component failure.
The system shall generate the correct pages with an accuracy of 99%.
The system shall provide the right tools to support all its features.

6. APPENDICES

6.1 APPENDIX A: WireFrame

figure1:logIn

Home

LogIn

Regestration

Email

Password

Name

Register

Figure2:Registration
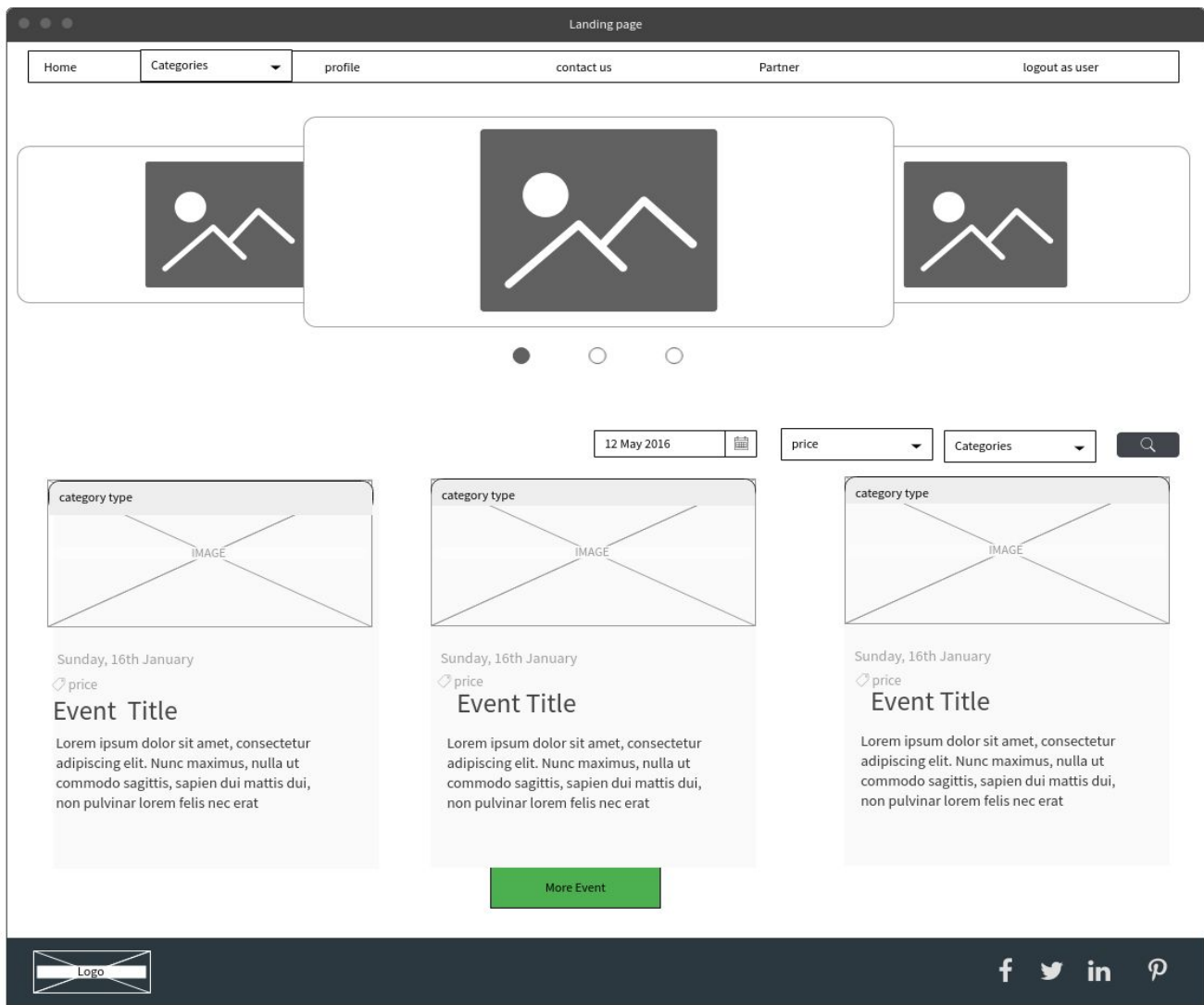
Figure 3:Landing page
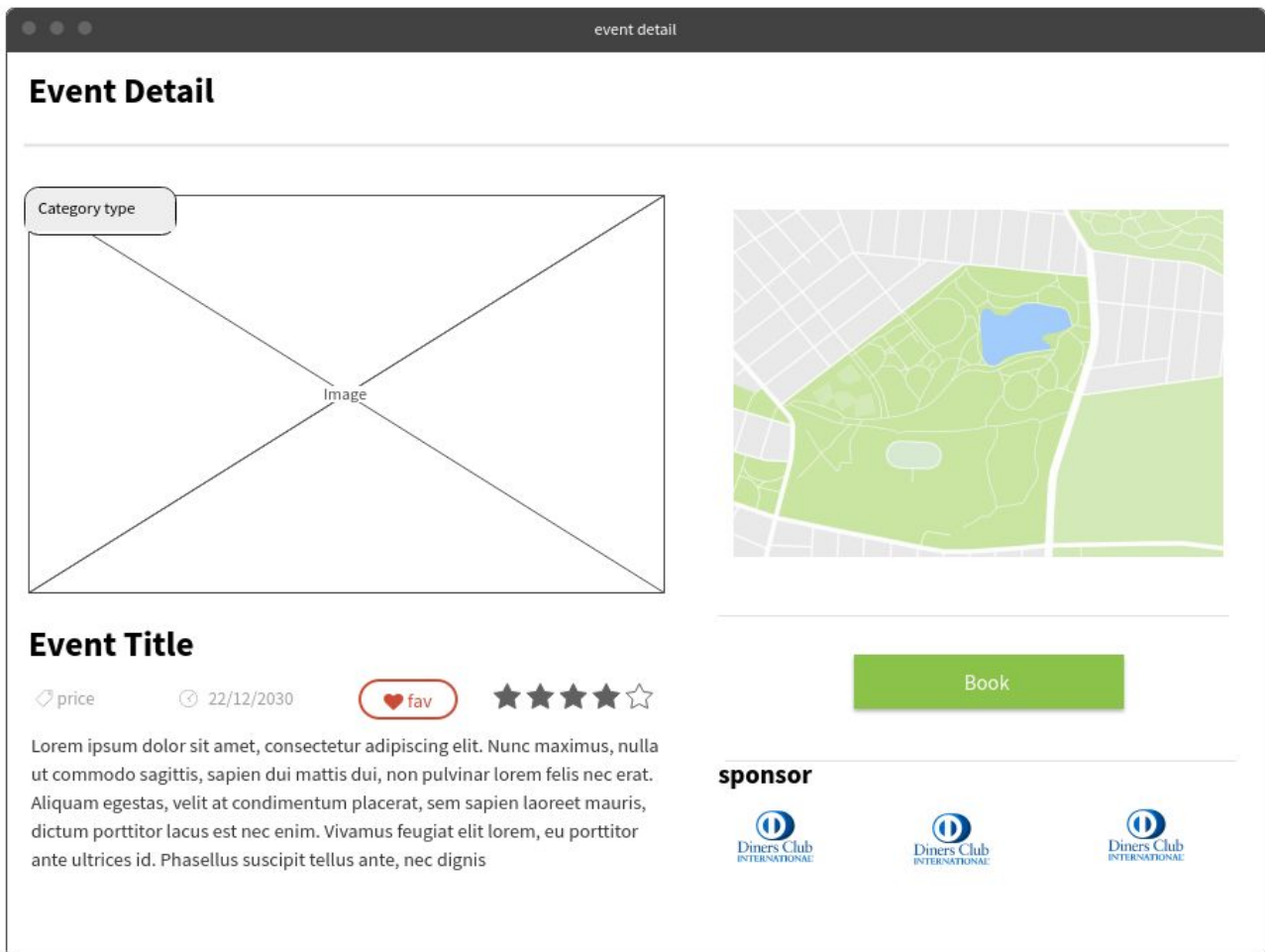
Figure 4:Event Detail

