



**Project title: EvenTok**

**Academic Year: 2021-2022**

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Engineering**

**Department Name: Computer**

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**Project Type: Software Development**

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## **Project's Abstract:**

In this project, we will focus on creating a class educational event which is initially held in An-Najah National University, for both communities and participants which are either speakers or attendance from Palestine. Those events are always created by the heads of these communities who spend a lot of time and money to arrange an event that is both feasible and flexible according to set of limits and resources; These include the nature of the event, available rooms in An-Najah National University, speakers, time slots, and attendance number, the events are created for students, job workers or anyone who needs to develop a skill but didn't have an easy way to search and reach the available events in Palestine according to their interests, didn't find like-minded people to discuss with, or experts in the field they are interested in or they couldn't attend the event offline. This is why our piece of software comes in handy which is called "EvenTok".

EvenTok provides the user, if it is a community, with an environment to arrange their event according to the last mentioned limits, and if it is an attendance, helps them to find free or paid educational event that helps in study, work or considered as an extra experience in a field they are interested in, so the communities will have a verified account to arrange their event according to the previous limits which will be defined by using EvenTok GUI then publish it to the public with full information like: speakers and their accounts, time, place, duration and so on. The other users who have accounts will get a dynamic environment to participate in the published event forum, get their ticket as PDF to enter with a QR code which guarantees that every participant is registered on the form and vaccinated due to COVID-19 then at the event day, the mentors can scan this code, interact with the event by comment, like and even invite their friends, get a notification with the event information as an alarm. They can also chat with other users, or with the community for any suggestion. After the event, they can rate it, publish their feedback, watch it again since there is a playlist for every community to publish the recorded event. The people who couldn't attend can watch it as a live video from the application. As a result, EvenTok will provide the users with a distributed social network and ability to contact like-minded people and experts in the same field from the job market.



We will build a website application by using React, a mobile application by using Android Studio framework and React Native programming language for front end development with Node.js and PHP for back end development, Adobe XD for designing UI.

### **we have 3 types of users :**

1. The user who wants to attend educational events, and benefits from its content with the features introduced from the application in making new relationships with people who joined the job market, and facilitating access to the recorded content of the event, even if the student cannot join it.
2. Speaker is the person who will provide users with content under the community supervision.
3. The owner of the educational event, it could be the communities in An-Najah University like: (PMSA in Medicine College, SAPA and MSSS in the science college, GDG, DSC, ASCIII, IEEE in the IT and Engineering college), official educational institutions like: (Palestinian Korean Institute, Project Hub Club, Palestinian unions(النقابات الفلسطينية), Companies, Ministries, Schools).

### **Features and properties :**

1. Providing a chat feature between users, so the user can communicate with other users or with any educational institution or club to inquire about any information that is not clear. Chat groups can also be created between users and experts.
2. Providing the feature of uploading status, videos and pictures, broadcasting live video of the event, all these dynamic features helps in attracting people to spend time in our application and interact with each other.
3. Provide three ways to attend the educational event: The first is to register and get a PDF ticket with QR code to attend offline. The second is following the event online through the live broadcast technology that will be provided for each event,



If the previous two methods are not possible, the live broadcast videos and the related materials will be recorded and saved respectively In the event's playlist to help those who are interested to reach them in the easiest way and at any time.

4. Providing a QR code technology that helps in the following-up process of attendance in the educational event, the technology will work as follows, first when the person registers in the event, EvenTok sends him a PDF ticket including his information, event information and QR code. When the person attends the event, the mentors of the event can scan this code and make sure that the code is owned by the person who has really registered in this event.
5. Providing room reservation technology for the events that will be held inside An-Najah National University, where the room and halls program will be extracted from Zajel then the appropriate room will be represented with its details to the organizer and it reserved according to the number of attendees, if the number of attendees is small we provide a lecture room but in the case of a large number we provide a large theater. We will also provide Google Maps technology that helps communities to post the location of their event if it is outside the scope of the university for easy access.
6. Providing an exam forum in group chat, the event presenter can create a chat group with the participants and give an electronic exam to those who are interested in testing the outcomes of what they attend.
7. Providing notifications features that will be sent to the targeted students in a specific educational event according to the event's topic and their major by extracting their names and mobile phone numbers from Zajel then send them a message with the event time and place as an invitation, send notifications to those who already registered in the event, before days of the event's date as a reminder, send notifications about any event arranged by the community which the user followed in the application.

### Similar Applications :

**Zoom** : It supports many features such as chat, video, file sharing and presentation to a large number of attendees but just through the meeting! it doesn't provide organizers with a dynamic place where we can announce events, make interaction, reach the audience and have feedback. it doesn't help users in interacting with each other outside the meeting or reaching the speakers' contact information without asking.



**Eventtus** : the most important feature is that they provide a large number of attendees, about 10,000 people can attend the live video to help efficiently and share knowledge, but the dynamic area where the speakers and audience can interact isn't available, events aren't saved, notification is not available too.



