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JUDUL: <u>DYNAMIC WEBSITE FOR ONLINE NEWS PUBLISHER (DWONP)</u> SESI PENGAJIAN: <u>2009/2010</u>

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TIDAK TERHAD	/
Oliver	
(Ho Pak Yen)	(Ms Kasturi Kanchymalay)
Alamat tetap: 2970/1, West	KASTURI KANCHYNALAY
Road 15, 52000, Jinjang Utara,	initeran Perminikasi
Kuala Lumpur.	Fakulti Teknows Universiti Teknikal Malaysia
Tarikh: 21/6/2010	Tarikh: 21/6/2010

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DYNAMIC WEBSITE **FOR** ONLINE NEWS PUBLISHER (DWONP)

HO PAK YEN

This report is submitted in partial fulfillment of the requirements for the Bachelor of Computer Science (Software Development)

FACULTY OF INFORMATION AND COMMUNICATION **TECHNOLOGY** UNIVERISITI TEKNIKAL MALAYSIA MELAKA 2010

DECLARATION

I hereby declare that this project report entitled DYMANIC WEBSITE FOR ONLINE NEWS PUBLSIHER (DWONP)

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

STUDENT:	<u> </u>	_ Date : 21/6/2010
SUPERVISOR : _	(HO PAK YEN)	Date : 2\16 12010
	(MS KASTURI KANCHYMALAY) KASTURI KANCHYMALAY) Perisyarah Jabatan Kejuruteraan Perisian Jabatan Kejuruteraan Perisian Komunikasi Fakulti Teknologi Maklumat Dan Komunikasi Universiti Teknikal Malaysia Melaka Universiti Teknikal Malaysia Melaka	

C Universiti Teknikal Malaysia Melaka

DEDICATION

To my beloved parents, your moral support is the greater source that makes me continue my work.

To my beloved friends, your help like the star in the darkness night.

To Ms Kasturi Kanchymalay, my supervisor, your dedication and effort has stimulate my strength to complete this website.

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Firstly, I will thank Ms Kasturi Kanchymalay who give advices for me when I encountered problems. Besides, thank for my parents that giving me moral support. Lastly, I would thank my collegues for giving me technical support.

ABSTRACT

Dynamic Website for Online News Publisher or in abbreviation DWONP is made especially for the benefit of the people that who like to read news and articles. Currently there are not much of such kind of website in Malaysia. Therefore DWONP is proposed as my final year project to create a new space for people to obtain any news and articles through DWONP. It can act as an amusement tool when people is free and bored.

ABSTRAK

Dynamic Website for Online News Publisher atau dengan ringkasnya DWONP telah dibangunkan bagi orang yang suka membaca surat khabar dan karangan. Laman web yang mempunyai ciri-ciri yang sama tidak banyak muncul di Malaysia. Oleh itu, DWONP telah dicadangkan sebagai projek sarjana muda saya supaya pemuda-pemudi mempunyai satu ruang untuk membaca surat khabar and karangan melalui DWONP. DWONP boleh menjadi hiburan yang baru semasa bosan.

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LIST OF ABBREVIATIONS

DWONP Dynamic Website for Online News Publisher

URL Uniform Resource Locator

OOAM Object Oriented Analysis and Design Method

SDLC Software Development Life Cycle

DFD Data Flow Diagram

UML Unified Modeling Language

PHP Hypertext Preprocessor

HTML Hypertext Markup Language

DDL Data Definition Language

ER **Entity-Relationship**

ERD Entity Relationship Diagram

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CHAPTER 1:

INTRODUCTION

This chapter will discuss project background, problem statements, objective, scope, projectsignificance, expected output, and lastly conclusion.

1.1 Project Background

The project developed a website called dynamic website for online news publisher or in short DWONP. DWONP will be using by online article writers and readers. The existing website is Kerala Express with URL: www.keralaexpress.com. This project will improve the existing website by multi-language news display. Besides, this project will also enables article commenting. Lastly, A mathematical rating system will help in popularize articles.

1.2 Problem Statement

A few weaknesses exist in the existing website which include:

√ Tamil as main language

Those who don't understand Tamil cannot use the function of the website properly.

✓ Comment

Readers cannot leave their own opinion for the articles posted in the website.

✓ Advertisement

Countless advertisements are published in the website.

1.3 Objective

✓ To manage advertisement

Ensure latest advertisement to be display and show to the user of the website.

✓ To enable instant news feed

News display in the website always getting updated.

✓ To manage subscription

User can make subscription and cancel subscription just by "click" of a button.

✓ To provide extensive search for article

User can search article based on the keyword inserted.

✓ To enable rating given to article

User can rate the article to popularize the selected article.

1.4 Scope

This system is a website that can supply news and articles.

