Social GPS location alarm system for smart phones users

on myway

http://onmway.wix.com/on-myway

Graduation project documentation
Faculty of computers and information - Fayoum university
Computer science department

2013

Presented by :

Ahmed Nasr Attia
Islam Moustafa Qurany
Mohammed Abdel-Haliem
Abdalla Mohammed El-Roby
Moustafa Mohammed Mamduh

Supervisor: Dr. Ahmed Omran El-Zomor

Fayoum University
Faculty of computers and information
Computer Science department
Graduation project 2013/2012

On myway

Social GPS location alarm system for smart phone users.

http://onmway.wix.com/on-myway

Presented by:

- Ahmed Nasr Attia.
- Islam Mustafa Qurany.
- Mohammed Abdul-Haliem.
- Abdullah Mohammed El-Roby.
- Mustafa Mohammed Mamduh.

Supervisor:

Dr. Ahmed Omran El-Zomor.

Abstract

- There are many issues face people daily, one of them is forgetting tasks they have to do during the day, another one is that many people walk next to important places without knowing their importance, or many people walk next to markets that presents offers without knowing the offers. Also the difficulty of locating new place and the problem that face services providers when they want to advertise their services or their offices addresses. In brief the difficulty of locating places and advertising services.
- **By studying community and defining its needs, we found that community faces some problems which can be summarized in:**
  - The difficulty of locating important places and remembers their location on the map.
  - The difficulty of knowing the shortest path to a wanted place.
  - Another one is that many people walk next to important places without knowing that those places are important.
  - For services providers, the difficulty of advertising their new offers or services to their customers.
  - People got lost in places they don't know well.
  - Parents are always worried about their kids and want to reassure them.
  - The means of communications are limited by phone calls or social networks.

On myway is a social smart phone application. Aims to solve those difficulties. Its main function is to define a specific alarm and link it with a specific location on the map. When the user comes close to this point the alarm will appear to him. Socially, every user will have account. And other users can subscribe him to see his alarms. Alarms content may be text, Images, sounds, videos, webpages, or even a phone function.

Table of contents

List of Figures

Chapter 1

Introduction to on myway

- Overview
- Motivation
- Problem view
- System objective
- System overview and top features
- Fields and scenarios

This chapter is an introduction to the project, it presents the reasons of choosing this field, the problem definition and a brief introduction to the objective of (on myway) application.

Chapter 1 Introduction to on myway application

Overview

In this chapter we will present the reasons behind choosing this project, a problem view and our suggested solution.

Also we will present system objective and main features in brief, plus some possible scenarios that can be applied by this system.

Motivation

There are many issues face people daily, one of them is forgetting tasks they have to do during the day, another one is that many people walk next to important places without knowing that those places are important, or many people walk next to markets that presents offers without knowing the offers. Also the difficulty of locating new place and the problem that face services providers when they want to advertise their services or their offices addresses. **In brief the difficulty of locating places and advertising services.**

Problem view

By studying community and defining its needs, we found that community faces some problems which can be summarized in:

- The difficulty of locating important places and remembers their location on the map.
- The difficulty of knowing the shortest path to a wanted place.
- Another one is that many people walk next to important places without knowing that those places are important.

- For services providers, the difficulty of advertising their new offers or services to their customers.
- People got lost in places they don't know well.
- Parents are always worried about their kids and want to reassure them.
- The means of communications are limited by phone calls or social networks.

System objective

We aim to solve those difficulties and make life easier for people by designing a smart phone application that communicates people socially, depends on GPS locating system.

- The objective of the system is to make the user familiar with the places that he passes by every day.
- Communicate friends and families socially.
- User will never get lost and also his family.
- Help user to be able to track his family so that none of his family gets lost, and if this happened user can get notification from this family member to help him.
- Help user to be updated of all offers presented by his favorite stores of restaurants.

▪ System overview and top features

<u>On myway</u> is a smart phone application. Its main function is to define a specific alarm and link it with a specific location on the map. When the user comes close to this point the alarm will appear to him.

Socially, every user will have account. And other users can subscribe him to see his alarms.

Alarms content may be text, Images, sounds, videos, webpages, or even a phone function.

