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JUDUL : TRADES SUBSYSTEM FOR PIN-IT

SESI PENGAJIAN : 2013 / 2014

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TRADES SUBSYSTEM FOR PIN-IT SOCIAL NETWORK

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This report is submitted in partial fulfilment of the requirements for the

Bachelor of Computer Science (Software Development)

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

2013

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DECLARATION

I hereby declare that this project report entitled

TRADES SUBSYSTEM FOR PIN-IT SOCIAL NETWORK

is written by me and is my own effort and that no part has been plagiarized without citations.

STUDENT: _____ Date: 30/8/13

(AIDY AKMAL BIN SABTU)

SUPERVISOR: _____ Date: 30/8/13

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DEDICATION

In the name of ALLAH, most Gracious, most Compassionate
Giving me the chance to complete the project as schedule. Providing me with ideas, strengths, knowledge and good health to finish the system as intended

To my Beloved Family
Thank you for always support me with kind love, motivation and ideas to finish the project.

To My Lecturers an Supervisor
Thank you for you guidance, patience, encouragement and support during these period of time. Your help will never be forgotten.

To My Friends
Thank you for all the shared knowledge and support during these hard time

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ABSTRACT

Trades is a subsystem for PIN-IT Social Networking which using geotagging technology as its main feature. The subsystem focus on helping PIN-IT user to buy and sell personal item by making an advertisement in Trades subsystem. What differentiate Trades subsystem with webpages like Mudah.my and Facebook is that the geotagging technology used by the system. The objective of Trades subsystem is to help user to find buyer and customer at certain place. The location of people who sell their item will be pinned and showed on PIN-IT map making it easier for customer to find the seller. When customer are interested in buying the item, they can either contact them through phone or message them using PIN-IT. Trades also has another function which help PIN-IT user to post item that they have been searching for. It help the seller to sell their item easier and making the process of buying and selling much more flexible. Trades subsystem is a web based application using PHP languages and PhpMyAdmin as database management application. The database are combine with the main PIN-IT database system so that it will be much easier to manipulate the data. It was developed using the star lifecycle methodology so that the system can be monitor live in the evaluation phase. In developing the Trades subsystem, Adobe Dreamweaver CS4, Filezilla, and Chrome web browser are used to ensure all function can run successfully.

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ABSTRAK

Trades merupakan subsistem bagi PIN-IT yang menggunakan teknologi geotagging sebagai teknologi utama. Subsistem ini dikhususkan untuk membantu pengguna PIN-IT untuk menjual barang persendirian dengan cara mengiklankan barang tersebut pada subsistem Trades. Apa yang membezakan Pinit subsystem dengan laman sesawang seperti Mudah.my dan Facebook ialah teknologi geotagging yang digunakan pada sistem. Objektif bagi subsistem Trades ialah untuk membantu pengguna mencari pembeli dan pelanggan di tempat-tempat tertentu. Lokasi penjual barangan akan di pin dan ditunjukkan pada peta sistem utama PIN-IT menjadikan pelanggan lebih mudah mencari lokasi penjual. Apabila pelanggan berminat untuk membeli barangan yang diiklankan, mereka boleh sama ada menghubungi penjual melalui telefon atau mesej penjual melalui PIN-IT. Subsistem Trades turut juga disertakan dengan fungsi yang dapat membantu pengguna PIN-IT untuk "post" barangan yang mereka cari-cari. Ia dapat membantu penjual untuk menjual barangan mereka dengan lebih mudah dan menjadikan proses jual beli lebih fleksibel. Trades subsystem merupakan aplikasi laman sesawang yang menggunakan bahasa PHP dan PhpMyAdmin sebagai pengurusan pangkalan data. Pangkalan data digabungkan bersama-sama sistem utama PIN-IT supaya data lebih mudah untuk di manipulasi. Ia dibangunkan menggunakan metodologi *lifecycle* supaya setiap perubahan dapat diperhatikan semasa frasa penilaian (*evaluation phase*). Dalam membangunkan Trades subsystem, perisian seperti Adobe Dreamweaver CS4, Filezilla dan pelayar sesawang Chrome digunakan untuk memastikan setiap fungsi dapat beroperasi sepenuhnya.

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CHAPTER I

INTRODUCTION

1.1 Project Background

Pin.it trading is being developed to help user to do variety kind of thing. One of its sub-systems is to help user to trade items by pin their location and making the process easier. The trade sub-systems will provide a platform for user to advertise their item or belonging to be sold through Pin.it. User can browse item according to categories to narrow their search. The trade sub-systems also support function for user to post item that they have been searching for. This will help other user to find customer easily making the way of buying and selling more flexible.