Figure 5:Payment Page
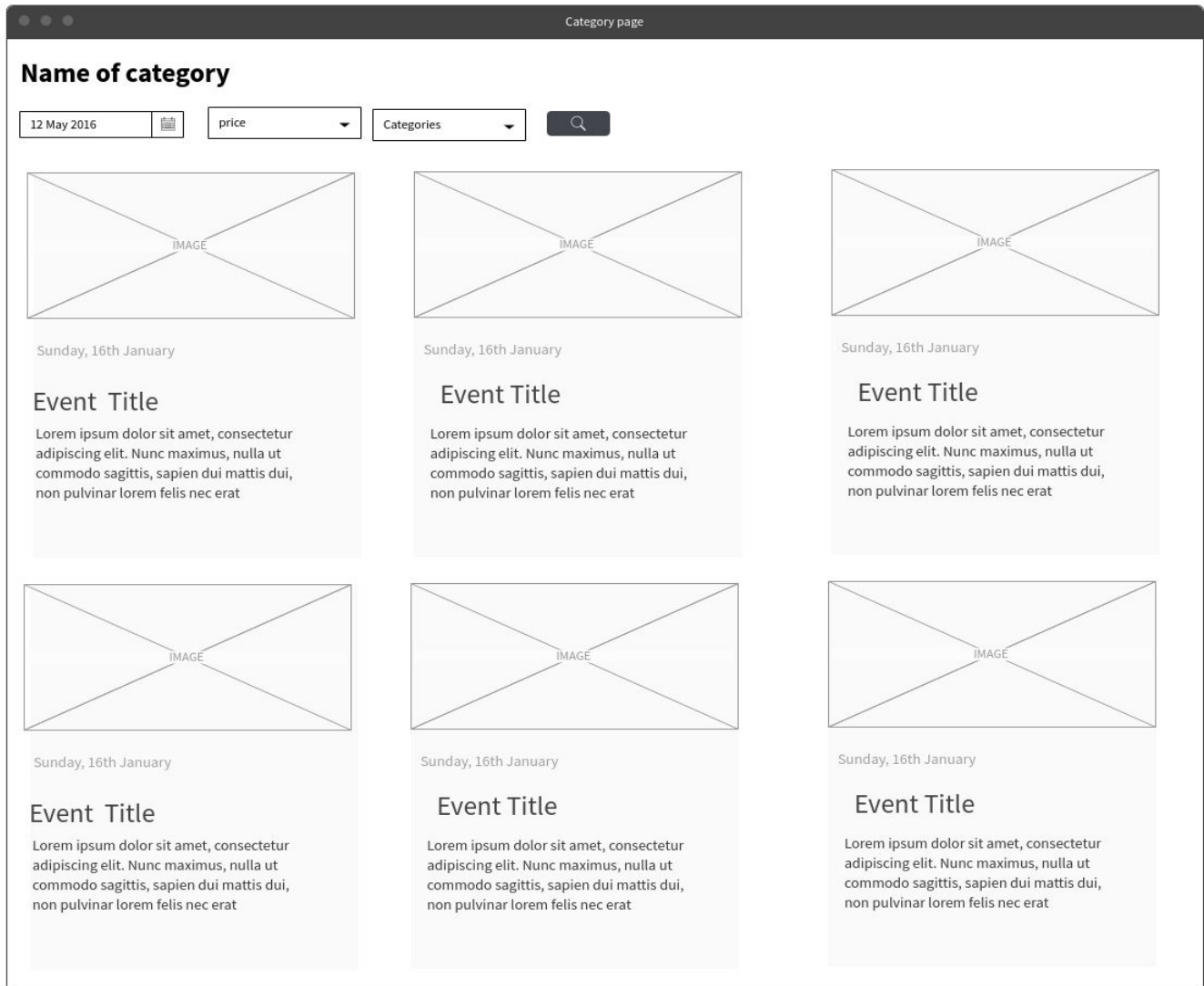
