

E-Laundry

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ABSTRACT

The Laundry management System (LMS) is specifically developed for resolving Laundry problems. This application is developed to manage the laundry service and provide an automated backup and recovery for security management of information in the laundry. It is a client-server system which can only be access within three (3) main users; there are database administrator, manager, and staff. Only authorized user can login into the system and view the LMS application. The database administrator will maintain the backup and recovery and user privilege to view the system. Besides that, clerk's responsibility is to manage the customers and laundry service record, also the payment record. Furthermore, the laundress is to view customers' record and their services. Then, the manager of this laundry can view and update all the record in laundry. On the other hand, this LMS application is focused more on database management of laundry service besides maintaining the backup and recovery for the records in the database. The methodology of this system is System Development Life Cycle (SDLC) which is prototyping model. An analysis study has been done based on the current manual system and all the problems statements and requirements have been identified. Moreover, LMS is two-tier architecture system which involves client tier and application server tier which includes a database. The interfaces for LMS have been designed according to the requirement and needs of the current market. This Laundry Management System (LMS) will help to improve the performance of current situation and overcome the problems that arise nowadays

I. INTRODUCTION

Today's modern life makes people need all of their work to be fast. They should be able to divide their time very efficiently. While they eat they do not have enough time to cook their own food rather they buy fast food. Moreover, people now did

not have enough time for washing clothes, the worst when they wore those dirty clothes, if not washed will accumulate and can even cause odor. Therefore, many people were happy to bring their dirty clothes to the laundry to get clean. There are many laundry businesses in different places with different pricing options. Use of information technology has long been used for marketing products, such as creating E-commerce sites to online marketing products and services through social media. Utilization of information technology use online sites and social media is quite effective in marketing as well as providing information of product and services to potential buyers. Currently the development of Internet technology led to fast working using web portals and various sites. It is undeniable that business growth is currently quite high. It will bring the laundry and prospective customers meet each other, also it is a value that customer can search for a laundry that is fast, effective and efficient, in particular by providing information where is laundry place and also price of the laundry. Laundry also easy knows that potential customers want to order laundry service. In addition prospective customers will also be more interested in knowing laundry can be reached and can provide pickup and delivery service. Technology benefited use of web portal for easy access considerably and extended the competitive advantages. Customer loyalty or repeat purchasing is critical for the survival and success of any store business. The customer support are expected to provide help and to repeat order by customer, customer will receive text after the order is ready. Is more efficient and reliable to attract more customers. Location Based Services emerges as most used services in application today. Dramatic evolution in information causes competition in the business world which is getting sharper. Result in increasing in need of marketing system that E-Laundry by using location based service can be used to bring the laundry place with potential customers. Prospective customers are permitted to find the closest

locations of laundry which will be managed by admin. Web portal is expected with a nice laundry management which will support marketing of laundry because it makes people easier to find.

OBJECTIVES

- 1 To provide the information about the Laundry Services.
- 2 To provide the best laundry service at minimal cost.
- 3 To provide the work to all those vendors who will tie up with us.
- 4 Location, best laundry services at all places.
- 5 Laundry booking.

EXISTING SYSTEM:

For E_Laundry there are some online services but more often offline services are used. For Iron and other services people use to go on shops check the status of your clothes whether they are ironed or not, if not people visit shop and the same status, this is the wastage of time. People do not get proper service, for drycleaning again the laundry person asks them to come more than once in a day. For this solution is E_laundry.

NEED FOR THE NEW SYSTEM:

This portal like E_laundry will provide full service to their customer like they can get the status of their clothes, i.e., whether they are in process, or completed, how much more time they need, how many pants, shirts and other clothes are there. Complete solution of the problem. There are different modules for different people services like Admin Module, Staff Module and the user.

The clothes will be accepted by the staff and will be added in the portal, calculation will be automatic how many pants, shirts are there and user will be given the tracking number. The Admin will check the time of allotment and the work should be done on time.

The user will have to enter the tracking number to check the status of clothes.

OBJECTIVE OF THE NEW SYSTEM:

System can manage Washing, Iron, and Drycleaning etc. easily. User can view all status easily.

- **Time Efficiency:** This will take less time to help someone, with this Application help can be provided to those in need as a database consisting of data from different users.
- **Provides Security:** With the application security the data given to the application from the user will not be disclosed.

CORE COMPONENTS:

- Staff:
 - Add Laundry
 - Tracking Number
 - Update status
- Admin:
 - Laundry List
 - Laundry Category
 - Supply List
 - Total Customers
 - Total clothes
 - Bills

FUNCTIONAL REQUIREMENTS:

- News status should be regularly uploaded to the Activity Portal
- Tracking Number will be allocated and would be secure

NON-FUNCTIONAL REQUIREMENTS:

- **Security:** Only authorized user can access the system with username and password.

- **User Friendly:** The system is very interactive.

Methodology/Planning of work

The end goal of our project is clearly defined and is not going to change so we use Waterfall methodology in our project. The waterfall method is a traditional approach to project management. In this method, tasks and phases are completed in a linear, sequential manner and each stage of the project must be completed before the next begins. The stages of Waterfall project management generally follow this sequence:

- Requirements
- Analysis
- Design
- Construction
- Testing
- Deployment and maintenance

Functionality :

Functionality performed by Admin:

□ Admin: This is the administration of a business, organization, Username: This is an identification used by a person with access to a computer, network, or online service. Password: This is a secret word or phrase that must be used to gain admission to a place. Table: A basic unit of data storage in an Oracle Database. Data is stored

in rows and columns. Microsoft Access: Microsoft Access, also known as Microsoft Office Access, is a database management system from Microsoft that combines the relational Microsoft Jet Database Engine with a graphical user interface and software-development tool.