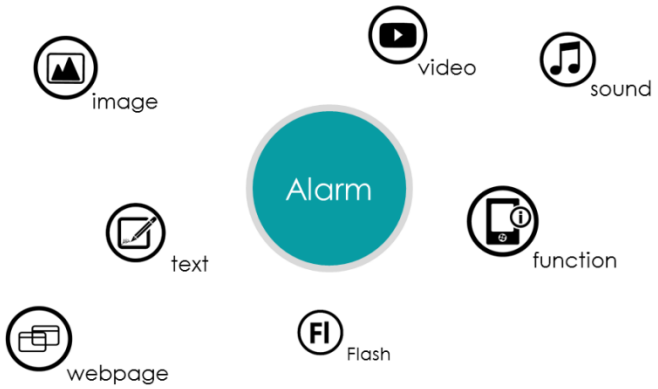

Figure 1.1 Alarm contents

Top features:

- Add Personal alarms so that user can remind himself with alarm message before reaching a specific location.
- Add alarms to other people to remind them also, or to present any data he wants to present to them.
- The ability to locate family members immediately and know there location.
- Browse other users on our net to choose who to subscribe and use his services.
- Subscribe other users (service providers or normal users).
- Enjoy editing the content of the alarms that will appear to your subscribers.
- Show the shortest path to a selected location from point A to point B.
- Control privacy so that user can define a specific group of subscribers to

see specific group of alarms (who sees what?).

➦ *System functions and features will be discussed in details later in chapter 3.*

▪ Fields and scenarios

The best of our application is that it can be used in many fields according to user interests like Advertising, tourism, news, medical reps, hospitals, religious . . .
While designing this application we figured out some possible scenarios of using it, we will present the most important…

- **Tourism agency:** on myway can be used by a tourism agency by locating the important touristic places and define an alarm contains information about each place.
  Users can subscribe this tourism agency and get benefit from its alarms.
- **Hospitals:** some users can create account to serve others; one of those services is hospitals locator.
  This user interests in hospitals, so he locates important hospitals and define his alarms to switch off the phone of his subscribers when they enter the selected hospitals.
- **Advertising:** advertising is very important to services providers, so with our application they can advertise their services to their subscribers wherever they are.
  When subscribers walk next to the location of advertise, an alarm appears on their screen with the advertise contents.
- **Religious:** another kind of users that are interest in religious places, they can create account and locate every mosque or church and define their alarm as a mobile function that activates the silent mode.
  So when their subscribers enter a mosque or church their mobiles become silent immediately.
- **News:** linking between news and place is very helpful services.
  One scenario of this service is to locate a place where important event happened in it, and alarm your subscribers with the news.

For example an area which is famous with robbery, this user can alert his subscribers before they enter this area.

- **Personal:** user also can define personal alarms which remind him with important task he might forget.
- **Family needs:** a wife can locate alarm to her husband on the market, this alarm contains her demands, when her husband goes to the market this alarm appears to him to remind him with family demands.

And more ….

Document Organization

At this section, this document is briefed. This document consists of seven chapters that are organized as follows:

- **Chapter 1** introduces "on myway" and presents its objectives and features.
- **Chapter 2** provides a background about the technologies and techniques used in the system, and present some of the similar related systems.
- **Chapter 3** presents the analysis and design phase of the system.
- **Chapter 4** presents a demo of test cases of the system.
- **Chapter 5** concludes the system and lists some future work.

Summary:

In this chapter we have presented the motivation to choose this project and we presented the proposed system overview and objective, also we have presented the top features of the proposed system and some scenarios of use that are predicted.

Chapter 2

Background and related systems

- Overview
- Web mapping services
- Related systems

On this chapter we will discuss background of the most related systems and similar application.

Chapter 2 Background and related systems

Overview

This chapter discusses the related systems to our application that we studied in order to design this application in high standers.

Related systems

Systems that are related to "On myway" and have mutual features and properties.

There are many related systems to "On myway" but there are all only local usage.

There is no one have social communication or network interactive.

