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Eventhub:

An Easy Event Management System for Private Sector in Afghanistan

A Bachelor's Thesis

Specialization: COMPUTER SCIENCE

by

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Declaration

Hereby we declare that this dissertation has not been previously accepted in substance for any degree and is not being concurrently submitted in candidature for any degree. I state that this dissertation is the result of our own independent investigation/ work and with the help of no more than the mentioned literature, except where otherwise stated.

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Mohammad Ilyas, Abdul Wasil and Safiullah

December 2019

Abstract

As marketing departments have an increased focus on mobile and digital campaigns, a similar expectation has been applied to the world of events, meetings, and conferences. Think of live events 10 years ago, every activity involved in events such as registration, session detail, organizer aim, speaker's bio and all the other related works was paper based. In order to make this problem a little easier and optimize the process a lot of efforts has already been taken by many organizations so contribution for solving the problem would be an honor for us. Nowadays, the event industry has played a vital role in our society. We have come up with an idea of creating a mobile app which would be capable of many functionalities need to have a successful event. Eventhub, which is a mobile app, is proposed to solve problem of finding and attending to events which is broadcast by the organizations. Event hub application is not dedicated to a special part of the society instead it is designed to be used by individuals and organizations. It will be easier for you to use Eventhub app and achieve your goals after reading this dissertation and your questions of how this app will work and how it is designed and implemented will be answered.

Keywords: Organization, Event, Meeting, Broadcasts, Society, App, Optimize, Dissertation

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Chapter 1

Introduction

1.1 Introduction

With today's technology one might think that everything is possible to do, but if we look a little deeper we could find that there is a lot of problems that are still unsolved and required to be addressed somehow. Event management is one of those problems which yet there is no general solution for it however, efforts have been done and many approaches have been conducted but a final conclusion which can resolve all problems related to event management is not yet designed.

That was the point that gave us a clue of what to do and what will be the outcome of our work if we do that. We decided to create an event management application that helps people hold their events and prevents organizers from facing lots of obstacles they were facing with the traditional form of event organizing and managing methods and process.

We proposed a mobile based system that is capable of organizing, managing, and participating to events that can solve many issues and problems involved in event management. The reason for making such a system mobile based app is that nowadays every individual has a smart phone, so we think what if we make it possible to manage their event with their own mobile phones and if we do this then our system will be used widely and that could be a great achievement for us.

Eventhub which is a mobile app is designed to answer questions of how to manage event: timing, joining, organizing, agenda and participation.

We do all these stuff with collaboration of people and organizations and for each feature and functionality of the system we get their thoughts and viewpoint because they were the ones to whom the system was designed.

There is always an idea or vision about something before it comes into being which means everything exists in our idea however it is not currently exist in real world but in the near future it might be available if we put a little effort and endeavor behind it.

Eventhub is the idea of providing the people with the easy way of joining events, creating events and managing events.

1.2 Problem Statement

Is it possible to organize and manage an event with more usage of technology and less usage of human power?

This question and many more similar question arise when we think of organizing and managing events, even joining events because there are a lot of obstacles in our way and sometimes a better solution or choice for us seems to be not to join or organize such an event.

But what if we can provide a solution for this problem and similar problems like time management, cost management, and event related staffs while our solution benefits from technology.

We come up with the idea of creating a system that is capable to address all questions above and also provide many more facilities in events related tasks. Eventhub which we proposed is a mobile application that made lots of task easier in the area of events.

It is very hard to organize a successful event without collaboration among organizers and audience.

Today is the era of technology and science and nothing is impossible when we think of it from science perspective that is a solution to the problem of organizing events using the latest technology is not far from being, and at the same time the growing aspect of smart phones make it more realistic if we say we are going to create a mobile app that is capable of managing lots of event related works.

Our proposed system Eventhub application is tending to help people with their events like seminars, ceremonies, celebrations, concerts, conferences and many more cultural, educational and political to be held more manageable and lead them to a successful event.

We implement our system using the most recent technologies and this application is going to solve many of problems but there may be some gaps in our system as well therefore, the proposed system is going to be patched till we come with a full future system that can address all problems in event management.

1.3 Background

Humans are the most socially evolved species on the planet. As such, we develop social interactions beyond our family structures, which can trigger the need for events. Events have played an important part in society. The slightest excuse could be regarded as a good celebration in most societies. For example, in Europe, prior to the industrial revolution, routine daily activities were tightly connected with festivals and carnivals. However, in this modern world, those historical forces are not as significant as they used to be. As a matter of fact, these days, people have a general tendency to celebrate events without necessarily seeing them in the historical context such as mother's day. One of the reasons to transform the event from its traditional origins into modern origins is that culture has changed, and these days, people live in a fast-paced, developing and global economy. As a consequence, event management has gained fast global recognition and has been included in my academic programs. For example, events have played a vital role in the UK economy. According to a report "Britain for Events", in 2010, the event sector alone is worth 36 billion pounds' annum to the national economy.

Total value 36.1 billion pounds			
Corporate events	Cultural events and festivals	Sports events	Outdoor events
30.3 billion pounds	2.3 billion pounds	2.3billion pounds	1 billion pound

Figure 1. The value of Britain's events industry by sectors. Source: Adapted from Britain for events report 2010.

In order to organize good events, event management needs to be studied thoroughly. Regardless of various types of events, it is crucial that event managers should be knowledgeable, qualified and professional. Due to the thriving need of event management, society has been demanding than ever because people need professional management of events in many fields and sectors.

Based on the above-mentioned dimensions and focusing on the event management and event marketing literatures, this thesis aims to understand the how to manage and market the events successfully and fully satisfy participants.

An event application allows attendees to more effectively network, keeps everyone aware of the latest event updates, and most importantly, provides a rich dataset from which event organizers can draw insights. Given an event app's versatility, it's no wonder that 91% of event organizers stated that adopting a conference app resulted in positive event ROI.

