

**PHARMACY MANAGEMENT SYSTEM**

By

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A Project Submitted in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DHAKA INTERNATIONAL UNIVERSITY, DHAKA, BANGLADESH

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# APPROVAL

This is to certify that project report entitled "PHARMACY MANAGEMENT SYSTEM" which is submitted by Nazmul Hoque,Md Abdul Alim, Sajal Kundu, Solaiman Ahmed & Khandhakar Mihir-Uj-Jaman to the Department of Computer Science and Engineering, University of Dhaka, Dhaka, Bangladesh, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering and approved as to its style and contents.

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DECLARATION

We hereby declare that this project report entitled "PHARMACY MANAGEMENT SYSTEM USING LARAVAL FRAMEWORK" which is submitted by our (under signed) in partial fulfillment of the requirement for the award of degree B.Sc. Engineering in Computer Science and Engineering in the Department of Computer Science & Engineering, Dhaka International University, Bangladesh comprises only our original work, own effort and that no part has been plagiarized without citations and due acknowledgement has been made in the text to all other material used.

**Signature of the Supervisor Signature** ……………………………… …………

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# ABSTRACT

Pharmacy Management System revolves around Dhanmondi area. Currently, the department utilizes a manual system to manage and monitor the pharmacys. This involves manual entry upon arrival of new batches of drugs. In addition, ordering of drugs is also done manually. Thus, in this aspect, the workload of the pharmacist increases. With the proposed system, drugs will be processed easily. Any drug interactions and contradictions in the prescription will be detected by the system. Stock replenishment is invoked when the quantity-on-hand is lesser than the reorder point. Pharmacy Management System emphasized the Object-Oriented life cycle as the software methodology because classes and objects can be reusable. The object-oriented life cycle phase comprises of Requirements Modeling, Analysis Modeling, Design Modeling, Implementation Modeling, Coding, Quality Assurance & Testing and Maintenance. Unified Modeling Language is used to model the system functionality and interactions between the users. On the other hand, this system is designed on the 3-tier architecture. Microsoft Windows is chosen as the application platform integrated with Microsoft ASP.NET as the programming language. To conclude, Pharmacy Management System is developed to maintain the productivity, efficiency and patients' confidentiality at the system.

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