Here are some related systems: you can follow links to read more

Location Alarm

- https://play.google.com/store/apps/details?id=silvertech.LocationAlarm&hl=en

Milwus Location Alarm

- https://play.google.com/store/apps/details?id=com.milwus.location_alarm&hl=en
- https://itunes.apple.com/us/app/milwus-location-alarm/id624519914?ls=1&mt=8

WakeMeHere - Location Alarm

- https://itunes.apple.com/us/app/wakemehere-location-alarm/id448033390?mt=8

GPS Tracking Pro

- https://play.google.com/store/apps/details?id=com.fsp.android.c&hl=en

Life360 - Family Locator

- https://play.google.com/store/apps/details?id=com.life360.android.safetymapd&hl=en

Chapter 3

System analysis and design

- Overview.
- System requirments.
- System use case diagram.
- System architecture.
- Entity Relationship Diagram (ERD)

- On this chapter we present system analysis and design (Non/functional requirements, Use case analysis, system architecture and ERD.

Chapter 3 System Analysis

Overview:

In this chapter we will present "On myway" system analysis including (Functional requirements, nonfunctional requirements, Use case diagrams and Sequence diagrams)

System Requirements:

- **On myway** is a smart phone application. Its main function is to define a specific alarm and link it with a specific location on the map. When the user comes close to this point the alarm will appear to him.
- Socially, every user will have account. And other users can subscribe him to see his alarms.
- Alarms content may be text, Images, sounds, videos, webpages, or even a phone function.

Functional requirements will be presented from two user perspectives

Functional Requirements:

In software engineering, a functional requirement defines a function of a software system or its component. A function is described as a set of inputs, the behavior, and outputs.

Functional requirements may be calculations, technical details, data manipulation and processing and other specific functionality that define what a system is supposed to accomplish.

Behavioral requirements describing all the cases where the system uses the functional requirements are captured in use cases.

▪ Smart Phone User Perspective:

Smart phone user or normal user is the user how uses the application to subscribe other users (his friend or family members) and the services providers.

- Add personal alarms so that he can remind himself with alarm message before reaching a specific location.
- Add alarms to other people to remind them also, or to present any data he wants to present to them.
- The ability to locate family members immediately and know there location.
- Browse other users on our net to choose who to subscribe and use his services.
- Subscribe other users (service providers or normal users).
- Enjoy editing the content of the alarms that will appear to your

subscribers.

- Show the shortest path to a selected location from point A to point B.
- Control privacy so that user can define a specific group of subscribers to see specific group of alarms.

- **Services provider User Perspective:**

Services providers are those users how introduce a service for others (like markets or tourism companies or newspapers).

- Add alarms to his account so that his subscribers can enjoy his services.
- Edited alarm content and how it will be appeared to subscribers.
- Control privacy and manage who of his subscribers can see which alarms.

Nonfunctional Requirements:

In systems engineering and requirements engineering, a non-functional requirement is a requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviors. This should be contrasted with functional requirements that define specific behavior or functions. The plan for implementing functional requirements is detailed in the system design. The plan for implementing non-functional requirements is detailed in the system architecture.

Nonfunctional requirements that "On myway" requires:

- **Reliability**:
- Presents the ability of a user to perform and maintain system functions in routine circumstances, as well as unexpected circumstances.

- **Availability:**
- "On myway" is available for any user has an account on the application, and already connected to the internet to enjoy with the advantages of the application.

- **Security:**
- The system is secured against hacking or misuse by providing user

accounts.

- Every user will have login data (name and password) that able only him to access his data.

- **Maintainability:**

- The maintainability is the ability to maintain system bugs and issues with less loss that doesn't affect the services or stop it.

- **Portability:**

- The system now works on Microsoft windows phone platform it can run at any version of windows phone.
- Future phase will work on android, ios, and blackberry platforms.

- **Performance**:

- On myway system running in mobile background and not eat mobile battery
- Run on of windows phone 8 processor Dual cores 1.5 GH, touch screen. And work on up Resources of mobile

- **Usability:** "**on myway**" application do not need any experience because it has a tour tips to use it such as using GPS Map on my way application for all peoples don't know specific places to go there Medical rep that don't know the address of the doctors they spent time and money to reach to the address of doctors and its contrast to the behaviors of their work so On My Way have Simple User Interface (UI) to make ease of use the application To use by anyone have experience or Not just locate the place at JPS map .

▪ Use case analysis:

The use case analysis is the foundation upon which the system will be built.