Eventhub is the application of project management to the creation and development of large-scale events such as festivals, conferences, ceremonies, weddings, formal parties, concerts, or conventions. It involves studying the brand, identifying its target audience, devising the event concept, and coordinating the technical aspects before actually launching the event.

1.4 Literature Review

Events are leisure activities and work possibilities for people. Events bring people together and make them have good time. So managing these activities was a root and main problem to be solved which outweigh all the organizations priorities.

when using events, companies get the possibility to have their own-right to the consumer during the duration of the event. This means that if a company manages to get the consumer to attend the event, the distortion from the competitors will be gone or at least minimized during the duration of the event. Also, events contain tangible elements, such as food, beverages and other products sold or given away, but are essentially a service in that they consist of intangible experiences of finite duration within a temporary, managed atmosphere. As with all services, this experiential “product” is produced and consumed simultaneously, is highly heterogeneous and very difficult to store or control.

Therefor a lot of efforts and work has been done around the world to make it easier as much as possible for people or in term of organizations customer to participate and gain something from these events held by these organizations like Eventbrite which a mobile and web application mostly used in America, Europe and many countries in Asia but in Afghanistan unfortunately there are some limitations in using it and one of the most important problem is paying system for events which needs to be paid in order to take a ticket because most of online paying systems not work in Afghanistan.

However, Eventhub app in not going to solve paying problem at the first increment but as a feature goal we are planning to make people participate in pay-events as well as regular events without facing any limitations.

Eventhub app is tending to be used as a primary source of finding and joining events in Afghanistan because all the necessarily functionalities that are needed when holding and searching an event are available in this app.

1.4.1 Typologies of Events

Depending of the event's purpose itself, it can be put into different categories such as religious events, cultural events, musical events, etc. The following figure lists eight different typologies of events.

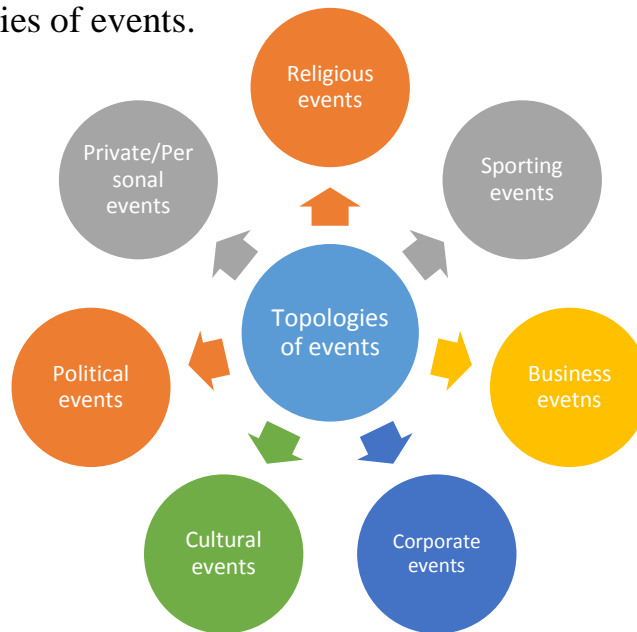


Figure 2. Illustration of event types

Different typologies of events have been established worldwide depending on purposes of events. Events have been part of any nation's cultures and traditions. As a matter of fact, organizing good events is beneficial to host country. More specifically, it promotes the host country's tourism and economic development. Furthermore, to the local people, they can learn more about their own identity in depth as well as boost up their sense of pride [1].

These distribution of events are based on deep investigation on many countries and types of events they held in their nations. One thing is worth mentioning that our application is mostly prone to business, corporate and private events.

It seems very problematic even at imagination level of we talk about managing all types of events with a mobile app but the thing which is clear is that if we cannot manage all these types of event at least we can optimize the process of organization and many related tasks with our application.

Eventhub is primarily designed to speed up the process of finding and participating in events and prevent many paper bases works during organization of events which is a traditional model of managing events.

1.4.2 Characteristics of Events

The definition of an event is highly recommended to be taken into consideration before one starts up planning and marketing one certain event.

The author thinks that it is also advisable that the key characteristics of an event management should be briefly discussed in this sub-chapter. An event plays an important role in daily activities. As a result, it is important that key characteristics of events be examined thoroughly.

Events are said to have some following characteristics: uniqueness, perishability, labor-intensiveness, fix timescales, intangibility, personal interaction, and last but not least, ritual or ceremony.



Figure 3. Characteristics of Events

1.4.3 Uniqueness

It is certainly comprehensible that being unique is one of the main elements of all events regardless of purposes. That being said, the consecutive repetition of one event is not advisable. Nevertheless, event organizers and coordinators should bear in mind that what makes one event become unique certainly depends on the participants, the surroundings, the guests, etc.

When it comes to uniqueness, it is inevitable that depending on types of events, events may reoccur in terms of both format and time interval i.e. the Olympic Games [2]. As mentioned above, different locations, different time, different reasons and different participants are also an important factor that impact on the success of an event [3]. Nonetheless, organizing events is not any identical to a routine, nor is it considered producing the same type of work continuously.

1.4.4 Perishability of Events

Apart from being unique, events need to be “perishable. Perishability of events refers to the fact that events should not be repeated in the same way all the time. In fact, in spite of the repetition of events, a wide range of different activities have to be included in order to avoid the boredom and attract more attention.

Perishability is also related to the utilization of facilities and services for events. Depending on each event, it is fundamental that event organizers learn about which facilities and services can be used and how to use them effectively [4].