**StreamYard** : it only provides a live video through the application itself or connecting it with linked in, YouTube and Facebook to broadcast the live video there. It's hard to have connection with experts through it since there is no dynamic area where the speakers and audience can interact, events aren't saved if it is broadcasted from the application itself, notification is not available too.



السنة 2021-2022 (EvenTok) عنوان المشروع : ايفنتوك  
مشرف المشروع : دكتور رائد القاضي

### ملخص المشروع

في هذا المشروع ، سوف نركز على انشاء افنتتات تعليمية تقام بشك رئيسي في جامعتنا جامعة النجاح الوطنية ، و سيفوم المشروع بتنظيم هذه العملية لكلا الطرفين ، مؤسس النشاط و المشارك فيه ، وكذلك للمتحدثين ايضا ، يتم انشاء هذه الانشطة عن طريق الشخص القائم على عمل النشاط ، الذي يبذلون الكثير من المال و الوقت في سبيل تنظيم النشاط بافضل شكل ، و يكون هذا النشاط محدود وفقا للموارد المتاحة ، التي تعتمد على طبيعة النشاط ، و الغرف المتاحة في الجامعة ، و المتحدثين في النشاط ، و الوقت المتاح ، و عدد الحضور من المشاركين ، يتم انشاء الانشطة لعدة اهداف منها الانشطة التعليمية او التي تختص بالوظائف المتاحة في سوق العمل ، او حتى لتطوير مهارات الطلاب الذين لم يملكو طريقة سهلة للبحث عن الانشطة المتاحة في فلسطين التي تتناسب مع اهتماماتهم ، و لم يجدوا اشخاصا بتشابهون معهم في الاهتمامات ، او خبراء في مجالات اهتمامهم او دراستهم ، او حتى انهم لا يستطيعون الانضمام للانشطة بشكل وجاهي ، هنا يكمن جوهر مشروعنا الذي يسمى ايفنتوك

ايفنتوك يوفر مشاركين و حضور للمجتمعات ، في بيئة مناسبة مع الموارد المحدودة التي تم ذكرها سابقا ، و بالنسبة للحضور نحن نساعدهم على اكتشاف أنشطة مدفوعة او بلا مقابل و هي أنشطة تعليمية ، و ايضا يمكن ان تكون أنشطة تتعلق بالعمل و الخبرات للطلاب و تتوافق مع اهتماماته ، و بهذا ستمتلك المجتمعات فئة كبيرة من الحسابات التي ستوسع مدى انشطتها ، و التي سيتم عرضها باستخدام واجهة التطبيق الخاص بنا ، و التي ستعرض للطرفين كافة التفاصيل ، من متحدثين ، و حساباتهم الشخصية ، و مكان النشاط و مدته الزمنية ، سيتمكن المجتمع او مؤسس النشاط من نشر أنشطة عديدة و ستصل للطلاب المعنيين ، كما سيتمكن الطالب الذي يمتلك المسؤولون سيتمكنون من قراءة هذا الرمز لتأكيد اشتراك كل شخص ، QR Code حساب من حجز تذكرته للحضور ، و امتلاك رمز ، و حصر الاعداد بسبب فايروس كورونا لمنع حضور اعداد غير متوافقة مع موارد النشاط ، و سيتمكن المشاركون من التفاعل مع منشورات النشاط باضافة اعجاب او كومنت ، و سيحصلون على اشعارات مستمرة من النشاط بكل جديد فيه ، و يستطيعون ايضا اجراء محادثة مع زملاءهم من الطلاب او مع مؤسسين النشاط ايضا للاستفسار عن كل ما يلزمهم ، و يستطيعون تغيير النشاط بانه مميز عن طريق النجمة الخاصة بالايفنت و الاحتفاظ به للعودة الى محتوياته في وقت لاحق ، كما يستطيع الأشخاص الذين لم يتمكنوا من حضور و غيرها zoom , stream yard ، النشاط بشكل وجاهي مشاهدته عن طريق البث المباشر للنشاط عن طريق العديد من البرامج مثل

كنتيجة لهذا المشروع ، يتمكن ايفنتوك من دعم شبكة اتصال واسعة المدة التي تمنح الاشخاص الذي يملكون نفس الاهتمام فرصة اكبر للقاء سويا ، و لقاء خبراء في مجالات اهتماماتهم ، لتطوير مهاراتهم الدراسية و العملية و حتى ايجاد العديد من الوظائف كما سنقوم ببناء موقف ويب خاص بالمسؤول عن التطبيق ، React Native سنقوم ببناء تطبيق لاجهزة الهاتف باستخدام تقنية سنستخدم البرامج التالية لبرمجة السوفتوير القائم على هذا المشروع  
(backend) لبناء ال PHP و node js الواجهات للتطبيق ، و React Native language , Studio framework  
لبناء الديرزين الخاص بالواجهات AdobeXd