Use case diagram

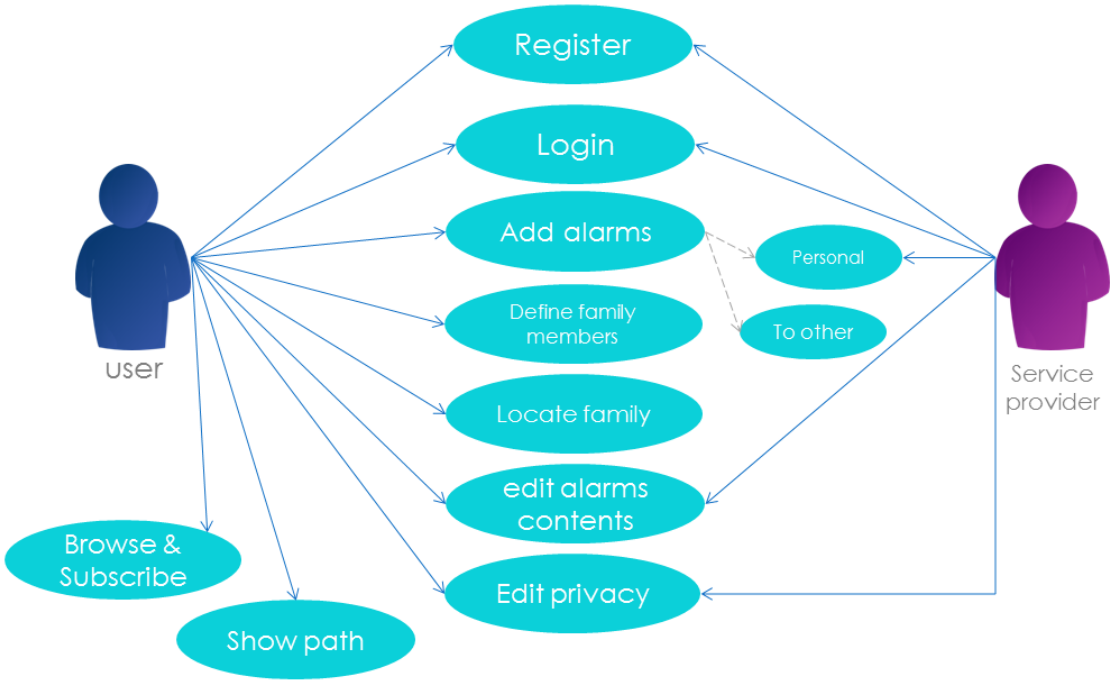

Figure 3.1 use case diagram

Normal User use cases:

- **Register:** user can register to the system in order to use the services the system provides.
- **Login:** after registration user can login to system to identify himself in order to access his data.
- **Add alarms:** the main function of the proposed system is defining alarms. User can define either personal alarms or public alarms that his subscribers can see.
- **Define family members:** user can choose members and define them as family members after their approval. This allows him to locate those members at any time.
- **Locate family:** after defining family members user can get their location at any time.
- **Edit alarm contents:** user can enjoy editing his alarms content and how they will look to his subscribers. User can choose alarm contents between texts, images, webpages, phone functions or multimedia content or a combination of them.
- **Edit privacy:** user have the ability to control the privacy of his alarms to allow group of his subscribers to see group of his alarms, or choose alarms to be seen by him only.
- **Show path to location:** user can select location he wants to go to and show the shortest path to this location on the map.
- **Browse and subscribe:** user can browse a list of other users and services providers and select who to subscribe according to his interests and the services that are provided by the subscriptions.

Service provider use cases:

Service providers are normal users but they are interests in providing services to other users.

- **Register:** user can register to the system in order to use the services the system provides.
- **Login:** after registration user can login to system to identify himself in

order to access his data.

- **Add alarms:** services providers can add only public alarms to be seen by their subscribers.
- **Edit alarm contents:** services providers are interested in advertise their services so they have more usability in editing their alarms content and how they will look to their subscribers. They can choose alarm contents between texts, images, webpages, phone functions or multimedia content or a combination of them.
- **Edit privacy:** service providers can control the privacy of their alarms to be seen by specific group of subscribers.

