

SCUBA DIVING ONLINE

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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**

2010

DECLARATION

I hereby declare that this project report entitled

SCUBA DIVING ONLINE

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

STUDENT

:  DATE: 28/06/2010

(AFIDATUL NADIAH BT. AZIZAN)

SUPERVISOR

: _____ DATE: _____

(DR. HIDAYAH BT. RAHMALAN)

DEDICATION

To my beloved parents...

ACKNOWLEDGMENTS

First of all I want to say thanks to Allah Almighty for the consent I successfully completed the “Projek Sarjana Muda I and II” and completed my report. I would also like to thank goes to my parents, Azizan B. Ahmad and Zurina Bt. Darus for giving me support and motivation to complete my project. Thanks a lot to my supervisor, Dr. Hidayah Bt. Rahmalan whose help give a brilliant ideas and suggestion and always help in all the time of research for writing of this thesis and develops the system.

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ABSTRACT

Generally, users must find person or shop to find scuba equipments to buy. It is also about to join scuba courses. It is quite difficult to users to find another shop or organization that organized the courses and equipments order.

This project focuses on the equipment order and courses join. Then, users can know all the details about scuba diving activity. Currently, the information about scuba diving can be finding in internet, but it does not have equipment order or courses participation. Hence, Scuba Diving Online was developed in order to make user easier to make all in one page only.

This thesis will explain the processes of developing the Scuba Diving Online which includes introduction of the system, literature review and project methodology, system and design, and system implementation.

ABSTRAK

Kebiasaannya, pengguna akan mencari kedai atau individu untuk membeli peralatan scuba atau ingin menyertai kursus scuba ini. Hal ini agak merumitkan pengguna untuk mencari organisasi yang menguruskan penawaran kursus atau penempahan peralatan.

Projek ini memfokuskan kepada penempahan peralatan dan penyertaan kursus scuba. Kemudian, pengguna juga boleh mengetahui semua maklumat berkenaan aktiviti scuba ini. Pada masa ini juga, segala maklumat mengenai aktiviti scuba ini boleh didapati di internet, tetapi ia tidak mengandungi penempahan peralatan atau penyertaan kursus. Oleh itu, "*Scuba Diving Online*" dibangunkan untuk memudahkan pengguna untuk melakukannya di dalam satu laman web sahaja.

Thesis ini akan menerangkan proses-proses yang terlibat dalam membangunkan "*Scuba Diving Online*" yang meliputi perkara-perkara seperti pengenalan kepada sistem, pengulasan system dan metodologi sistem, rekabentuk dan analisa sistem, dan pelaksanaan permbangunan sistem.

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CHAPTER I

INTRODUCTION

1.1 Project Background

Nowadays, teenagers and children prefer the indoor game compared to outdoor games. The indoor games are play station 2, mobile games, and computer games. In fact, more outdoor games more interesting than indoor games because it can make body more energy and it is an interesting activities.

One of the interesting activities of outdoor games, sport lovers can see the beauty of the underwater that appear to be very enchanting. At the same time, the divers can take pictures and can find any kind of submarine life under the sea.

However, with lack information about scuba diving among teenagers or children, it is suggested to develop a Scuba Diving Online to promote this activity. With this Scuba Diving Online, anyone can access the information about scuba diving activities

such as dives courses, dives instructor, scuba diving guide, scuba equipments, scuba equipments and courses participation, dives sites and the latest events.

With Scuba Diving Online, the data will be easily to manage. In this situation, computerized database is more effective than using manual file system because there are many data need to manage. Computerized database is also more secure than the manual file system.

1.2 Problem Statement

Users do not know exactly the cost of each diving courses that be offer. The certain user might thought that for each courses that be expensive or cheaper. Therefore, it quite difficult for the customer to do their budget. It will be more uncomfortable when some sites only display the scuba equipments without informing the places to buy.

1.3 Objective

The purpose of this Scuba Diving Online is to let people know more about scuba diving activities. The objectives in the development of this Scuba Diving Online are:

- Introduce scuba diving to public.
- Spreading the latest events.
- An easy way to order the scuba equipments and dive courses participation.
- User will know more details about course including the cost.