Figure 6:Search Event
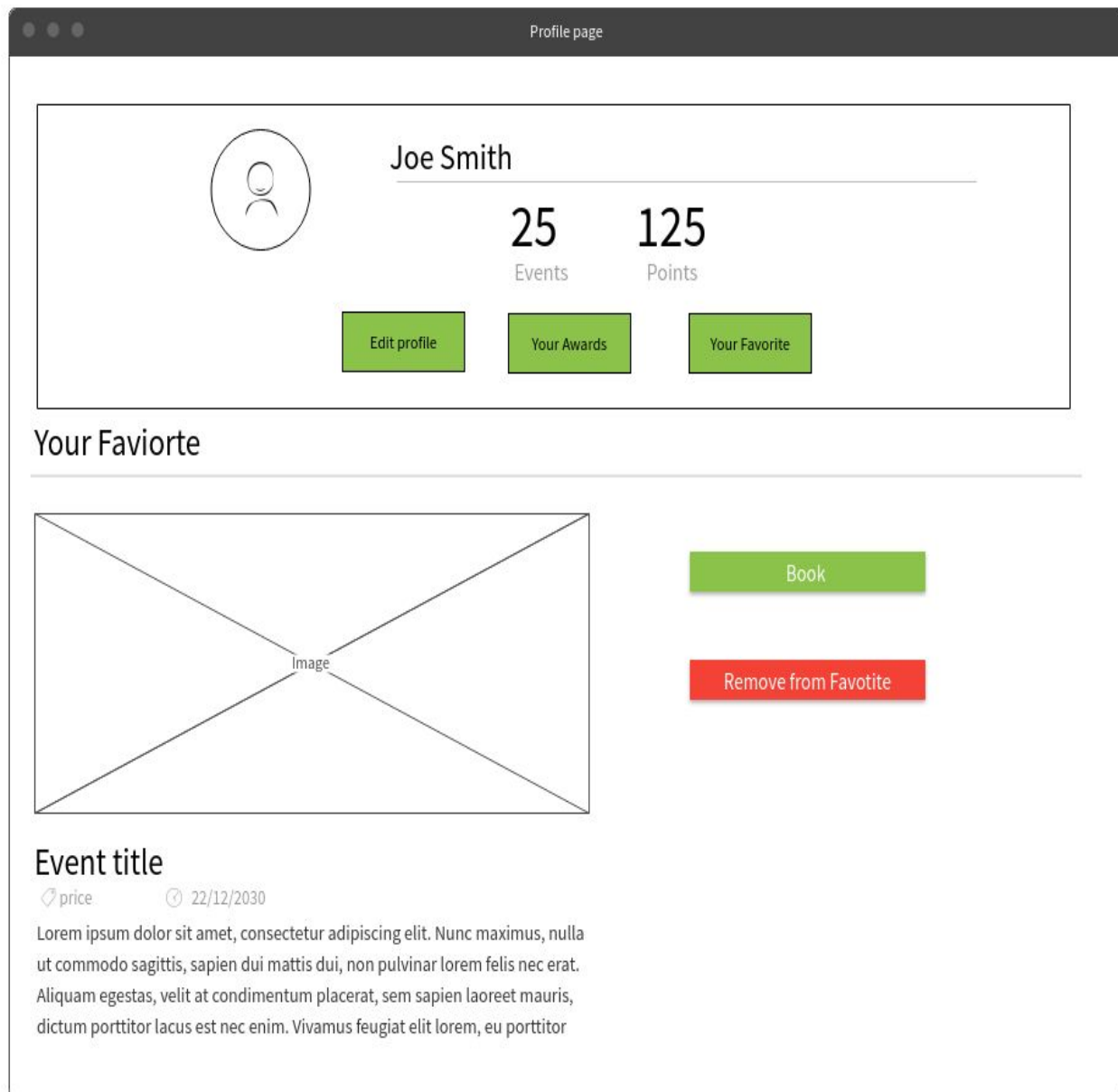
Figure 7:Profile

