

Champions Consulting



Champion Events

Group 3A

Table of Contents

Meet The Team	1
Overview	2-3
Personas	4-6
Visual Design	7
Use Case Diagram	8
Activity Diagram	9
ERD	10-11
Amazon Web Services	12
System Functionality	13-17

Meet the Team



Hanad Ahmed
Back-End Developer



Madison Brown
Client Liaison



Parker Ferguson
Back-End Developer



Alexandra Gordon
Project Manager



Joshua Haug
Visuals & UX Designer



Kasey Keeler
UX Researcher



Kyle Wear
*Back-End Developer &
Database Specialist*



Nate Workneh
*Visuals &
Front-End Developer*

Champions Events

Overview

Description of Project

Champions Consulting leverages resources from the Computer Information Systems and Media Arts & Design departments to develop a scholarly event management system. The system helps organize and manage main events and sub-events. Champions Consulting is eager to seamlessly combine front-end development, back-end development, and database integration to deliver a comprehensive solution. Our ultimate solution is to utilize Amazon Web Services to ensure the uninterrupted operation of our web application. It will effectively manage data via SQL Server Management Studio.

Problem Statement

Champions Consulting is tasked with creating a well-organized, easy-to-use, and seamless event management system. The functions of creating events and sub-events as well as running registration were our primary focus for the project.

Overall Goals

Champions Consulting aims to design an efficient Event Management system using advanced software functionalities. The primary objective of our solution is to address the needs of an Organizer within an event management system. These needs include the ability to create and edit large events, view user information to help manage accounts, and review feedback from participants. The focus of this system is to help organizers create and edit events and subevents for participants to register for. Champions Consulting is utilizing a combination of SQL Server Management Studio, Visual Studio using the razor pages framework, and AWS to create an application for the intended users. Participants can view all upcoming and past events that they have registered for. They can register for any upcoming events and provide feedback about the event they attended for organizer use. Admins have all the permissions that any user of the application has.

Technical Goals

- Create a web-based system using ASP.NET Core that integrates SQL Server Management and has been put on Amazon Web Services Cloud.
- The application will have the ability to gather and store all data that is created within the web application.
- The application will provide a user-friendly experience for all users by using HTML front-end design techniques.

User Persona - Admin

Admin

Biography



Sonja Murphy is the administrator of the program. She has a high comfortability with technology. She has full access to manage and update events and sessions.

Sonja Murphy

Gender	Female
Age	54
Occupation	Program Administrator
Education	Master's Degree

Goals

- ☒ Wants a secure system in order to oversee events
- ☒ Manage upcoming events and sessions
- ☒ Wants to grant access to certain users in order to review events


Frustrations

- Doesn't like when a system doesn't allow authorized access to other users
- It can be frustrating when a system does not have security measures

Quote

"It is extremely important that this system is secure and not be prone to hackers"


User Persona - Organizer

Organizer		Biography								
		<p>Susan Robbins is an event manager that is up-to-date on the latest technology and how it can assist her. She wants a streamlined process to easily create and organize events.</p>								
<p>Susan Robbins</p> <table> <tr> <td>Gender</td> <td>Female</td> </tr> <tr> <td>Age</td> <td>35</td> </tr> <tr> <td>Occupation</td> <td>Event Manager</td> </tr> <tr> <td>Education</td> <td>Bachelor's Degree</td> </tr> </table>		Gender	Female	Age	35	Occupation	Event Manager	Education	Bachelor's Degree	<p>Goals</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Wants a simple and effective system to create events and sessions for various users <input checked="" type="checkbox"/> Needs to be able to determine users' roles for events and sub-events <input checked="" type="checkbox"/> Needs to be able to receive feedback about events and sessions from participants
Gender	Female									
Age	35									
Occupation	Event Manager									
Education	Bachelor's Degree									
<p>Frustrations</p> <ul style="list-style-type: none"> • It can be difficult to edit events and sub-events efficiently • It can be frustrating trying to update or change roles for events and sub events 		<p>Quote</p> <p>"There has to be a simple way to manage users that will have multiple roles at the events and sub events"</p>								

User Persona - Attendee

Attendee

Biography



Stanley Moore is a college student looking to attend events related to his studies. He is relatively comfortable with technology and wants to learn more about upcoming events.