1.4 Scope

Scuba Diving Online will be used by user and administrator. The function of Scuba Diving Online is to promote the scuba diving for all people especially the children. Scuba Diving Online also developed to make user easier to download material such as dive courses. With this Scuba Diving Online, user can make scuba equipments ordering at the same place.

Only administrator can create, update and delete information in this Scuba Diving Online. Administrator must login first before do this. User can view the personal details of dives instructors, view the dives courses, view scuba equipments, view the latest events, view scuba diving guides download dives instructor personal details and dives courses, and making scuba equipments and dive courses participation.

1.5 Project significance

Administrator

- Admin can easily manage the database it is computerized. In this situation, computerized database is more effective than using manual file system because there are many data need to manage. Computerized database is also more secure than manual file system.

User

- User can access the all information that only one web site. They can know anything about scuba diving activities at this Scuba Diving Online.
- User can know the details about dives courses including the price.
- User can make an ordering the scuba equipments and join the dives courses.

1.6 Expected output

Scuba Diving Online can be implemented by Tourism Department for attracting all generation of people. The tourism industry has been transformed by ICT. The internet has changed the way in which consumers plan and buy what they want from the internet. It has also affected how tourism providers promote and sell their products and service.

With this Scuba Diving Online, the users can know much more information about this activity and never lack of information about this activities.

1.7 Conclusion

This chapter explained about the introduction of Scuba Diving Online which includes dives instructor personal details, dives sites, scuba equipments, scuba diving guides and events. The developments of Scuba Diving Online are also to overcome all the problems that occur in the current system and enhance some extra function such as upload dive course, dive site and dive instructor. Scuba Diving Online is expected to have the opportunities to be enhanced and can be used by all tourism departments.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter will discuss about literature review and project methodology. For facts and findings it will cover about what domain related with my project, technique that will be use and related to my project and existing system. Then, will be discuss what project methodology that will be use in my project.

Not only that, project requirements such as software, hardware and other requirements will be explained. Project schedule and milestone will be explained too.

2.1 Facts and findings

2.2.1 Domain

There is growing interest in the use of ICT in tourism sector. The tourism industry has been heavily affected by ICT applications. The internet, in particular been useful in many regards to the tourism sector. It is used to provide multimedia information about any kind that related with tourism. With the aid applications, prospective tourist or local people can view all activities that related with tourism sector and pay for all these without leaving their homes. ICTs in this industry consist of various components that include computerized reservation systems, teleconferencing, video, video brochures, management information systems, airline electronic information systems, electronic funds transfer, digital telephone networks, smart cards, mobile communication, e-mail, and Internet.

2.2.2 Existing System

Scuba Diving Malaysia, (<http://www.scubadiving-malaysia.com/>) is one system about scuba diving activity. There are four requirements of this system such as instructors, dive courses, dive sites, go pro, links, scuba equipments, new and events, marine fish ID, and photo gallery.

For Dive Courses page, they explained about what courses that they offered to users. Then, that page also includes the explanation about the courses.

For Scuba Equipments page, they give short requirements for that scuba equipment includes the price. For News and Events page, they let user know what the latest evens and news that happened to their organizations.



