

Title of the Project: Online Pharmacy System

Group Number: 05

Group Members:

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Introduction

Our system is all about an online pharmacy system which works as a marketplace for medicines and drugs. As people face a lot of problems to avail proper medicines in need which became a hazardous job during the covid time and in order to reduce people's hassle we are introducing this system which includes features like web based ordering system, prescription approval, doctor's availability. Moreover, here the customer can order for special authorized medicine. Eventually, we look forward to making the process of buying medicines easier for the patients and their families during hard times.

Motivation

We want to improve the efficiency of the pharmacists by implementing an online based pharmacy system. This is a tough job as most of the times the vendors/pharmacists fail to recognize the required medicine due to bad handwriting. Here, the prescribed medicines can be easily recognized via computer generated requests which will help the patients to interact with pharmacists more freely.

We also want to improve patient health outcomes. Here, a patient has the opportunity to consult with a doctor 24/7 and get prescribed medicines. A patient also has the opportunity to get his prescription verified by a doctor if they consult a doctor in person.

We want to prevent medicine fraud. A lot of customers often get scammed by fraud pharmacists who give them fake medicines. Here, all the medicines are authentic and verified by a licensed doctor so that the patients don't fall in risk.

System Request

Project Sponsor	Mr. Karim Ahmed, General Manager, Jamuna Group LTD
Business Need	<ul style="list-style-type: none">• Pharmaceutical drug adulteration is a major problem in Bangladesh nowadays. Online pharmacy system will be helpful to monitor and solve this problem.• Some people use medicine as narcotics and they buy those from offline shops. As this system only sells medicine to the people who have a verified prescription, taking medicine as drugs can be reduced.• Offline shops need storage to keep medicines. So, the price of

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	<p>the medicine increases by this process. As our system does not need the storage of the shops, our system can reduce medicines' price.</p> <ul style="list-style-type: none"> • There are lots of medicines which are not available even in Dhaka city, also in remote areas people can get all the medicine. So, by using this system there is a huge probability to increase sales by fulfilling their needs. • In case of an emergency, people will get a doctor and the medicine delivery service together, which is actually helpful for those people and it will increase the system value.
Business Requirement	<p>Doctor's POV:</p> <ul style="list-style-type: none"> • Always available for providing consultancy. • Thoroughly checks the prescription before the order is placed so that unauthorized or irrelevant orders can be removed. <p>Customer's POV:</p> <ul style="list-style-type: none"> • Online medicine marketplace for which they can order at any time. • Provides the opportunity to request for any special authorized medicine. • Can get a special discount on certain medicines. • Customers can request for the urgent delivery. <p>Retailer's POV:</p> <ul style="list-style-type: none"> • Real time information about the stock of medicines. • Can get a report on the sales over a period of time. <p>Admin's POV:</p> <ul style="list-style-type: none"> • Can have overall system's access and also the access of all kinds of users information. • Can control all the activities and have power to terminate any kind of order, account. • Can keep a track of all the users and get a summary on that over a time period.
Business Value	<ul style="list-style-type: none"> • Reduce the cost of stock managing employees by 300,000 in a fiscal year. • 25% more revenue in a pandemic situation. • 5-10% less cost delivering in rural areas. • Prioritization of customer satisfaction.

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	<ul style="list-style-type: none">• Referral from doctors around the country.
Special Issues / Constraint	<ul style="list-style-type: none">• There can be an issue of Govt. approval regarding the authorization of medicine.• Costing/Investment issues may occur.• Technical issues during huge traffic on the server may occur.