PROJECT PLAN

CS -01 D-ENIGMA

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1 INTRODUCTION

1.1 Overview

The purpose of this document is to tentatively define what would be done in each phase of our project development and also the tentative time schedule for each of the processes. It will act as a guideline to the team which can be followed through the various phases of software development.

1.2 Project Deliverables

The deliverables will be:

- Feasibility Analysis
- Project Proposal
- Project Plan
- System Requirements and Specifications
- Software Development Life Cycle
- System Test Plan
- Low and High Level Design
- Software Configuration Management Plan
- Software Quality Assurance Plan
- Risk Management and Mitigation Plan
- Test Report
- User Manual
- Deployment Plan
- Design Documents
- Test Reports

1.3 Stakeholders

- Team Members
- Client
- Doctors
- Pharmacist
- Hospitals
- Patients(Normal Pubic)

1.4 Assumptions, Constraints and Risks

Assumptions :

We Believe we may not be able to deliver the final product because of less time.

Constraints

We are very far from our client so daily communications are not possible and the platform we intend to use is still in the developing phase.

Risks :

A major risk here is that the system may be incomplete or contain error because this is a multi-vendor platform where concurrency issues can arise.

2 GOALS AND SCOPE

2.1 Goal

Our project aims at making an "Amazon" like e-commerce platform of Pharmacy for our client. The website will contain a user end, a seller end and an admin end. We do have existing solution in market (1mg etc.), however most of the system are commissioned based and require approval process from third party (platform provider). This is tedious task as customer are not directly connected with pharmacy. Additionally, this is commissioned based and that is why most of the pharmacy are still not connected with online service provider or they have their local solution. So, we will provide a solution where there is no third party commission, customer will be directly able to interact with the pharmacy.

2.2 Scope

The goal of this project is to help the pharmacist to expand their business because we are providing a platform where the pharmacist would be in direct contact with customers and would not have to be give commissions.
This would also help aged people and others who are not able to go to the pharmacy to buy medicines and other stuff.

3 ORGANIZATION

3.1 Task Division

The roles and responsibilities have been divided among the team members taking into consideration each team member's skills, interest and capabilities to ensure a smooth and successful project completion. The project requires several new tools, technologies and programming languages to be learnt. The following is an elaborate distribution of work among the team members :

Project Roles and Responsibilities:

Name	Role	Responsibility
1	6	87837
2	7	78
3	545	778
4	545	18744
5	88	788

3.2 Schedule and Milestones

Serial no.	Milestones	D
1.	Finalize Project Idea	P
2.	Feasibility Analysis, Report and Project Proposal	Feasibility Rep
3.	Plan the work to be done in the different phases of software development	F
4	Requirements collection through online surveys, interviews and discussions	SR
5	Tentative User Manual	U
6	Designing of the system	
7	Coding of modules and unit testing	Unit
8	Integrate individual modules	
9	Testing and finalizing	Syst

4 COST ESTIMATIONS

In software engineering, one of the most important factor is cost estimation. The cost is measured in Person hours. Cost of the project is due to the documentation and software to be delivered at the end of the project. As every software used is open source, so cost of these platforms are not taken into account.

We are using basic *Constructive Cost Model (COCOMO)* for Cost Estimation.

The total LOC in the project will be in the range of 1,100-1,500. By using these values in terms KLOC (Kilo Lines of Code) and as our team consists of a mix of experienced and inexperienced individuals, so it would be a *Semi-detatched* Project.

By using these values, the range of the Eort and Development Time are calculated and are as follows:

Eort = 27.37PM 37.34PM Development Time = 7.96 months 8.88 months

5 COMMUNICATION AND REPORTING

5.1 Communication with the Client

The team will be in constant communication with the client (Mr Pankaj from the HCL company) in order to know his requirements and inputs under each increment. If there are any changes in the requirements, modications will be made accordingly. We would be constantly taking his reviews on the various modules we develop and change accordingly.

5.2 Communication within the Group

Type of Communication	Medium	
Project Meetings	Face to Face	Current Status Problems (if an
Sharing Project Data	Google Docs, Google Group, Github	To keep track of
Meeting with Teaching Assistants	SEN Lab	Guid

5.3 External Communication and Reporting:

External communication takes place in the form of meetings with the teaching assistant assigned to our group for guidance, assistance and to solve difficulties that we might face. We also talked to our prospective clients to know their requirements as well as build a target audience to showcase our product which might be used by them.

We took a survey of doctors, pharmacists and various patients to assess the existing problems which our product might improve upon and also to gauge their needs and issues with the existing model of assessment process in place.

Reporting is mainly done in the form of deadline submissions, weekly viva's and ensuring a finished product within the stipulated time.

6 PROJECT MONITORING AND QUALITY CONTROL

Within the group, tasks are divided among team members are in subgroups. Regular meetings will be held to keep up with the progress of each sub-group. Mistakes and suggestions are then discussed and decided upon by majority and referencing the reading materials of the course.

To maintain the quality control, we try to review every requirement and deliverables of the project and see if it lives upto the standard we require as well as what the client requires. This is also done by referencing with an industry grade software performing the same purpose(Subject to availability and existence).

During the coding phase, proper commenting with well indented code is something we always aim for so that the code can be understood by others easily and the mistakes can be rectied quickly.