1.4.5 Intangibility

Intangibility of events is related to mental values, whereas tangibility refers to something that can be seen or touched. When attendees attend one event, they would like to receive some intangible values such as happiness, memories etc. The aspect of intangibility plays an important role in service sectors or activities. Nevertheless, event organizers should make the event tangible by boosting up the tangibility of events. Simply put, event organizers can offer participants, visitors, guests etc. postcards, chocolates, cakes, etc. It should be noted that even small tangible items have played a significant role in how well the event has been organized.

1.4.6 Ritual and Ceremony

As mentioned in the chapter “Introduction”, “Humans are considered the most socially evolved species on the planet” [5]. Consequently, human beings find the reason to trigger the needs for events. Maslow [6] indicated some human needs that are related to human needs as follows.

Events are also characterized by rituals, symbols, and artefacts which certainly have some special meanings [7]. In the past, dating back thousands of years ago, ritual and ceremony were already evidentially of great importance.

Ritual and ceremony should not be underestimated because both of them reflect any nation’s community, lifestyle, cultures etc. Modern events, on the other hand, may not have to follow old tradition and established ceremony. In other words, it is not unusual to create new ceremonies accompanied by new traditions [8].

Chapter 2

Analyze

2.1 Current Situation

Currently there is not any system like Eventhub in our country. We have searched and propagated and for the result we have achieved it inspired us to create such a system.

However, there are many well-known systems around the world serving event managing services like Eventbrite and others but they are not useful in Afghanistan because they are specialized for use Europe and America.

The reasons for why those systems are not useful in Afghanistan is many for instance they payment approach they use for paid events are completely inapplicable because of restrictions we have in our online payment systems or clearly we do not have any online payment system.

As a result, we start analyzing Eventhub with respect to our country to overcome these restrictions.

2.2 Eventhub Analyze

Before proceeding to any project it is necessary to make a market analyze in order to make sure that the proposed system will be useful and come in handy in solving market problem and fill market requirements.

Also during this analyze we are looking for tools and requirements that are needed for our project as well as, if it is feasible or not to continue with the proposed project.

We have done this phase of our project by making three distinct analyze in three separate areas:

1. Feasibility Analyze
2. Market Analyze
3. Technical Analyze

After making these analyses we have come up with that the Eventhub is not only market friendly but also it is also very economical and has a lot of value for as.

2.2.1 Feasibility Analyze

No one can claim that he or she can do something without a prior knowledge of that area and a prior information about how to do that thing. Software engineering and software management is not an exception as well, so when we face a new problem and want to solve it as software engineers we must perform some analyze of the field in order to be able to decide to proceed or decline the proposed solution.

Before proceeding to Eventhub we have done feasibility analyze to decide whether or not to continue to our project. We have considered our project from management, resource, budget, and time requirements and after finding satisfiable answers to our questions which told us that making such a system is possible from management perspective, required resources are available, and there is enough time and it is possible to create the system with less amount of money we decided to proceed to our system.

2.2.2 Market Analyze

We have two types of software project in advance, custom software which targets a specific set of user's requirements and all the functionalities of software product is defined by the user on the other hand we have another type of software which is designed to answer a specific market problem, all characteristics of this type of software is defined by organization who is creating it with respect of market requirement.

Eventhub is also a market software and all its behavior and functionality is defined by our software engineering team based on market requirement.

Managing events using technology was something completely new and very less efforts has been done in this area before our contribution so we find it a lot useful and beneficial for our team.

Eventhub primary objective was to help organizers with their events organization and individuals to participate in their favor event.

2.2.3 Technical Analyze

We have done our technical analyze based on type of our system which is a mobile application, and our objective was to find answers for questions raising in each phase of our system development process and estimations task such us: is it possible to create such a system with available staff, is our needed tools and resources available, can we carry out our project development and maintenance process, would it be useful in market, does our software engineering team and management team has capabilities to perform their relevant tasks properly.

After some research and efforts, we have come up with answers to all our questions form technical perspective and management aspects of proposed system which was positive and abet us a lot in our work.

Also our team of development which were experienced and professional in their field and made us more confident in to fulfill our system successfully.

According to our timetable we had 24 weeks to completely accomplish our task of development and delivering Eventhub with our available staff of three software engineers which was a little hard work but with the experienced and stable team we have had we have successfully complete it and provide individuals using it and make their life easier.

Chapter 3

Methodology

3.1 Methodologies & Tools

Today is the age of science and knowledge so, for every problem we need to find a reasonable and accepted solution based on accepted and standard approaches.

The way we find solutions to our problems and the tools we use to arrive to our goals is needed to be legal and professionally accepted. For Eventhub there were lots of question to be answered and we need to find these answers by collecting data and information using available resources and tools.

It should be clear that there are many ways of collecting data from data sources and there are several data sources and several approaches to collect these information and data but the one that fit our problem to be answered is something to be discussed and think about it.

On the other hand, creating a software and managing its development process also need some sort of standard approaches and practices to clearly explain what have we done and how we have done it.

We cannot use a standard process or approach without help of a secondary tool designed to be used with that specific approach and that emphasize the importance of tools for achieving our goals.

We have taken advantages of all the mentioned approaches for collecting data and for designing and implementation of Eventhub. Eventhub uses widely accepted standards in every process including data collection, design and implementation, and managing.

3.1.1 Data Collection Methods

As we have mentioned earlier Eventhub target market not once specific desire thus all the functionalities and requirements were collected from market and we have collected data and answers for our questions form a wide range of individuals.

In order to answer question that we will encounter in our development process and to achieve people's feedback and also to prioritize Eventhub functionalities we make a questioner and provide it to individuals randomly to receive different ideas and visions about our premier functionalities.

The result we achieved is remarkable because it helps us a lot in our development and designing process.

We collect answers from more than hundred persons and analyze the result we have collected to better understand organizers and individual's thoughts and requirements of such a system. See Appendix A for finding our questioner.

Besides, we had also some interview with experts and scholars of the field to elicit and remove any inconsistency form our project form design and development perspectives.

