

Computing for Human Services

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Electrical and Computer Engineering-IIUM University

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Chapter 15

Development of Online Application for Muslim Traveler with UML Diagram

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15.1. Introduction

In this new era where truth and wrong is often mixed up too often, being a good Muslim is a challenge especially in foreign countries where a Muslim is not familiar with. If a Muslim is to travel and visit other parts of the world, problems may arise in terms of performing worship and also to eat and drink according to the Islamic sharia. several essential Islamic concepts are concerned including tawhid (unity), khilafah (trusteeship). ibadah (worship), ilm (knowledge), halal (praiseworthy), haram (blameworthy), adl (social justice), zulm (tyranny), istislah (public interest), and dhiya (waste) [1]. In order to counter and solve this issue, a Muslim Traveler model is developed. It is an online database equipped with interactive graphical user interface (GUI) application that allows Muslim all around the world to not only interact and discover halal hubs, but it is also a map guide for places to perform prayer and sharing experiences as a Muslim.

15.2. Design And Implementation

a) Structure

Muslim Traveler website is developed based on the backend structure of the Wordpress Content Management System (CMS) and customized with further PHP formatting and additional elements to ensure its functionality meets its required objectives. Wordpress has its pros and cons. Among the pros are they have an active developer community, a wide range of reference materials, and a large base of people you can turn to for help. Moreover, Wordpress has proven able to handle big internet traffics. This is because big blogs such as TechCrunch, ICanHasCheezburger.com, and The New York Times' are all powered by Wordpress [2]. The