System architecture:

An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures of the system, which comprise system components, the externally visible properties of those components. **The figure 4.1 below shows the system components which are:**

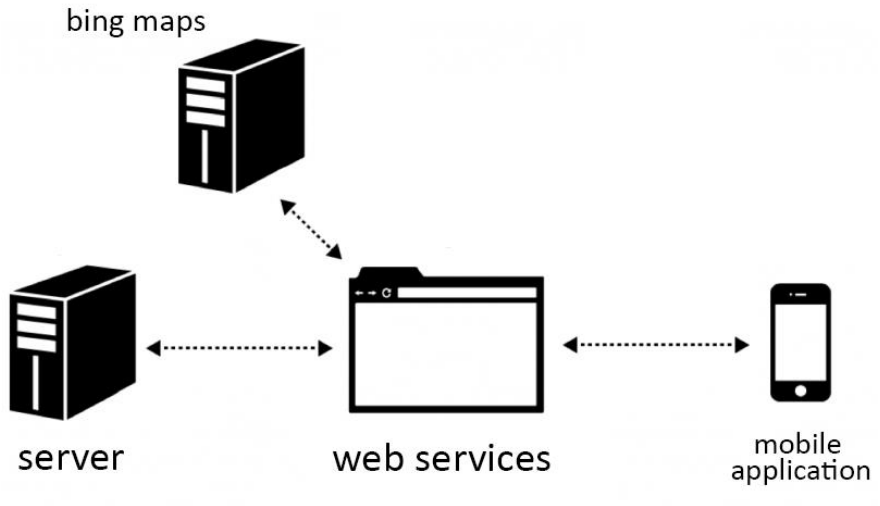

Figure 3.2: system architecture view.

Mobile application: mobile application is the component that user interacts directly with is to use the services and access his data and perform tasks that "on myway" supports. Mobile application is used to send and receive instructions and data to/from the server.

Web services: is a web application that handles the transition of data from server database to the mobile application. It is algorithms that perform the tracking and the View Alarms conditions, the interaction between users.

Server: is where data of users is saved, server consists of database and database manager:

- Database is the component that stores the system data like all users and their personal data, alarms contents and subscribers of users etc.
- Database manager is the component responsible for managing the database and performing read and writes operations in it. On the other hand, other components that need to perform operations on the database component use this component.

Bing maps server: this component is responsible for map data like streets names cities countries.

▪ Entity Relationship Diagram (ERD)

An entity-relationship model (ERM) is an abstract and conceptual representation of Data Entity relationship modeling is a database modeling method, used to produce a type of conceptual schema or semantic data model of a system, often a relational database and its requirements in a top-down fashion. Diagrams created by this process are called entity-relationship diagrams, ER diagrams, or ERDs.