Figure 8:Edit profile
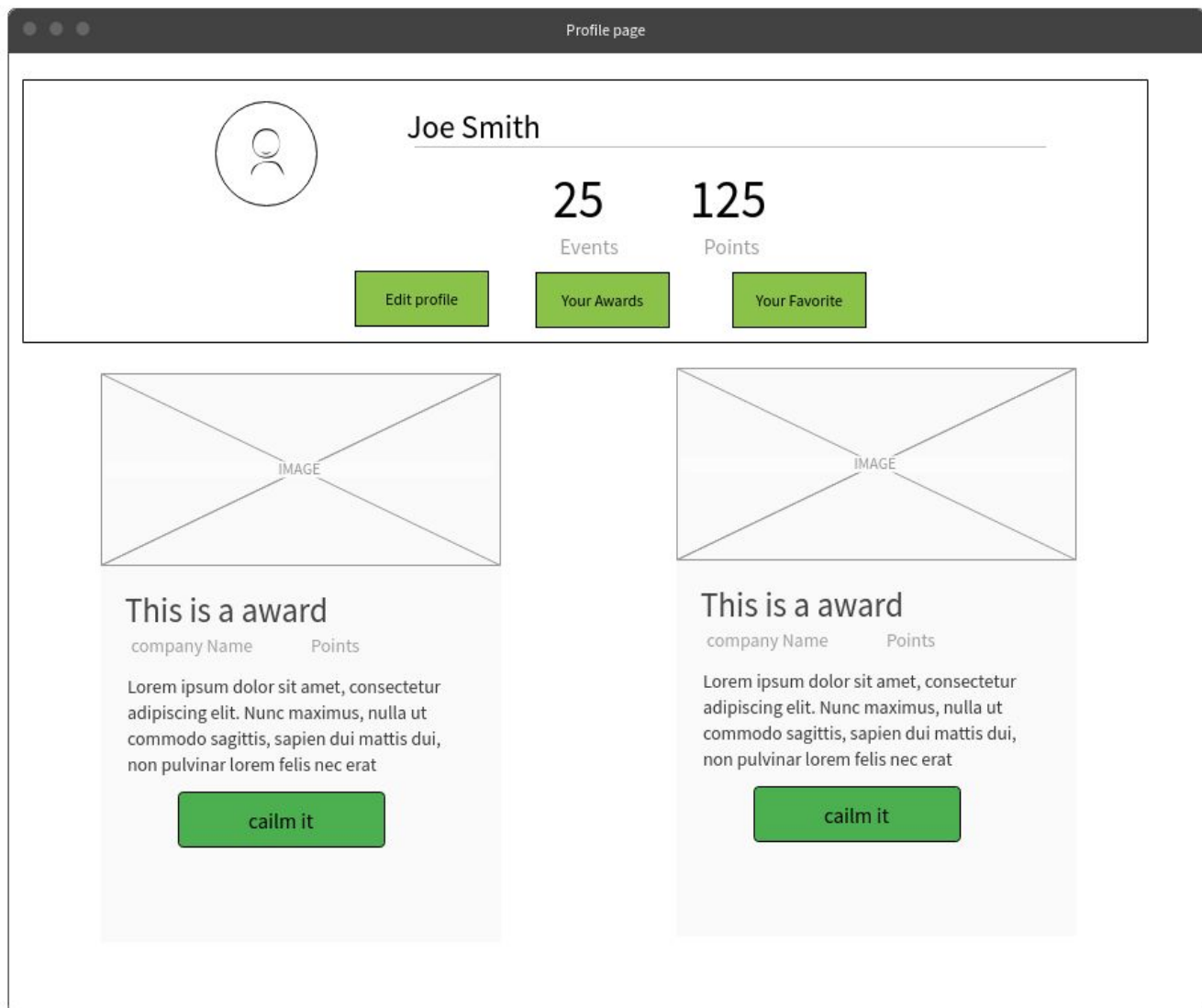
Figure 9:Awards Page