Goals

- ☒ Wants an easy and effective system to sign up for events
- ☒ Needs a simple and reliable view of upcoming events
- ☒ Wants an easy way to provide feedback to organizers

Stanley Moore

Gender	Male
Age	21
Occupation	Student
Education	Senior in college

Frustrations

- Doesn't like messy and unorganized view of upcoming events and meetings.
- Doesn't like long and tedious process to sign up for events
- No way of informing event organizers concerning problems about past events

Quote

"I want an easy way to see all of my upcoming events in one place"

Visual Design

Branding/Logo

Champions Events

Color Pallete

#450084

#FFFFFF

#D9D9D9

#000000

Font Selection

Verdana

Aa Ee Rr

Aa Ee Rr

a

Sylvestris

abcdefghijklm
nopqrstuvwxyz
0123456789

Tahoma

Aa Ee Rr

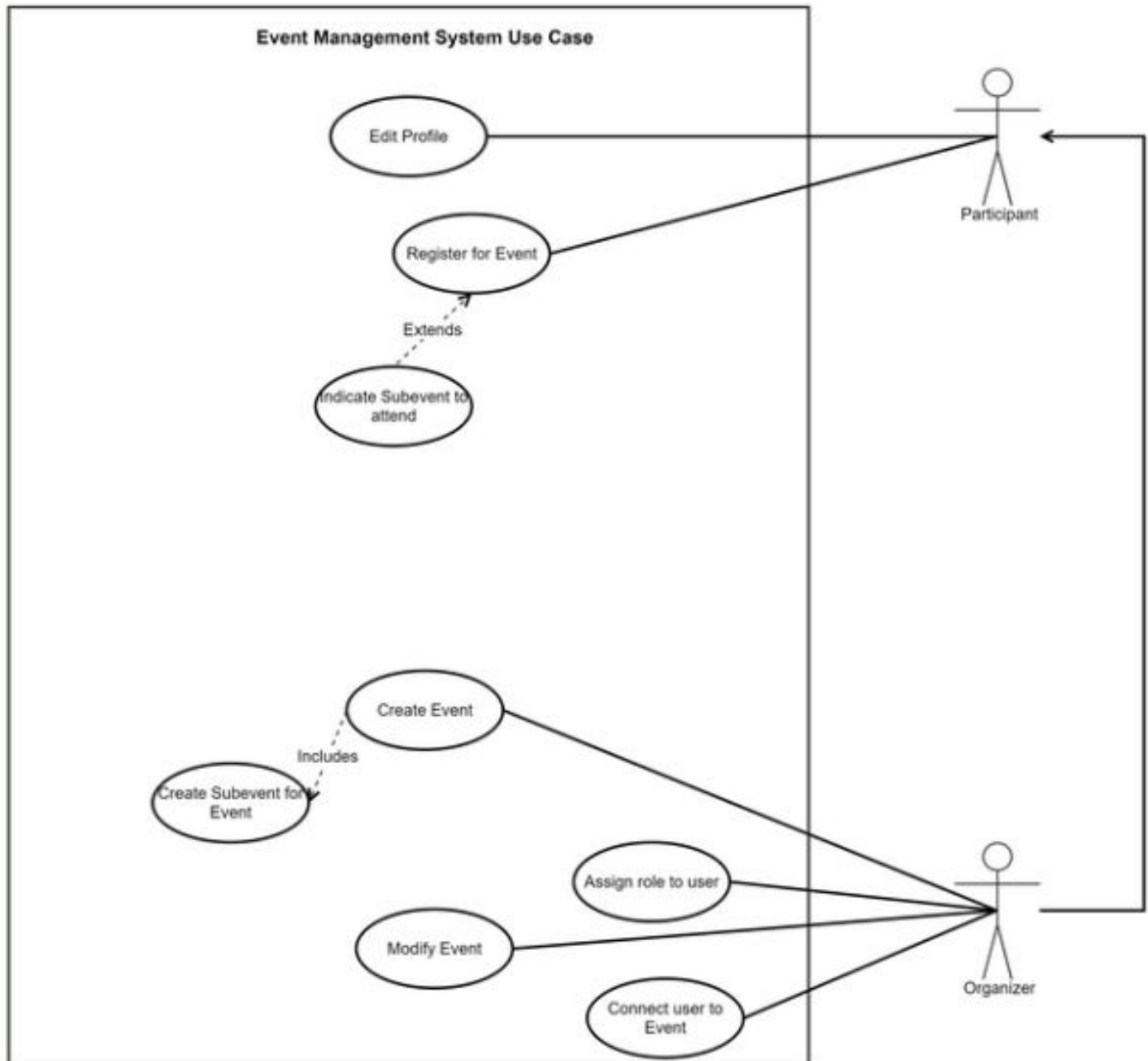
Aa Ee Rr

a

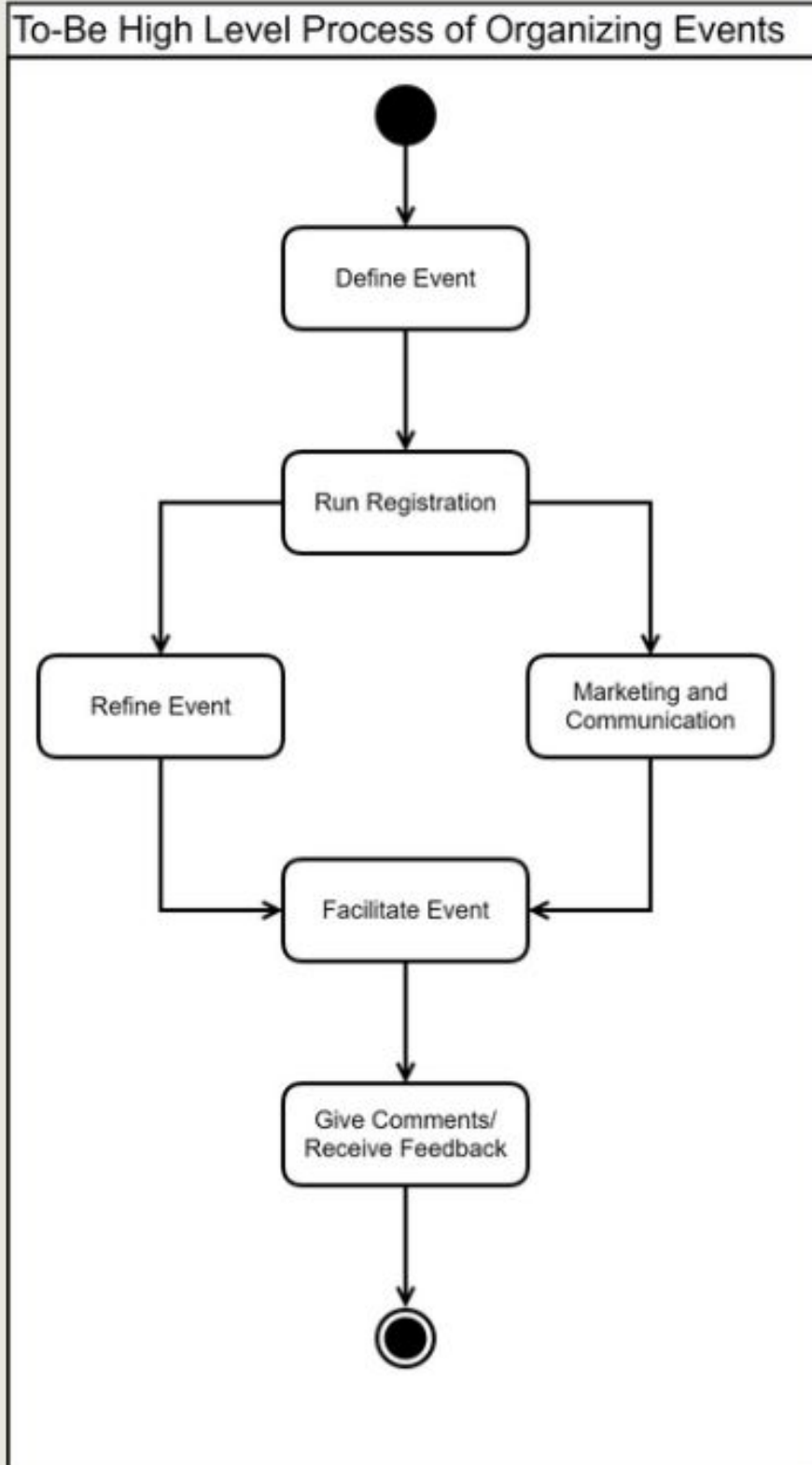
Cascadia

abcdefghijklm
nopqrstuvwxyz
0123456789

Use Case Diagram

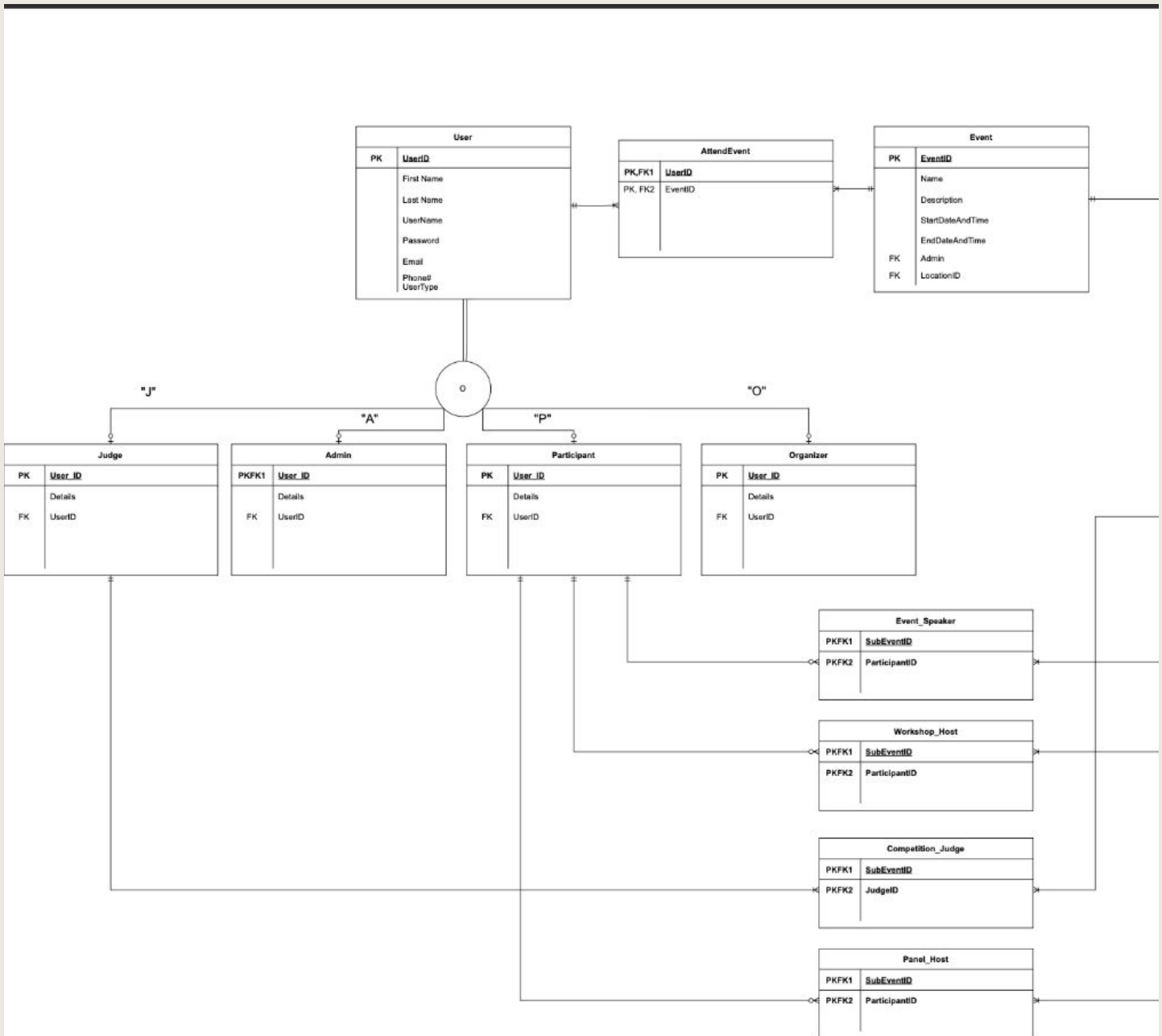


Activity Diagram



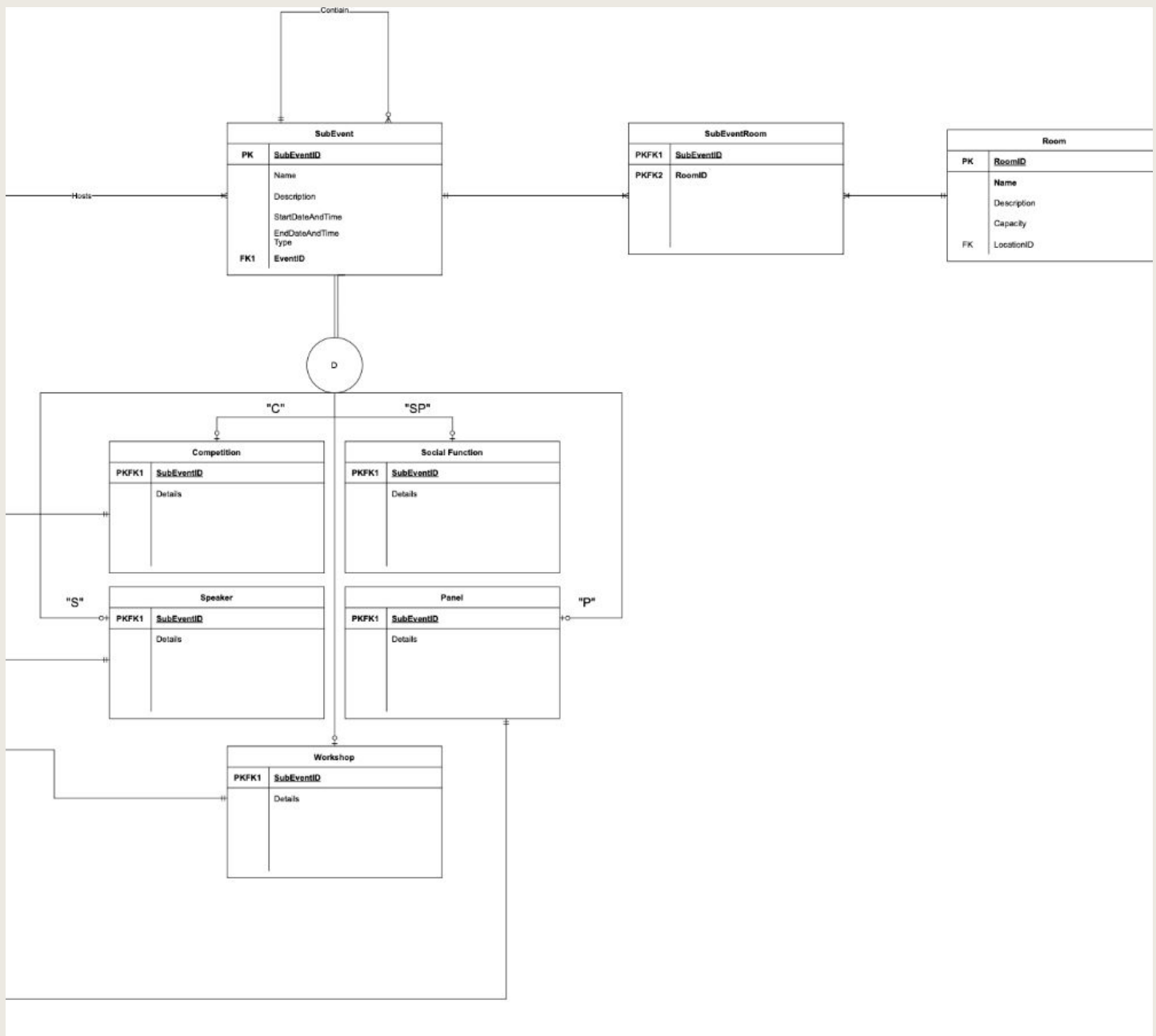
ERD

Pt 1



ERD

Pt 2

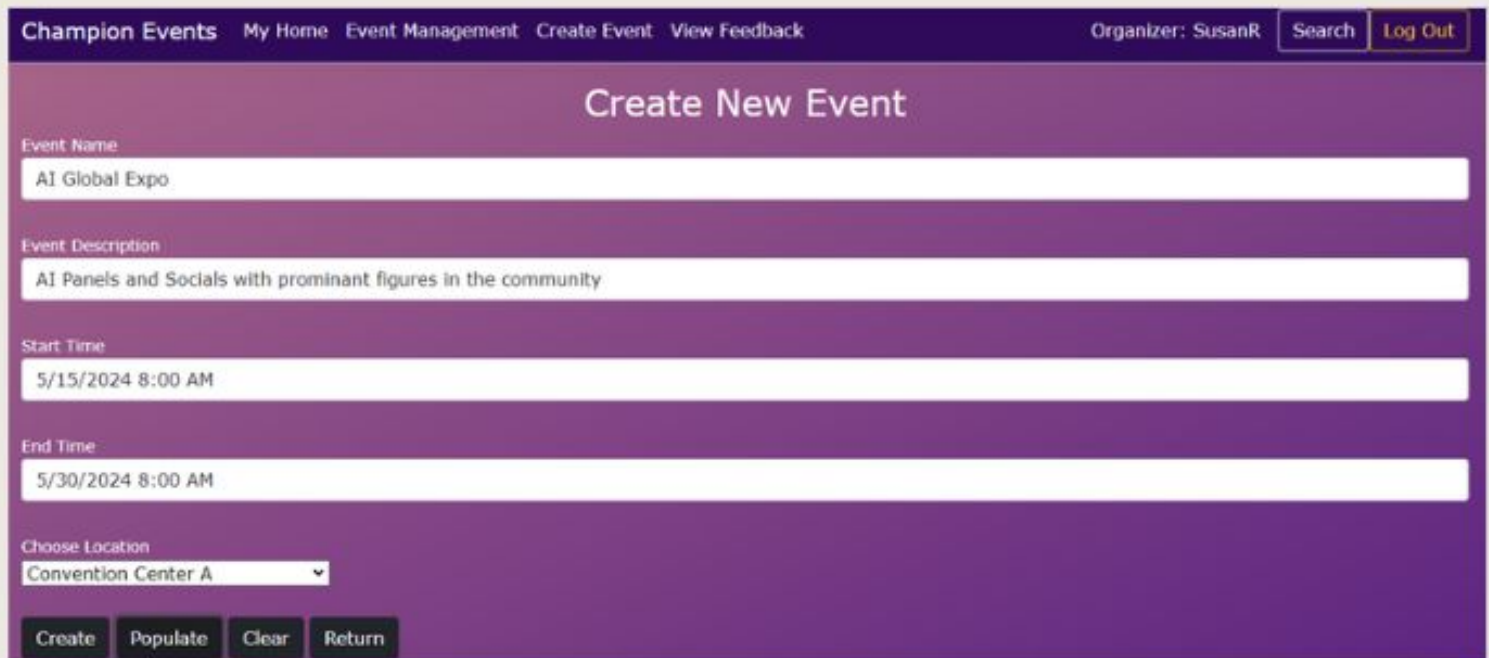


Amazon Web Services

Champions Consulting has placed the Event Management System on one AWS EC2 (Elastic Cloud-Compute) instance. We may look