The next page presents the entity relationship diagram of on myway system…

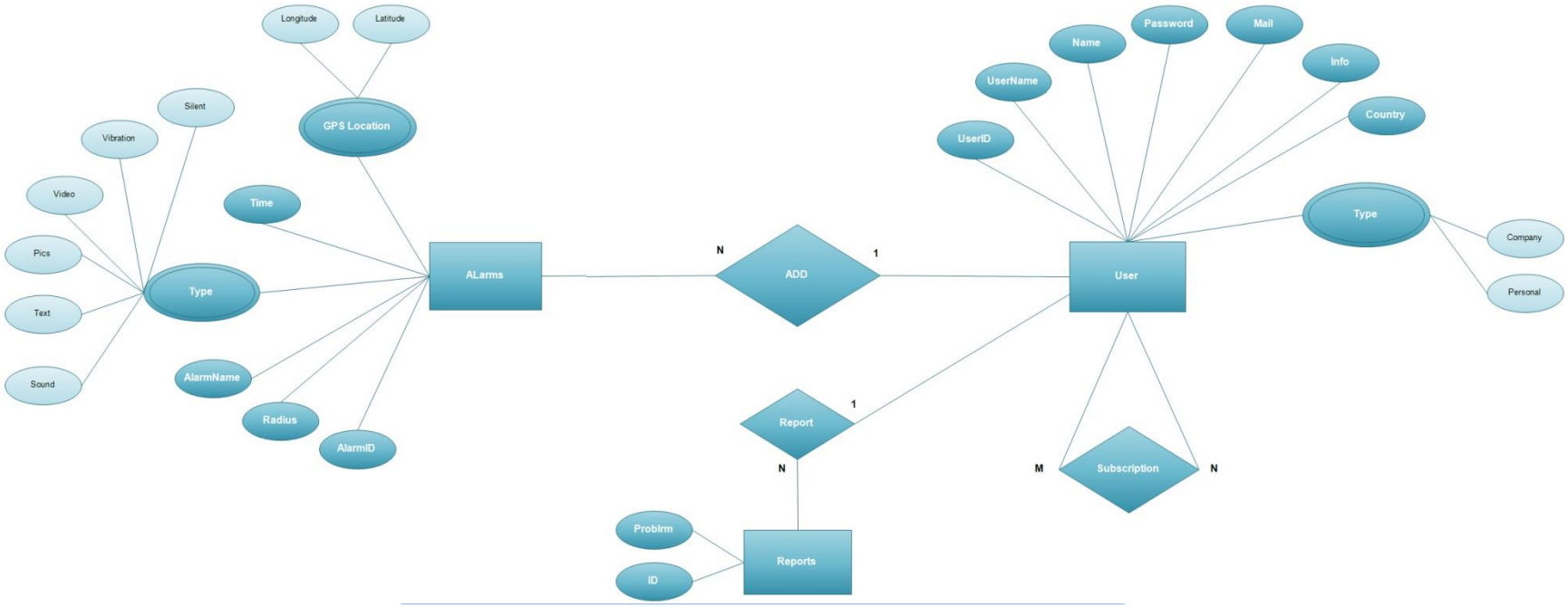

Figure 3.3 Entity relationship diagram (ERD)

The database is composed of three entities, which are:

1- User: this entity represent data about user and its attribute are :

- **UserID :** it is an integer and represent the ID of the User and it is a primary key
- **Mail :** string represent the mail of the user to register and login
- **Password:** is a string value represents a login password of a user to the system
- **Name:** string represent the actual name of the user.
- **Username:** String represent using name in the system.
- **Info:** string represents personal Info of the user in the system used to show his/ her profile.
- **Type:** string represent type of the user in using the system whether:
  - **Personal:** personal use such as family use or member in the system
  - **Company:** string represent type of company and its services to users in the systems whether tourism, advertisement services… etc.
- **Country:** string represents country of the user.

2- Reports: This entity represents the data of the problems that have been reported by users and its attributes are :

- **ID:** is an integer value and it is the primary key of this entity.
- **Problem**: string represents problems that are stated by the users.

3- Alarms: this entity represent the alarms and its location and its attributes are:

- **Alarm ID:** integer represents the alarm ID and it is a primary key in this entity.
- **Alarm Name:** string represents Name of the alarm.
- **Time :** time value represent time of the alarm
- **Radius:** integer represents circular range that represents the area of

destination that the alarm will fire.

- **GPS Location :**
  - **Longitude:** is a floating point value represents a longitude value of a GPS location.
  - **Latitude:** is a floating point value represents a latitude value of a GPS location.
- **Type:** string represent type of alarm
  - **Vibration:** Boolean value represent true or false to vibration mode.
  - **Silent:** Boolean value represent true or false to silent mode.
  - **Text:** string value represents text that will appear in the alarm.
  - **Sound:**(Multimedia value) represents sound that will occur in alarm.
  - **Video:**(Multimedia value) represents video that will appear in alarm
  - **Pic:** (Multimedia value) represents image that will appear in alarm.

Chapter 4

System Testing

System testing of software or hardware is testing conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements

Chapter 4 System Testing

Overview:

System testing of software or hardware is testing conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements. System testing falls within the scope of black box testing, and as such, should require no knowledge of the inner design of the code or logic.

We will present on this chapter some test cases and scenarios of use:

System test cases

Follow the link below and watch a demo of "On myway" prototype.

http://onmway.wix.com/on-myway#!prototype/cz17

Fields and scenarios

The best of our application is that it can be used in many fields according to user interests like Advertising, tourism, news, medical reps, hospitals, religious . . .
While designing this application we figured out some possible scenarios of using it, we will present the most important…

http://onmway.wix.com/on-myway#!scenarios/c1qlv

Chapter 5

Conclusion & Future work

- Conclusion.
- Future work.

This chapter presents the conclusion of the project and future work view.

Chapter 5 Future work

▪ Conclusion:

On myway is a powerful system in the field of advertising. It can be used by many kinds of users that have many different interests. It communicates people socially and saves time and effort in addition to increase people knowledge about places. It is considered as a new innovation in advertising that is the first of its kind in the world.

▪ Future work:

This documentation presents the first level of implementing "on myway project". The project is planned to be finished after several steps which start with this proposal.

After releasing the first version of the application and advertise it the number of users will increases.