Figure 10:Contact Us

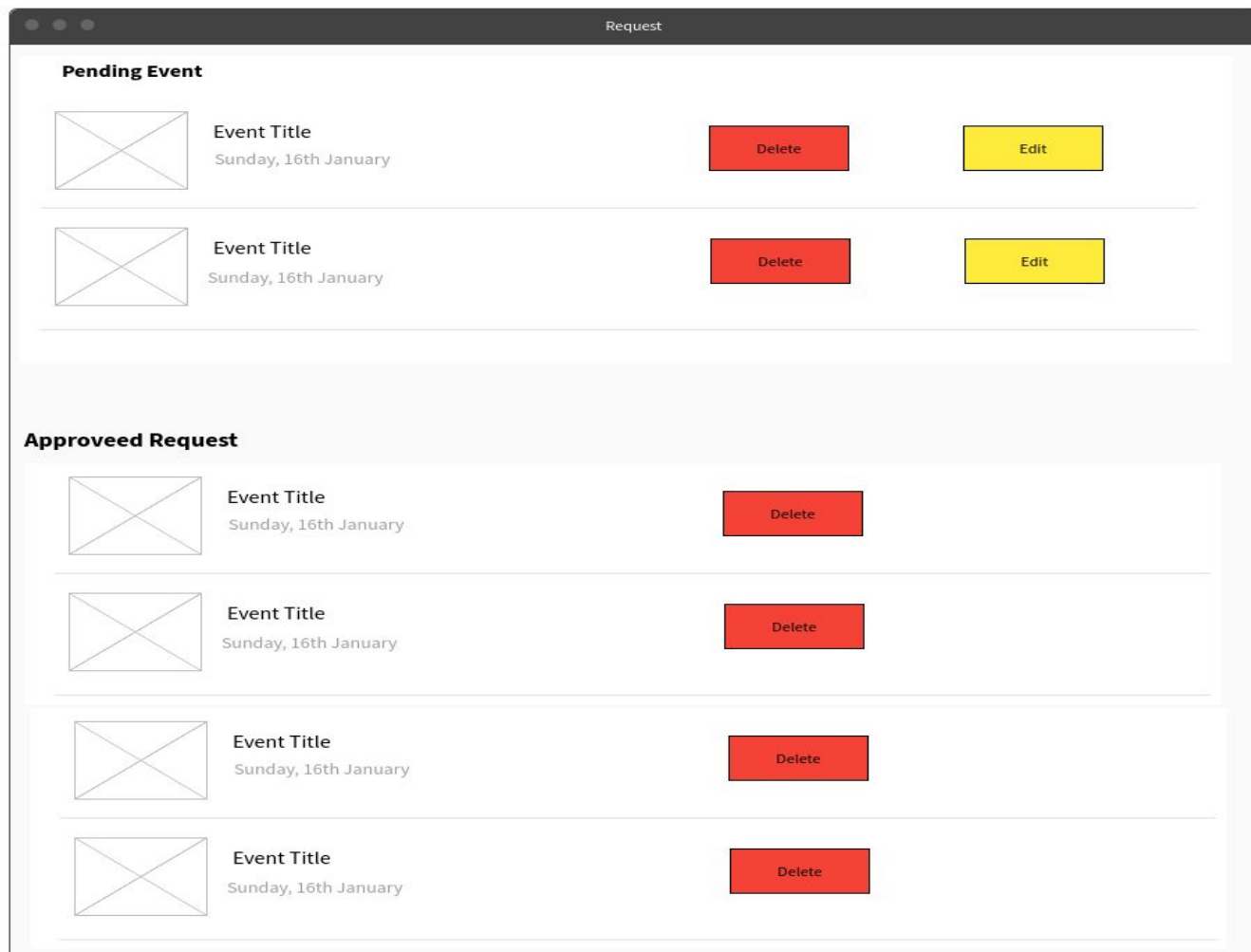**Figure 11:Company Event Form**

Figure 12:Company Request

Event title

Event title

Ticket price

Price

Event location

Event location

Voulnteer

☐ No

☐ Yes

Event Date

12 May 2016