✓ Readers and article writers will access this website.

This website can access by readers to read the news and articles. It also become the platform for registered article writers to publish their works.

✓ Only users that registered can use this system.

All user that wan to access user function like leave comment or make subscription have to register first.

✓ Any user can use the implemented extensive search.

Users can search their wanted articles by insert the keyword of the article title.

1.5 Project Significance

DWONP possess following advantages:

✓ Users

This website is specifically design to provide a platform for online article writers to publish their works.

✓ Save time and cost

By using DWONP, user no need to buy a hard copy of newspaper. Besides, they will notify by the system through email when latest news has been uploaded.

✓ Directly showing where the problems occur

By read through the comment leave by registered user, online article writers can judge their works based on the comment given and hence improvement can be made.

✓ Introduction of multi-language advertisements

User can find all kinds of advertisements in this website which can be in any language.

1.6 Expected Output

A website that enable user to read news and make subscription for news.

Besides, it enable users to access online article writers'work easily. User can rate and leave comment for online article writers'work. Lastly user can access to multilanguage advertisements that uploaded by administrator.

1.7 Conclusion

For this chapter, project background, problems occurred in current system, objective, and scope of this project is being concentrated. In order to solve problems exist in current system, DWONP had proposed. DWONP which is internationalized can be use by people from other nation.

In next chapter, literature review and project methodology will be discussed. Comparison between current system and DWONP will be made and project methodology that chosen for this project will also be discussed. Requirements for software and hardware will be show. Lastly, project schedule and milestone will also provided inside it.

CHAPTER 2:

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter will discuss on literature review conducted and methodology used to develop the Dynamic Website for Online News Publisher (DWONP).

A literature review is an essay or is part of the introduction to an essay, research report, or thesis. It provides an overview and critical analysis of relevant published scholarly articles, research reports, books, theses etc on the topic or issue to be investigated. ¹

A literature review lets researchers the result of other related studies and therefore they need to familiar with general references, primary sources, and secondary sources in doing a literature review.

This chapter will explore the websites, which provide data needed for developing DWONP. Furthemore, hardware and software requirements will also be covered.

A project methodology is a way chosen to complete the project. It is chosen based on the project developed. Object Oriented Analysis and Design Method (OOADM), Software Development Life Cycle (SDLC), and Data Flow Diagram (DFD) are the methodologies that can use to ensure developing of DWONP to be successful.

2.2 Facts and Finding

Software is a generic term for programs that are used by computers and other products that contain logic circuitry (embedded systems). It also refer to all information in electronic form, and it can provide a distinct from hardware, which refers to media and systems on which software can exist and be used.²

A software is developed to improve the efficiency, effectiveness, and flexibility of a business process. A software should major in computerized processing and not manual processing.

The reason to develop DWONP is that the current system is using Tamil as base language. This mean that peoples that are not familiar to Tamil cannot use it due to the lack of language understanding.

Consequently, for this system, it enables the interaction between writer and reader.

2.2.1 Domain

Domain means the general field of business that client used the software. Following is DWONP domains.

Table 2.1: DWONP domains

Domain/features	Description
User	+ Admin
	The person that in charge of this
	system. An admin will post

	advertisements and upload latest news. User User is the one who will use the system to read news, publish articles, leave comments and ratings, and make subscription.
Data Management	♣ Article and News Bank Article and News Bank is a place to store all the articles and news. The latest news and the highest rank article will be selected from the bank to display.

2.2.2 Existing System

There have some systems that available online is related to online news publisher but unluckily all of them possess some disadvantages.

Kerala Express is one of the examples for the existing system. In the existing system, only tamil and english are use as the main language. It is difficult for the users who are not good in this two language to use the system.



Figure 2.1: Tamil and English as main language

Besides, articles posted in existing system are not allowed to leave comment. Therefore there are no interaction between writers and readers.



Figure 2.2: No comment can be given

Furthermore, the existing system is using paper-pased advertising which is not efficient in spread advertisement. It also require high cost for using the selected paper to do advertising.



Figure 2.3: Paper-based advertising

2.3 Project Methodology

Methodology can properly refer to the theoretical analysis of the methods appropriate to a field of study or to the body of methods and principles particular to a branch of knowledge. ³ The use of methodology helps to produce a better quality product to ensure that user's requirements are met.

Unified Modeling Language or UML was developed as a single graphical language for communicating the result of any DWONP process. It is a standard language for specifying, visualizing, constructing, and documenting the artifacts of software systems, as well as for business modeling and other non-software systems. The objective of UML is to provide a common vocabulary of object-based terms and diagramming techniques that is rich enough to model any system development project from analysis through implementation. The Rational Unified Process or RUP is a methodology created to apply UML. It is a rapid application development approach to build systems.