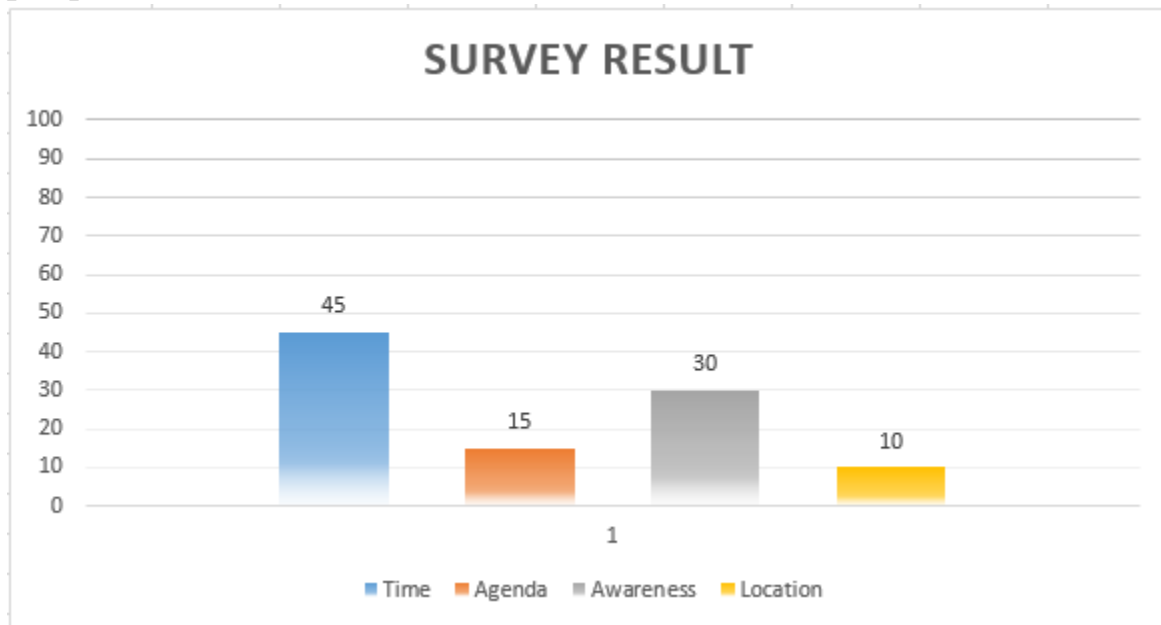


Figure 4. Survey Result

3.1.2 Software Development Methods

Nearly all software's or almost all software's nowadays are developed using a standard and widely accepted approach between professional software developers and software managers.

Using standards in software management and development process is a credit software companies use to attract customer's attention because a customer always sees how good you are at using standards.

Eventhub get benefit from one of agile software development process standard called scrum.

Our software engineers held a meeting once every week and discuss task to be performed during current week based on project schedule, and review tasks that was already completed.

Using scrum software development process everyone has their own responsibilities and also with the transparency scrum gives us, everyone has access to all information and progress of project.

With project schedule all task and required resources was defined so all staff are aware of how will perform what. This makes management of project more precise and simplify much of managers tasks.



Figure 5. Sprint Meetings illustration

3.1.3 Software Development Tools

Tools are vital part of creating, developing, and managing a project. Each type of project needs its specific type of tools and materials for its development purpose.

Eventhub took advantage of many newly emerged and up to date tools and materials to be complete.

We have used combination of android OS and many more libraries and technologies during development of Eventhub.

For backend of our Eventhub project we have used a new google technology called firebase. Firebase is a new cloud based technology of Google for storing, authenticating, real time accessing and managing data that we have get a lot its features and capabilities in our Eventhub project.

Google also offer another tool for working with android OS called android studio which is very popular and has a wide community and usage. For creating Event hub's UI our development team used android studio.

For management and design of Eventhub we have used Microsoft Visio 2016 and Microsoft project.

Version controller systems are main part of an organization for maintaining and keeping track of changes made by development teams. These VCS needed to work distributed and synchronously between developers.

Eventhub also needs to use one of these version controller system in order to keep track of any progress on the project. Hence we decided to use GitHub as our version controller system.

Another tool we were using during working on our project was GitHub which helps us a lot because we were working as team on our project and any change made by any of us was needed to be broadcast to all team members and everyone must know about that and the only tool that could handle this was GitHub.

Eventhub as managing system has this capability to bring facilities in everyday life of people how use it as tool for finding and organizing events because it is designed with the most updated technologies and tools.

Chapter 4

Concept

4.1 Definitions

In this chapter we are going to describe basic functionality of Eventhub and show how it works. Also to better illustrate these functionalities and use cases we are going to show use case diagrams of Eventhub.

The standard way of showing a system functionalities and usage is to describe these behavior using UML standard use case diagrams.

All these behaviors you will see here are implemented and delivered with Eventhub so understanding them now will help you easily use them in your mobiles. Each of Eventhub functionalities will be explained step by step in the next sections of this chapter.

4.2 System Usage

We design our system with maximum efforts to have a completely convenience user experience and user interactions. Eventhub UI and its use cases and functionalities which we have discussed in the previous chapters will be explained with more details in the next sections are designed to provide users a convenient way to join events and organize events.

Eventhub functionalities are illustrated in compact way in the Figure 6 and Figure 7.

In the next sections we will explain each of these use cases in more details. It is worth mentioning that these use cases are not all of the Eventhub capabilities and its usage it provides to its users but these are the most common and frequently used functions users will face and interact with.

Also some of our functionalities will seem familiar to users who have used other applications like Instagram because the concept behind these functionalities are similar to them.