1.4 Objective:

- Placement Drive helps students to find out placements.
- This Placement Drive application helps students to find easy placements and internships for different companies which are registered in the application.
- This application is uniting the students and companies on a platform so that the searching of jobs will be easy for students. □ And searching of employees will be easy for companies also.

In this application companies will register and login into the application and post the notice of jobs by specifying all the details like how many vacancies and requirements.

1.5 EXISTING SYSTEM:

All processes in existing system are handled manually. All the work that is done in the existing system is done by the human intervention. As all the work is done manually, there were a lot of workload on placement officer/tpo and it also increases the maximum chances of errors. This is so slow and time consuming. Due to increase in number of user's the process become more difficult. In the system. This big problem is the searching; sorting and updating of the student data and no any notification method available for giving information to student except the notice board.

II. IMPLEMENTATION DETAILS

2.1 Purpose

The Laundry Management System is designed for any Laundry firm to replace their existing manual, paper based system. The new system is in form of a computerized system to control the following; customer information, products, services, users, carts and receipt. These services are to be provided in an efficient, cost effective manner, with the goal of reducing the delay and resources currently required for such tasks as clothes details are bounded to a particular customer with a given id. Since the existing system makes use of tedious administrative tasks, lots paper work and time, in which full information cannot be gotten from busy customers

2.2 Overall Description

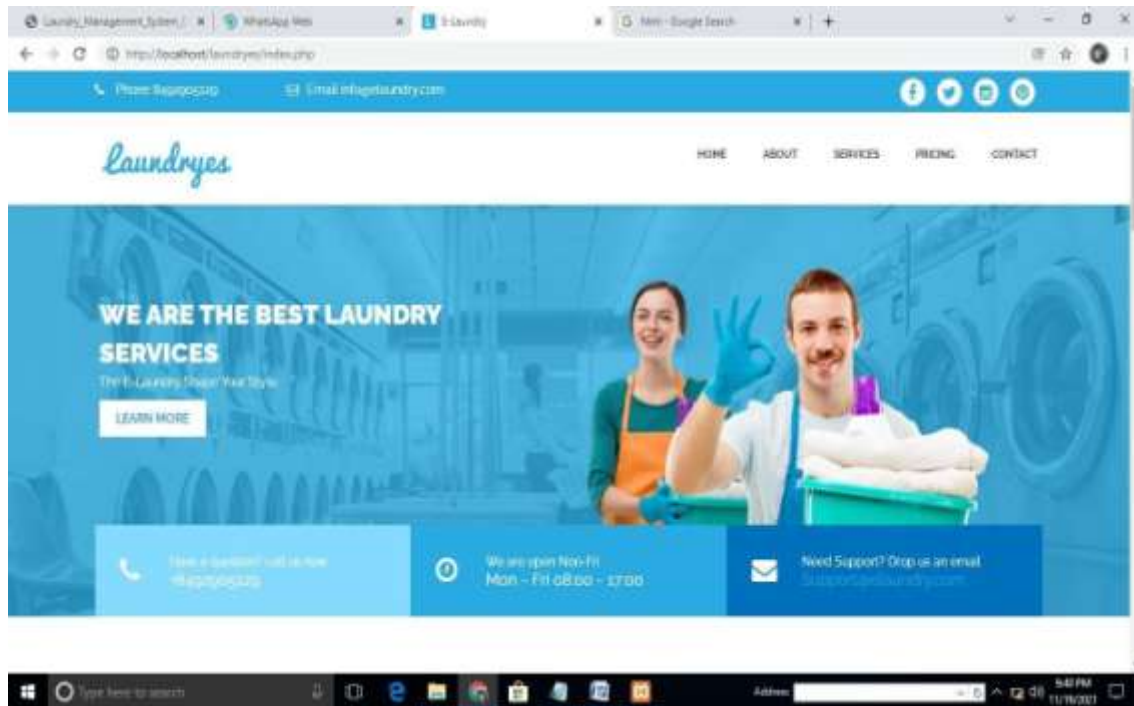
2.2.1 Application Perspective

This Application will be an Web . All users can access the Application by Access it from Google

2.2.2 Features 2.2.3

The aim of this project is to develop a system that can handle and manage the activities involved in a laundry in an efficient and reliable way. The objectives for this project are:

- i. Computerized System The proposed system will implement the computerized system which can perform a better managing process for the laundry. The data of the laundry service and the customer will kept in the save manner without the problem of losing the data. ii.
- ii. System and User Privileges System and user privileges will be implemented in the proposed system to setting up the user level for each system user. This function is to provide the limitation of system accessing. iii.
- iii. Increase time performance The time management is very important for the laundry management to ensure the service performs in better condition and on time. In addition, by using the computerized system, the business process will be more effective and faster.



III. CONCLUSION

CONCLUSION

In conclusion, Laundry Management System has to do with making appropriate effort to stop the rising problem to all manual laundry operation in order to enhance the operation of such laundry. In this project, the software or system that can be used to aid all laundries that is still operating manually have been successfully developed. The software can be implementing in all types of laundry as mentioned in the second chapter. The software has a large memory of storing all the services in the laundries and also keeping record it is highly effective and accurate

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