Figure 2.1: The main menu for Scuba Diving Malaysia

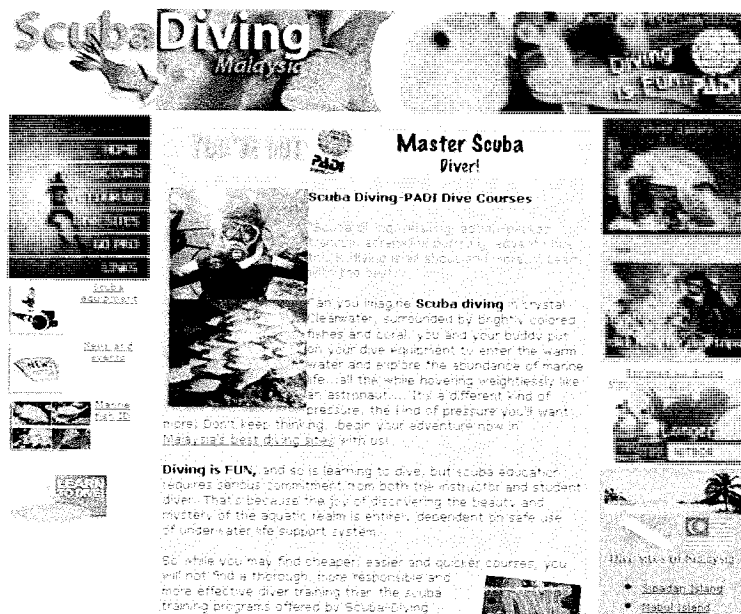


Figure 2.2: Dive Courses page

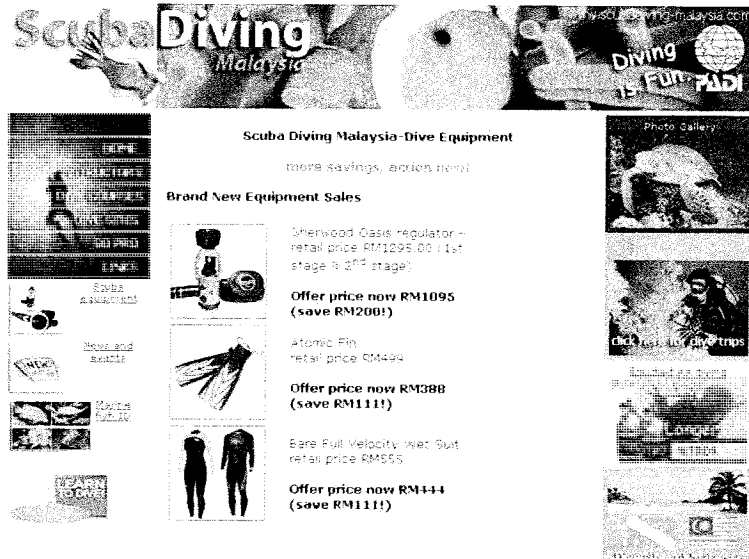


Figure 2.3: Scuba Equipments page

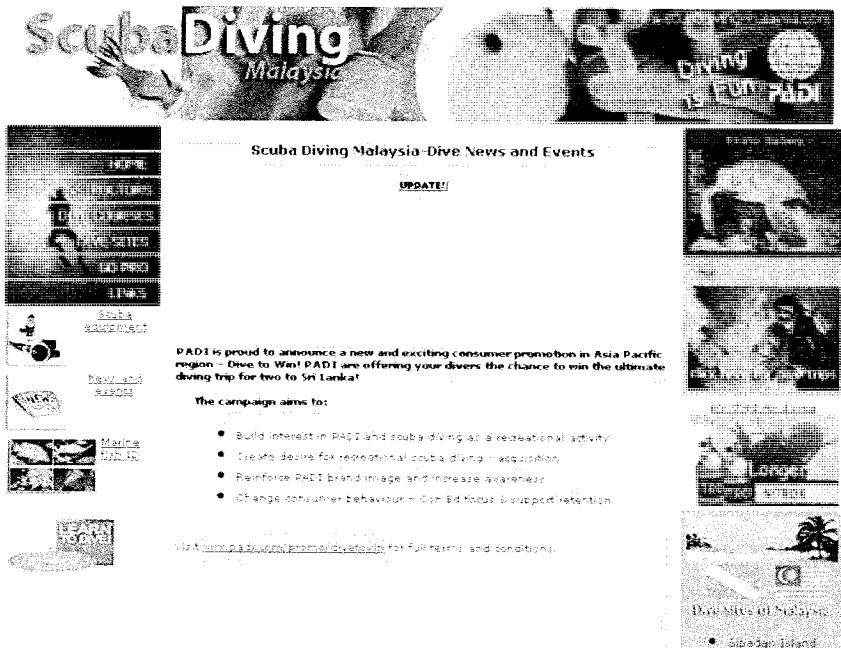


Figure 2.4: News and Events page