1.2 Problem statement

The development of these applications is based on the several problems stated as below:

i. People have difficult times to find customer and sell their item

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ii. Places of seller is not specify for people to buy the item increasing the chance of being deceive
iii. People have a hard time to tell others the item that they have been looking for

1.3 Objective

Each project must be developed with the objective to enable developing the project for achieve the desired target. These applications development is to facilitate the user. The objective of this application is:

i. Make selling item more easy where people can sell their item online anytime anywhere
ii. To increase customer trust on seller by providing their place through Pin-it map
iii. User can find out what other users been searching for if in case they wanted to sell the same item

1.4 Scope

The scope of the project is for customer to be able to sell and buy product. The system itself is working as a middle men between buyer and seller. By being as a member of pin-it, they are able to sell and buy item online and able to find a person who has the item that they have been looking for.

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1.5 Project Significance

There are several project significance to be as a result and purposes from developing the application:

i. **Doing a business online will be easier**

   It will be easier to publish their product as an advertisement in pin-it system

ii. **Finding the item that they have been looking for**

   User can post their wish item in the system and if other user have the product an intent to sell it, the process can be made as the system will be the middle men.

1.6 Expected Output

The expected output from this application is to give good facilities to all users while using the Pin-it Trades application. From this application user can make selling item easier where people can find their item online anytime anywhere. The system will display all item from all users of the system and removing the restraint of only friend's item will be displayed. Maps are given to help users to find the location of where the seller is selling the item. All item that the user wanted to sell will be displayed in the main Pin-it system to make searching of product much easier.

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1.7 Conclusion

The system will be able to make the process better by not only increasing customer trust by sharing the seller location, it can also be the middle men for buyer and seller to run a business. User can also post the item that they willing to buy at a certain price and other user who has the item can sell to the user who want to buy it. Main target for the system is to help user to advertise their item to be sell and help buyer to find their searched item. The next chapter will explain the literature review and type of project methodology being used to develop the system.

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CHAPTER II

LITERATURE REVIEW

2.1 Introduction

Literature review is one of the most important phase in the development of a system. A methodology is a guideline for system in solving a problem. Literature review is a process to analyse, evaluate and formulate analytical materials on the development of the system. At the end of this study, we will get a brief reference of the system. Through literature review we can also review the types of appropriate methodologies used to build the system. The methodology is important as it will help to understand the processes that occur in the system. This chapter will show the literature review and type of methodology that being used.

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2.2 Facts and Finding

Fact and finding is an important things in system investigation. In this phase each function system needs to be understood by the developer to design the proposed system. Many methods used and one of the methods used is fact finding. The developer must fully understand the current system. It must need the requirement, collet the data and implement the technique to the system

2.2.1 Domain

Pin-it Trade subsystem focus on the function of helping the user to buy and sell item. It integrates with Pin-it mapping system where user can post their taught while sharing their location. It can be used by everyone who is registered to Pin-it and there is no restriction to whom they want to sell the item making the process of buying and selling easier.

2.2.2 Existing Application

By using the manual system the user should be able to sell and buy item but with restriction of the seller exact location decreasing the trustworthy of buyer. It will give a big impact on online shop where thrust is mostly the number one issues. They are several existing applications that focus on these function such as:

- Mudah.my
- Facebook.com

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i. Mudah.my

This online application allows anyone to buy and sell items in their own area easily and quickly. Mudah.my allows users to connect with buyers and sellers in Malaysia. This service is one of the most visited in Malaysia to run an online business.

Figure 2.1 mudah.my

ii. Facebook.com

Facebook is free social networking sites that are popular around the world. Through Facebook user can sign up to create a profile, send messages, upload photo and video and it enables users to connect with the right partners. The features of Facebook are:

- Marketplace - allows members to post, read and respond to classified ads.
- Groups - allows members who have common interests to find each other and interact.
- Events - allows members to publicize an event, invite guests and track who plans to attend.

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- Pages - allows members to create and promote a public page built around a specific topic.
- Presence technology - allows members to see which contacts are online and chat.