- It is planned to spread the mobile application to be available on all smart phone operating systems to cover all possible users.
- It is planned to create a web site with more functionality which allows users to communicate socially and give their feedbacks about the services.
- Additional features will be added after studying users' feedback.
- Alarm contents will be more editable.
- This project is a business project and in order to make profit from it a business plan is required and a funding sponsor is also required. So it is planned to register with this project in the companions like MIT to present it to sponsors.

Arabic abstract

This part presents an Arabic abstract of the project

On myway

تطبيق اجتماعي لمستخدمي الهواتف الذكية معتمدا على نظام تحديد المواقع العالمي GPS .

مقدم بواسطة :

- احمد نصر عطية
- محمد عبد الحليم
- اسلام مصطفى قرني
- عبدالله محمد الروبي
- مصطفى محمد ممدوح

المشرف: د / احمد عمران الزمر.

نبذة عن مشروع on myway

مقدمة

يطلق على الهواتف والأجهزة المحمولة التي تعمل بأنظمة التشغيل الهواتف الأجهزة الذكية حيث يمكنك تصفح الانترنت ,البريد الالكتروني واستعمال التطبيقات و اضافتها. هوس الهواتف المحمولة الذي اجتاح أركان العالم الأربعة منذ إطلاقها، كان مؤشر قوي على تحول درامي في أوجه الأنشطة الاقتصادية مع ظهور جيل جديد من الهواتف الذكية . لم تعد اليوم مضطرا لحمل جهاز الكمبيوتر المحمول أو الجلوس طوال اليوم أمام الكمبيوتر المكتبي لأداء مهامك. فمع الابتكارات التكنولوجية المستمرة بحيث يمكنك إنجاز الكثير من التعاملات والالدردشة والتواصل أثنا تجوالك وقتما تشاء وأينما تريد.. أصبح كل شيء ممكنا باستخدام تلك الهواتف. من مميزات الهواتف الذكية انها جمعت كافة البرمجيات والتطبيقات في متجر خاص لكل نظام هذه الخطوة افادت المستخدم من جهة سهولة ايجاد التطبيق ومقارنته بغيره بعدما كان البحث عن التطبيق رحلة متعبة مابين روابط ونسخ غير متوافقة ومن جهة أخرى في عملية تجارة التطبيقات وسهولة بيعها وتداولها للمستخدم والمبرمج.

وقد ساعدت الهواتف المحمولة الأفراد والمنظمات في القفز إلى عالم أوسع من التكنولوجيا حيث أصبحت تكتسب شعبية أكثر وازديادا ملحوظا في عدد المستخدمين ، مما أدى إلى ابتكار طرق جديدة للاستفادة من هذه التكنولوجيا من خلال التطبيقات التي تسهل وتيسر على المستخدمين التواصل وسرعة الحصول على ما يريدون. كل يوم تتجدد المواقع الخاصة بالتواصل الاجتماعي فسابقاً كان الاتصال الهاتفي التقليدي هو الحلقة الوحيدة للتواصل الاجتماعي وبعد مواكبة التطور أصبح التواصل يتم من خلال العديد من القنوات والمواقع الإجتماعية, ولكن الشيء المثير للجدل هو أنه كلما ظهر موقع تواصل جديد قل اهتمام الأفراد بوسيلة التواصل الماضية !.

عرض المشكلة

هناك بعض المشكلات اللتي تواجه الناس يوميا. واحدة منهم هي التعرض لنساين بعض المهام المرتبطة بالمكان خلال اليوم. مشكلة اخرى هي ان هناك العديد من الناس قد يمرون بجانب بعض الاماكن الهامة دون العلم بمدى اهميتها او تاريخها (مثل الاماكن السياحية). او قد يمر الناس بجانب بعض الاسواق التجارية او مقدمي الخدمات دون العلم بالعروض المتوافرة في هذه الاماكن في الوقت الحالي. بالاضافة الى صعوبة تحديد الطريق الى مكان لم تذهب اليه مسبقا او اقصر الطرق المؤدية اليه. قد يواجه مزودي الخدمات بعض الصعوبات للأعلان عن خدماتهم او عروضهم او حتى اماكن مكاتبهم وفروعهم.

