

DESIGN AND DEVELOPMENT OF WEB-BASED PHARMACY FINDER

Jenie L. Plender (1), Donna May C. Lozada (2), Trician Faye D. Gozon (3)

College of Computing and Information Sciences, Caraga State University, Ampayon, Butuan
City, Philippines

Email: jlplender@carsu.edu.ph; donnamaylozada10@gmail.com;
tfdgozon@gmail.com

Abstract: The Web-based Pharmacy Finder is a web-based platform designed and developed to help the public whose concerns are related to medical products' availability and pharmacy location. This study addresses the problem on the difficulty of finding available medical products and the location of the medical facilities or pharmacies, considering its customers' proximity. The web-based Pharmacy Finder aids the customers that are having a hard time on finding medical products they need on the pharmacies within their locality. The system serves as a middleware to connect pharmacies to its clients and vice versa. Registered Pharmacies upload its medical products (with specific details) into the system for it to be available for the public. On the other hand, the registered users can browse for medical products or upload prescriptions that are only readable and/or understandable to medical personnel. The system consequently responds with the list of pharmacies with which the medicines are available with its respective locations. Nearest pharmacies that are located within the area are displayed as top results. The system also provides built-in map to view pharmacy location. The Web-based Pharmacy Finder was developed integrating the Agile method and software tools for web development. The usability of the system was evaluated and attested through a survey conducted.

Keywords: *Web-based Platform, Pharmacy Finder, Agile*