4.2.1 User Interactions Use Cases.

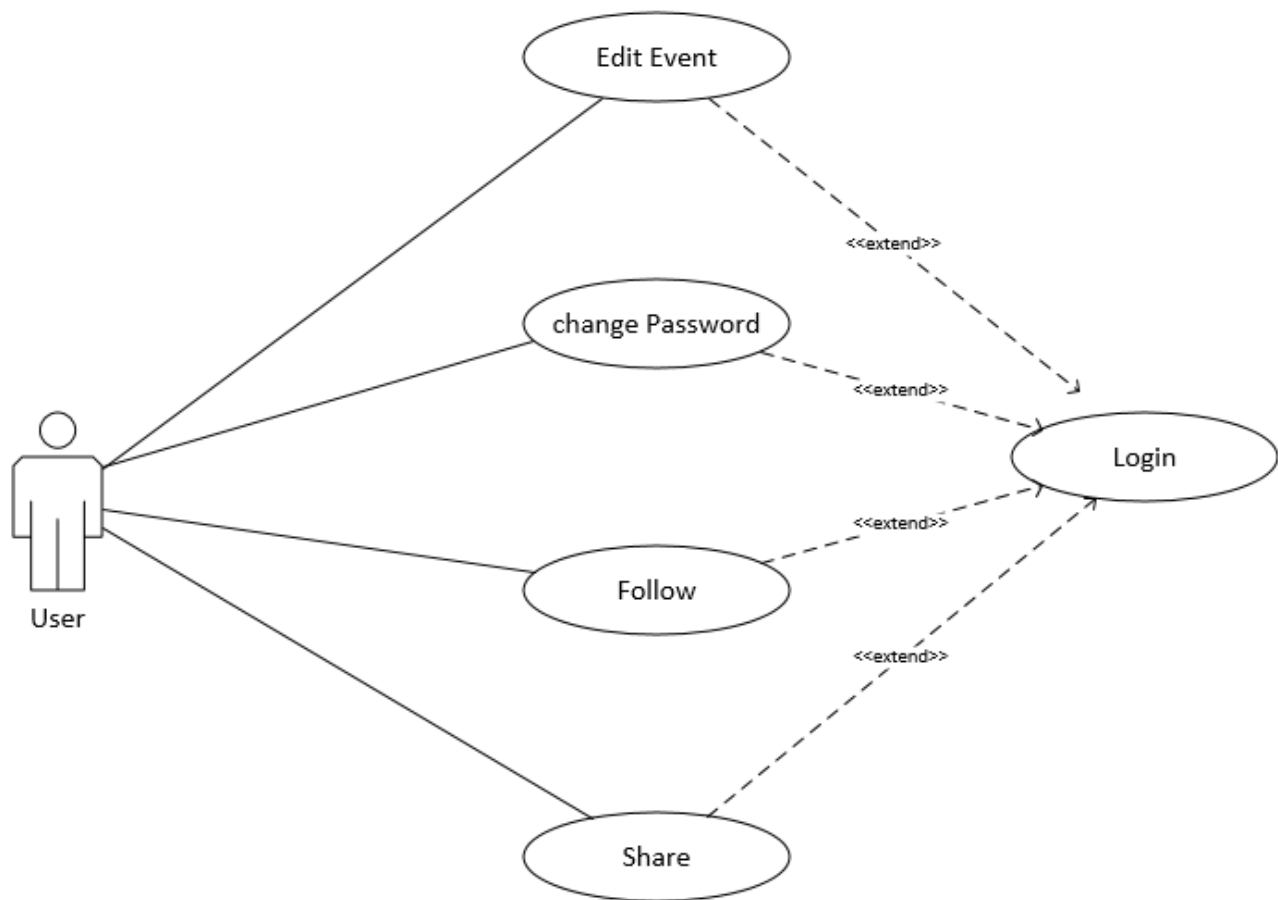


Figure 6. Use Cases of Eventhub

4.2.2 User Interaction Use Cases

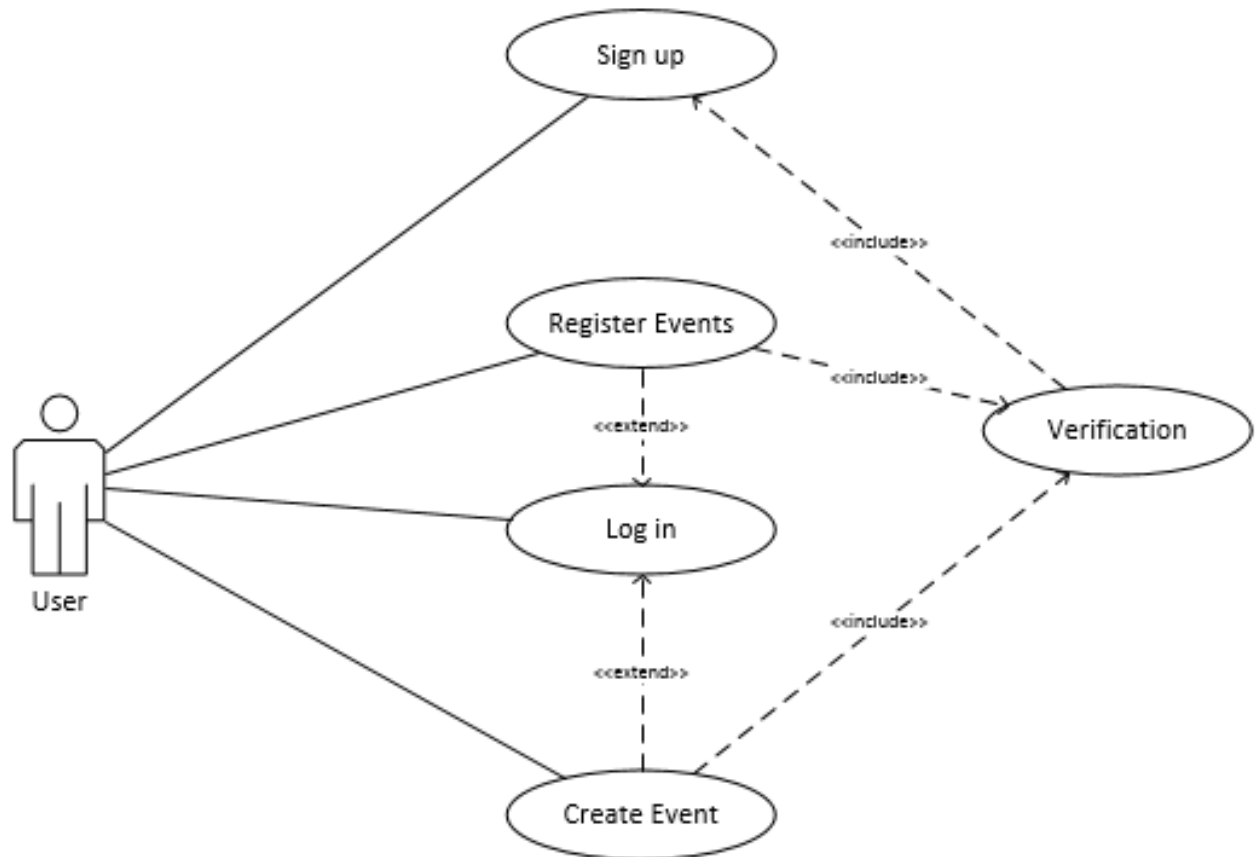


Figure 7 Use cases of Eventhub

4.2.3 Admin Use Cases

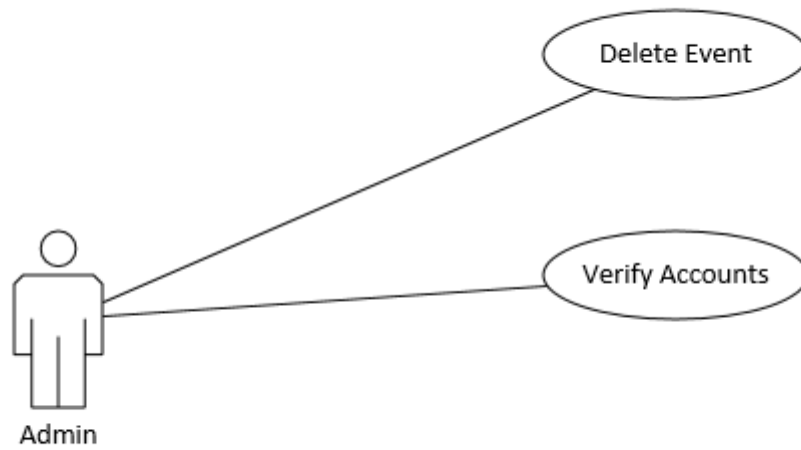


Figure 8 Use Cases of Eventhub

4.2.4 User Sign up

Each individual need an account before interrering Eventhub and seeing events. For this reason, anyone how wants to join Eventhub he or she is required to create an account or signup.

Once a user can sign up to Eventhub in three ways: using google account, using email address, and using yahoo address.

After signing up a user can see events but this is the only thing he or she can do and cannot participate or join events and create events. Now if a user wants to join events or create event he or she is needed to confirm and verify his, her email address.

Eventhub send a confirmation email address to each of its user once they have completed their signup form, so they can check their email and after clicking the link we sent to them their account will be verified.

Now they can participate events and create their own events.

4.2.5 User Login

After creating an account Eventhub users can login to their account anywhere and anytime. Their accounts will be safe and verified forever in our servers.

A user can change their account password within Eventhub and reset their password if they forgot it using their email address.

We also grab some other information about our users for security reasons so once they forgot their password they can access their account easily with that information.

There are also some restrictions on login users as well like they cannot create events or join events just by logging in into Eventhub, in order to remove these restrictions they need to verify their account for this propose we send them a confirmation email once they have submitted their registration form.

4.2.6 Creating Event

A user can create event once his or her account has been verified.

While creating event they need to specify event title, event type, event exact starting time, event exact end time, event starting date, and event end date.

Also each event has its own ticket which is provided by the organizer and each participant is needed to have a ticket before joining events.