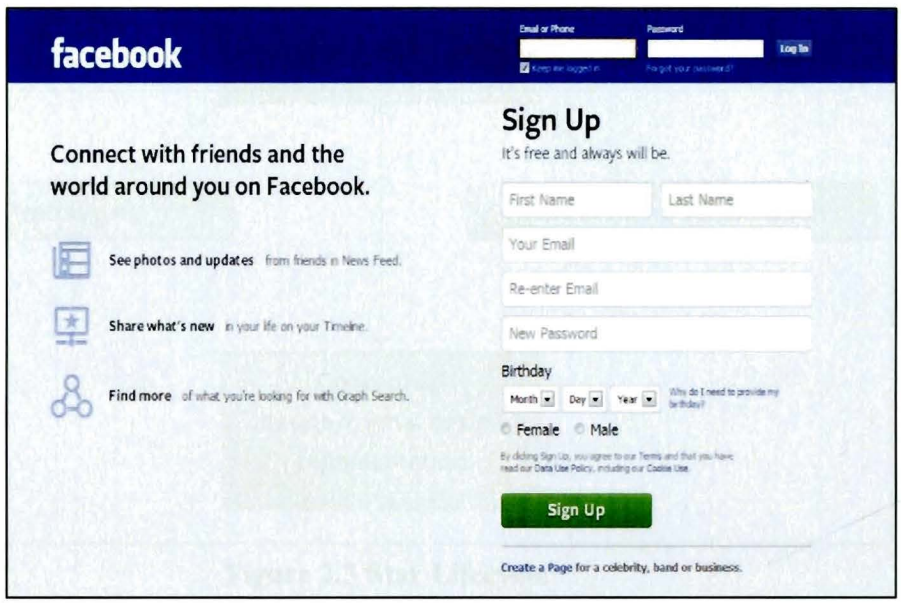

Figure 2.2 www.facebook.com

2.3 Project Methodology

To develop the Pin-it trade subsystem, the methodology that used for this system is the star model lifecycle. Star lifecycle model is a unique process because the points of the star are not ordered or connected in a sequence. The Star lifecycle does not specify any ordering of activities. In fact, the activities are highly interconnected: you can move from any activity to any other .Through the star model; we cans start with almost any development phase activity. In this model it has six phases:

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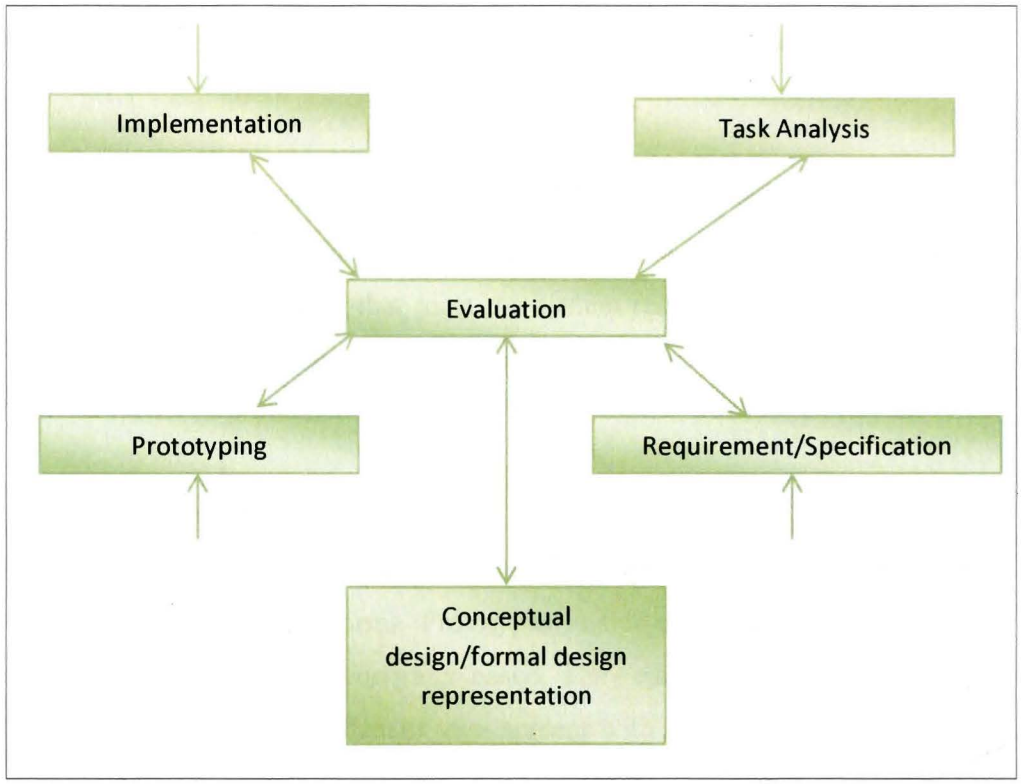

Figure 2.3 Star Lifecycle

i. Evaluation

In this evaluation phase is central to this model. Evaluation performed on each phase has been carried out on the system to be developed. Then it will be evaluated to every phase that can be applied effectively in the system activity.

ii. Task Analysis

Task analysis is the process of analysing the system to be developed. It was meant for us to identify the goals and purpose of the prospective user. Understand what users do to achieve those goals and then design the system that's cans help the user.

iii. Requirement / Specification

Requirement is the process of determining user expectations. State the user requirement and what the user need in this system It also describes the behaviour of the user interaction and also hardware. Create the detail functional requirement. In the

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