into having more than one instance active in the future or switching to a better-performing instance type such as t2.medium, which offers double the computing power and quadruple the memory. An elastic load balancer might be needed depending on traffic. The event management system needs to be running at all times because demand may be different at any given time, so we chose a pay-as-you-go structure. The average monthly estimate to implement and maintain the software on the AWS cloud is \$115.77. Below, the specific calculations are shown.

AWS Calculations:	Costs:	Monthly Rate:	Annual Rate:
1 t2.micro EC2 Instances:	\$11.67		
		\$11.67	\$140.04
Solutions Architect Professional:			
Implementation/Maintenance hourly rate:	\$89.63		
3.5 hours for implementation		\$313.71	
1 hour for monthly maintenance		\$89.63	
Total Annual Cost:			\$1,389.27
Average Monthly AWS Cost:		\$115.77	

System Functionality



The screenshot shows a web application interface for 'Champion Events'. The top navigation bar is dark purple with white text for 'Champion Events', 'My Home', 'Event Management', 'Create Event', and 'View Feedback'. On the right, it shows 'Organizer: SusanR' and buttons for 'Search' and 'Log Out'. The main content area has a purple header 'Create New Event'. Below this are five form fields: 'Event Name' (text input with 'AI Global Expo'), 'Event Description' (text input with 'AI Panels and Socials with prominent figures in the community'), 'Start Time' (text input with '5/15/2024 8:00 AM'), 'End Time' (text input with '5/30/2024 8:00 AM'), and 'Choose Location' (dropdown menu with 'Convention Center A' selected). At the bottom are four buttons: 'Create', 'Populate', 'Clear', and 'Return'.

Organizers can create events after clicking the “Create Event” button. Here, the organizer will fill out the event name, event description, start time, end time, and location.