Organizers decide whether their events are free to join or participants need to pay in order to join. Quantity of these tickets are also specified by organizers and that is completely up to them to specify amount of people which can join.

Once an organizer creates an event all users who follow that particular organizer will be notified by Eventhub about that event. That makes Eventhub more useful because it helps users to be notified even if they are not even aware of that particular event.

Events have three state once created: confirmed which means this event will not change before its organization, possibility to change which means this event is not confirmed in and may or may not be changed and possibility to change or cancel which means this event is probable to be cancelled.

Once a non-confirmed event is confirmed organizer can publish them and create ticket for them.

Non-confirmed events can have a time; location or agenda issue which means these or some of these components are changeable.

For unpublished events there is possibilities to change, modify or delete them. Eventhub users can also report organizers who post fake events or organize events which is unrelated the agenda of what they have posed.

Eventhub policy implies that if a post has been reported by more than ten users the post will be deleted by our team. Organizers whose events are reported that result deletion of the post more than three times those organizers accounts will be block by our team. If an event is deleted by the Eventhub a notification will be sent to all users notifying about deletion of the event.

4.2.7 Event Registration

All of our verified users can book a seat with a ticket and join their favorite event. If the event is free then booking event is simple just by taking a ticket and participating event but if the event is paid then they are needed to pay for their ticket to the organizer.

If the event is deleted in some consequences the organization have to return their money back. But for the free events only a notification will be sent to the users.

Organizers also need some information of users who are joined in their events and Eventhub user are needed to fill the ticket form accordingly.

4.2.8 Following

Another cool feature of Eventhub for its users is the capability it provides for its users called following.

A user can follow any organization he or she want to be notified from their events.

After following a specific organization user will be notified whenever that organization organize an event.

