INFORMATICS INSTITUTE OF TECHNOLOGY

UNIVERSITY OF WESTMINSTER

BSc (Hons) in Business Information Systems

6COSC006W – Final Project Report

PharmArt – An Integrated Pharmaceutical Solution Platform for Consumer's and Pharmacies.

A dissertation by

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Abstract

The need for healthcare services is increasing as the population ages, as per stated facts about 8% of the population is expected to be 65 or older by the year 2022. With the government concentrating on expanding access to private health services and the demand for private sector healthcare growing as income levels rise and tastes shift, the need for private pharmacies has risen significantly.

Individuals frequently stop at different pharmacies to acquire the relevant drugs which are prescribed only to return with a partial list of medications and the frustration of stopping at multiple locations. Based on the problem context, the project seeks to collect information on medicine availability from a variety of privately operated pharmacies and present consumers with a list of places that has stock of the goods they need. A case study has been carried out and the findings obtained through surveys and interviews performed among people who commonly purchase pharmaceutical goods, private pharmacy owners, and industry specialists were analyzed in order to suggest an effective solution for the existing problem.

The findings of the evaluation pointed to the necessity for a centralized platform that could meet all of the users' needs. As a result, the "Pharmart" was developed with a mobile application to draw the users' requirements via scanning a prescription, typing out the drugs needed, or attaching an image of the prescription, and a list of pharmacies that currently hold the requested drugs in stock was generated based on the geo location. Users will be able to interact with pharmacies and meet their needs more easily since every essential business element is integrated into one single platform. This solution also takes care about the effective stock management hassle that the pharmacies face on a regular basis and supports to improve their online customer service which the pharmacies provide through their websites.

The proposed fully fledges solution has been developed using cutting edge technology that guarantees the ease of life for all the involved parties. An evaluation of the developed solution has been taken at the end of the project to make sure the developed solution is useful.