Max Ticket Number

5

Category

Category ▼

Event photo

Attach Files

Sponser photo

Attach Files

Description

Describe your event
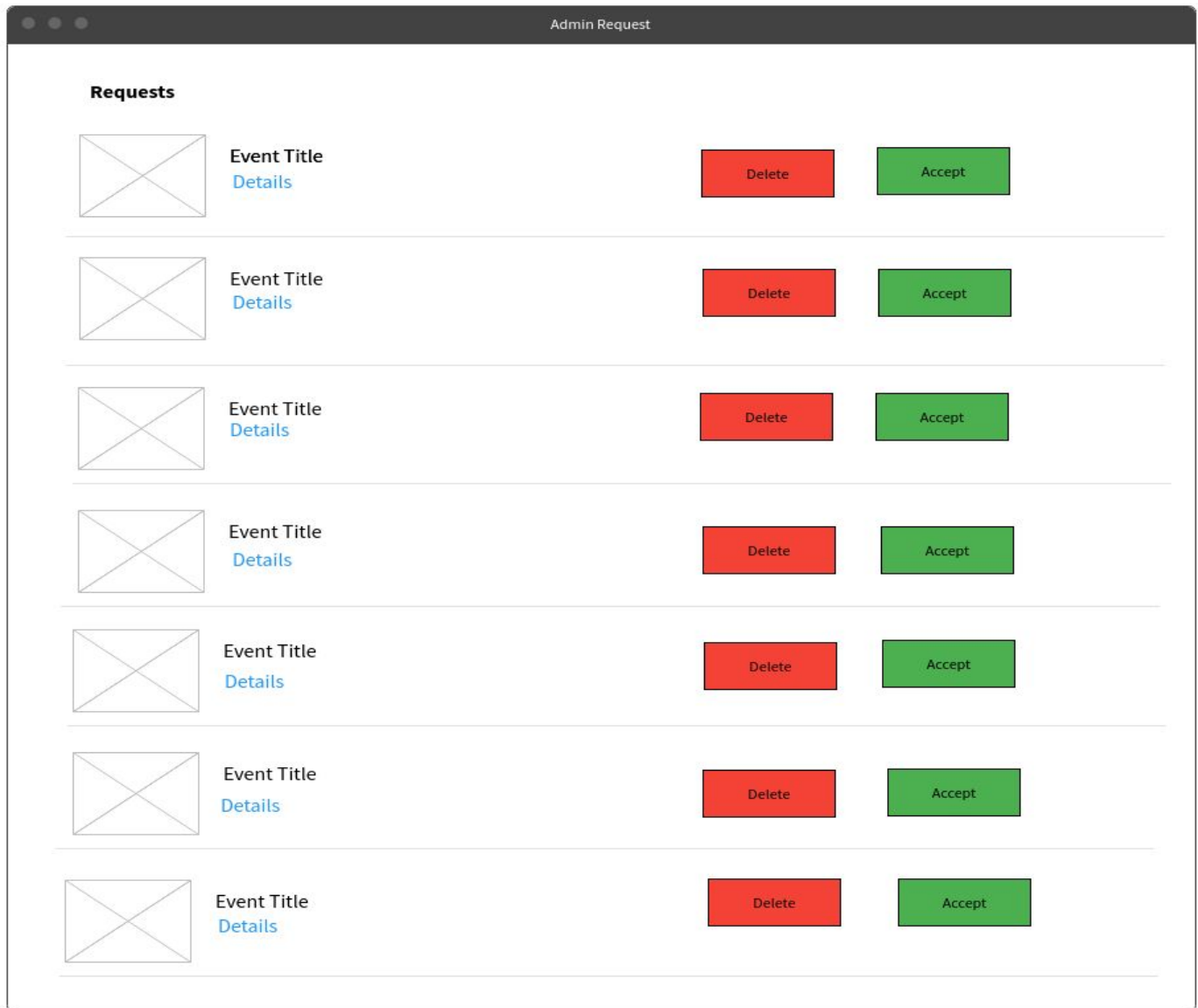
Save   Cancel

Figure13:Edit Company Form

Figure 14:Admin Request