The inverse action is also possible means users can unfollow organizations if they want.

4.2.9 Favorite

A User can add an event to his or her favorite list for later decisions to join or share it with his or her friends.

Once the event is expired the event will be deleted form favorite list.

4.2.10 Share

Eventhub events can be shared with friend as well, to do so a link of the specified event is shared with friends. Once they clicked the link if they have Eventhub it will be opened else we will redirect them to play store to download Eventhub first.

4.3 System Administration

Eventhub team keeping track of every single activity of our users and organizations who have an account in Eventhub.

Two main activity we have is to verify our organization accounts and respond to reports our users send for events.

4.3.1 Account Verification

Eventhub uses an admin panel to verify our organization accounts. An organization account which is not verified yet is considered less reliable and acceptable.

Like most well-known applications verified accounts will have a feedback from us which is a little tick mark in front of their photo in their profile.

A verified account will also get blocked by Eventhub team if they post harassment and violence post because any post that contains content that according to our policy classified as illegal and break our rules of content like images, text, or insult for a specific part of society will be deleted and the organizer will be blocked.

Also a verified account can be blocked if there are enough complaints as report with our team.

4.3.2 Report Responds

An event which is reported more than ten times it will be deleted by our administration team. Each report contains a description defining of what is wrong with that particular event.

If an organization's events deleted more than ten times as result of repeating report the organization will be blacklist and block by our administration team.

We have included this feature in Eventhub for receiving user's feedback about organizations and their reliability.

Once an organization is blocked it can never again create event and will never be unblock and re-verified according to Eventhub management policy.

In order to prevent users from repeatedly reporting organization we will behave according to their message they send us in report and if the organization does not have that particular miss behave the user will be blocked.

Also a user can report any number of event a day their no restriction on them but if this was intentionally their accounts will be permanently blocked.

Chapter 5

Design and Implementation

5.1 Eventhub Design

Eventhub has taken advantage of android material design features and facilities for creating its layout and UI. Also we used Google APIs and Yahoo APIs in our user registration and logging tasks.

As we have point in the previous chapter's backend of Eventhub or simply our system database is relying solely on firebase which is Google's new technology.

The logic behind each activity and task was detailed in the chapter 4 system concepts.

Hopefully firebase provide you with a remarkable amount of implementation code but you are still needed to apply your system logic and policy accordingly.

5.1.1 User Sign Up

For signing up a new user there are three options which a user can choose: signing up using Google account if they have already on their mobile phones which will prevent them from verifying their account because they will be verified if they choose this option automatically, filling our sing up form and make their accounts verified with the verification email we send them, and the Last option is signing up with Yahoo which is the same as Google.

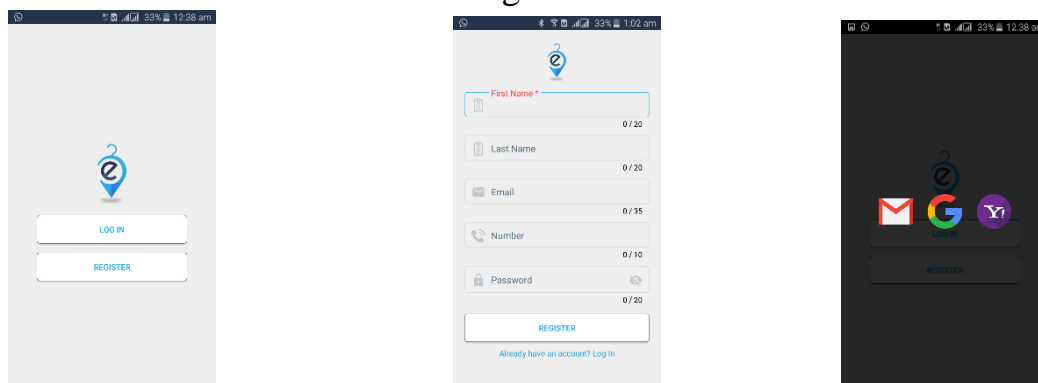


Figure 9 Three way of Signing up

5.1.2 User Profile

An Eventhub user will have a profile showing his or her personal information we keep with ourselves. This screen gives our users many other capabilities like editing their profile, seeing events they have favorited or liked, seeing their own events and logging out of their accounts.

They can also see their tickets which belongs to other events they are going to participate.

The following tab shows which organization a user is following and a user can follow as many organizations aa he or she wants.

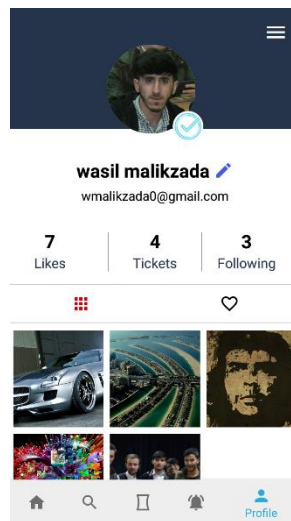


Figure 10 User Profile

5.1.3 Organizer Account

Apart from user account some of Eventhub users are also organizers which have an organization and organize events. Eventhub gives them an organizer account and other users can follow them with their organizer accounts.

Organization cannot create events if they do not have their organization accounts.

Organizer accounts are also editable which give the ability for organizers to change their organizer account or description.

Figure 11 Organizer Account

5.1.4 Event Creation

The main functionality of Eventhub and one of the key problems that Eventhub solved is creation of event. Our system is designed based on the idea of event and when we talk about events the first thing comes to our mind is managing of event creation.

Using Eventhub for creating events there are some required information about event Eventhub use to help user to understand what event is dedicated to and information about time of event and its location.

Your event will not be created if any of these information is missed. Also if you provide fake information that will causes your account in to risk of blocking in the case of users reports.