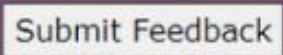
System Functionality

Event Feedback

Select an Event: Business Sympoium ▼

Feedback:

Really enjoyed my time!



Here, an attendee can submit feedback to the organizer after they have attended an event. This feedback will be sent to the organizer where they can view on their end.

System Functionality

[Champion Events](#) [My Home](#) [All Events](#) [Event Management](#) [Create Event](#) [User Information](#) [View Feedback](#) Admin: SonjaM [Log Out](#)

Attendee: Oliver Twist
Email: oliver.twist@gmail.com
Phone: (555) 100-2015

Upcoming Events & Meetings

NAME:	DESCRIPTION:	START DATE AND TIME:	END DATE AND TIME:	LOCATION:
Tech Expo	Showcasing the latest tech	2023-12-01 09:00:00.000	2023-12-03 17:00:00.000	Garden City Conference Center

Past Events & Meetings

NAME:	DESCRIPTION:	START DATE AND TIME:	END DATE AND TIME:	LOCATION:
Tech Conference 2023	Annual technology conference	2023-10-15 09:00:00.000	2023-10-17 17:00:00.000	Convention Center A

Here, admins can look up users and view their contact information. They can also view events that they have signed up for.

System Functionality

Champion Events

My Home

All Events

Provide Feedback

Attendee: StanleyM

Search

Log Out

All Events				
NAME:	DESCRIPTION:	START DATE AND TIME:	END DATE AND TIME:	REGISTER
Tech Conference 2023	Annual technology conference	10/15/2023 9:00:00 AM	10/17/2023 5:00:00 PM	Register
Marketing Summit	Marketing professionals gather	11/20/2023 10:00:00 AM	11/22/2023 6:00:00 PM	Register
Science Expo	Showcasing scientific innovations	12/5/2023 8:30:00 AM	12/7/2023 4:30:00 PM	Register
Business Symposium	Business leaders meeting	11/10/2023 9:00:00 AM	11/12/2023 5:00:00 PM	Register
Healthcare Conference	Healthcare industry gathering	10/25/2023 10:00:00 AM	10/27/2023 6:00:00 PM	Register
Art and Culture Festival	Celebrating art and culture	12/15/2023 9:30:00 AM	12/18/2023 4:30:00 PM	Register
Environmental Summit	Addressing environmental issues	11/5/2023 9:00:00 AM	11/7/2023 5:00:00 PM	Register
Finance Forum	Finance professionals event	10/30/2023 10:00:00 AM	11/1/2023 6:00:00 PM	Register
Education Symposium	Discussing educational challenges	11/15/2023 10:30:00 AM	11/17/2023 6:30:00 PM	Register

Under the “All Events” tab, attendees can register for any event they are interested in attending.

System Functionality

Champion Events				My Home		Event Management		Create Event	View Feedback		Organizer: SusanR		Search	Log Out
All Events														
NAME:		DESCRIPTION:		START DATE AND TIME:		END DATE AND TIME:		EDIT EVENT		DELETE EVENT		ADD SESSION		
Tech Conference 2023		Annual technology conference		10/15/2023 9:00:00 AM		10/17/2023 5:00:00 PM		Edit		Delete		Add Session		
Marketing Summit		Marketing professionals gather		11/20/2023 10:00:00 AM		11/22/2023 6:00:00 PM		Edit		Delete		Add Session		
Science Expo		Showcasing scientific innovations		12/5/2023 8:30:00 AM		12/7/2023 4:30:00 PM		Edit		Delete		Add Session		
Business Symposium		Business leaders meeting		11/10/2023 9:00:00 AM		11/12/2023 5:00:00 PM		Edit		Delete		Add Session		
Healthcare Conference		Healthcare industry gathering		10/25/2023 10:00:00 AM		10/27/2023 6:00:00 PM		Edit		Delete		Add Session		
Art and Culture Festival		Celebrating art and culture		12/15/2023 9:30:00 AM		12/18/2023 4:30:00 PM		Edit		Delete		Add Session		
Environmental Summit		Addressing environmental issues		11/5/2023 9:00:00 AM		11/7/2023 5:00:00 PM		Edit		Delete		Add Session		
Finance Forum		Finance professionals event		10/30/2023 10:00:00 AM		11/1/2023 6:00:00 PM		Edit		Delete		Add Session		

Here, the organizer can view all events that they are signed up for. They also have the option to edit or delete events.