فكرة المشروع (on myway)

On myway هو تطبيق للهواتف الذكية تم تصميمة لحل هذه المشكلات وتقديم طريقة جديدة للتواصل بين اصحاب الاعمال وعملائهم, افراد الاسرة, الاصدقاء, او المجتمع بشكل عام.

الوظيفة الرئيسية ل On myway هي تحديد منبه و وضعه في موقع معين على الخريطة وتحديد الرسالة المرد التنبيه بها. عند المرور بجانب هذا الموقع يتم تنبيه المستخدم بالرسالة المحددة بالمنبه مسبقا.

بشكل اجتماعي يتم استخدام التطبيق من خلال متابعة المستخدمين لبعضهم البعض بحيث يمكن للمستخدم المتابع لك الاستفادو بالمنبهات التي قمت بتصميمها .

مكونات المنبه عديدة وللمستخدم الحرية في اختيار هذه المكونات بناء على الرسالة التي يريد توجيهاها لمتابعيه. قد تكون صورة مقال او فيديو او مقطع صوتي او صفحة انترنت او حتى وظيفة للمحمول اللذي يستخدمة (مثل تحويله الى الوضع الصامت عن دخول المستشفى).

لتوضيح الوظيفة الرئيسية سنعرض عليكم حالتين استخدام متوقعتين :

1. شركة سياحية تريد تقديم خدمة لعملائها لغرض الدعايا لنفسها و افادة العملاء, تقوم هذه الشركة باستخدام on myway لوضع تنبيهات على الخريطة الخاصة بالتطبيق في مواقع الاماكن السياحية مثل الاهرمات على سبيل المثال وربط هذه التنبيهات برسالة فيها معلومات عن تاريخ الاهرمات, قد تكون هذه المعلومات صور او صفحات انترنت, بالاضافة لتحديد النطاق المتاح لهذه التنبيهات.
يقوم عملاء الشركة واللذين يستخدمون on myway بمتابعة هذه الشركة للأستفادة من التنبيهات اللتي قامت بعملها. عندما يمر العميل بسيارته او على قدميه في النطاق المتاح للمنبه الخاص بالاهرمات تقوم رسالة المنبه بالظهور على شاشة هاتفه المحمول بالمعلومات اللتي تم تحديدها مسبقا من الشركة.
2. زوجة تريد ان تذكر زوجها بمتطلبات البيت وهو عائد من العمل, فتقوم الزوجة باستخدام التطبيق ووضع منبه للزوج على الحساب الخاص به, تقوم باضافة منبه موقعه هو السوق و الرسالة هي متطلبات البيت وتحدد النطاق المراد التنبيه فيه.
عندما يمر الزوج وهو عائد من العمل في النطاق الذي تم تحديدة من قبل الزوجة يظهر له المنبه الذي حددته الزوجة والذي يحتوي على متطلبات البيت وبذلك يتم تذكيره من خلال المكان.

ويوجد العديد من حالات الاستخدام التي يمكن تصورها في العديد من المجالات مثل الدعايا والاخبار وغيرهم...

وظائف اضافية:

- اضافة تنبيهات شخصية حيث ان المستخدم يستطيع من خلالهم ان ينبه نفسه عند المرور بجانب الموقع المحدد مسبقا.
- اضافة تنبيهات لمستخدمين اخرين لتذكيرهم بمهام معينه مرتبطة بمكان معين.
- امكانية تحديد موقع افراد الاسرة في اي وقت.
- تصفح المستخدمين الاخرين لأختيار المستخدمين لمتابعته من اجل الاستفادة من خدماتهم.
- امكانية تنسيق محتوى المنبه بالشكل الافضل لذوق المستخدم لعرضه على عملائه.
- امكانية تحديد اقصر الطرق للوصول لمكان معين وذلك لتوفير الوقت.
- التحكم في الخصوصية بحيث يستطيع المستخدم تحديد مَن مِن متابعيه يستطيع ان يرى التنبيهات اللتي قام بعملها.

يحتوي **on myway** على العديد من المميزات التي تجعله مناسب جدا للأستخدامات المرتبطة بحياة الناس اليومية اهمها توفير الوقت والجهد وتكاليف الدعاية بالاضافة لتحديد الاماكن بدقة و التواصل الاجتماعي خصوصا بين اصحاب الاعمال وعملائهم وتسهيل عمليه الدعايا والاعلان لهم...

For more details and demo view please visit our website

http://onmway.wix.com/on-myway