The last thing which is important about your event is the state of your event. An event may have three states: Confirmed which means the event will not change under any circumstances, Possible to change which means the event may or may not change in the future but will not be canceled, and the last state is Possible to change and canceled which means it's possible to change or even cancel the event.

The last thing to be mentioned is to provide ticket for every event you create, because without a ticket no one can join your event. With any registration to your event you will be notified.

Figure 12 Event and Ticket creation

5.2 Eventhub Management

Every system that is tends to provide services for people need some type of management to restrict malicious users form misusing of itself.

Eventhub also uses some type of management and responds to any kind of misusing of the system. We have a management team and a management panel which we call it admin panel form management our system. Our management team can delete an event and verify accounts that have verified their accounts in our system.

Any time a user reports an event the event is analyzed with respect to the report description and if we found any kind of fraud from our policy the event will be deleted and the organizer will be notified.

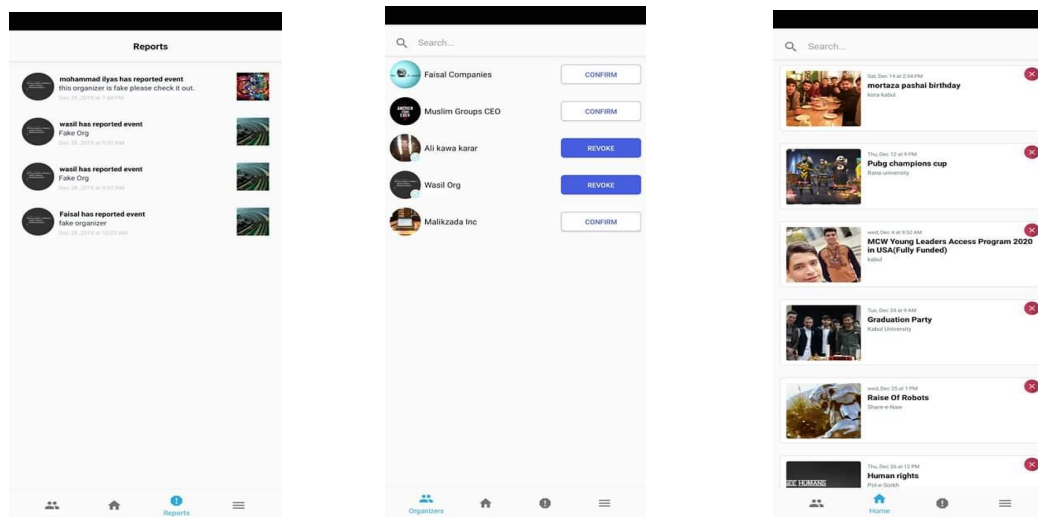


Figure 13 Admin Panel

Chapter 6

Conclusion and Recommendations

6.1 Conclusion

You were not able to find an easy way of managing and organizing your events and you were not able to join an event without so much of struggles.

Now with the help of Eventhub everything is in your hands, you can join events, manage events, and organize events just with your mobile phone and it will not be the easier than this. Eventhub solves nearly all of event related to events.

Eventhub provide these functionalities based on people's requirements and priorities because we ask them what they want from a such system and anything they told was in our main focus.

Now we have created our system that is capable of everything organizations and users are happy with.

Eventhub is created with the world's most recent technologies and tools to prevent our system from being argued that the system is not up to date also to attract trusted organization and firm's attention.

Currently Eventhub is just a mobile application but we have started our work on its web application and we have some progress in our web app

After we have completed our web app we want to start our services locally soon after we want to extent our system into a wide range where we want to serve regionally and globally.

Eventhub fulfilled its stated idea of provide people with the easiest and convenience way of Event management.

This will be a great contribution in the area of technology because currently everything is under the shadow of technology and we wanted to serve another part of our everyday living which was event management and hope fully we successfully completed our mission.

6.2 Recommendation

Eventhub will be a very handy tool if you are an organization and want to spread your experience and knowledge. Eventhub will be useful for spreading knowledge because the idea of events is some time to share what you have learned, and what you know.

When you think of your business with and without Eventhub you will definitely see a difference between them because Eventhub will bring you more than you can even imagine.

There are more than hundreds of events daily and almost all of them suffer from missing their participants furthermore there are thousands of people who spent their money to join their favorite event but because of misinformation about time and location of event they miss them.

Eventhub is here to solve all the mentioned problems and provide what is favorable for you. We have provided you with everything in your hand and it is up to you to use it or to choose whatever you want.

After we have created Eventhub web application Eventhub will be available over websites where you will find more audience for your event which means wider knowledge spreading area.

If you have created a new product and you want to advertise it somewhere than nowhere is more reliable and beneficent than Eventhub.

We recommend you what is recommend to you and you are free to choose.

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Appendix A

Event Management Survey for Eventhub Mobile Application

Your response is very important and recommended for us, so we suggest you to think deeply before choosing any answer.

Choose only one.

1. Have you ever participated in an event?
☐ Yes ☐ No
2. Have you ever missed an event you wish to join?
☐ Yes ☐ No
3. Have you ever missed an event because you don't know the exact time?
☐ Yes ☐ No
4. Have you ever missed an event because you don't know the exact location?
☐ Yes ☐ No
5. Have you ever missed an event because you were not even aware of that?
☐ Yes ☐ No
6. How much do you trust technology?
☐ A lot ☐ Little ☐ Not much ☐ Don't trust
7. If you prioritize one of the following when you are organizing an event which one would you pick first?
☐ Time ☐ Location ☐ Cost ☐ Agenda
8. As a participant of an event, which of the following is needed to be clear for you about event?
☐ Time ☐ Location ☐ Agenda
9. Do you think participating in events has any gain for participants?
☐ Certainly ☐ A few ☐ No
10. If it was possible to manage your event using your mobile phone, would you use it?
☐ Yes ☐ No

Thank you for helping us.

Your comments.

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