

Wash You

____(**Laundry** *home pick-up and delivery*)_____

Group -18

Submission Date – 10/10/2016

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1. Group Details

Name	Index Number
I.C.A.S. YAPA (Leader)	14001608
H.S.J. Subodhika	14001438
K.W.S Shanilka	14001373
I S Weerakkody	14001527
A.G.S. Sasanka	14001292

2. Client Details

Project Client: WashYYou (Home pick-up and delivery)

CEO of the company: J A P M Jayasekera

Contact details - :

Address: No 526, Peellawatta Road, Narangodapaluwa, Batuwatta.

Phone number: 0777309665

3. Introduction

3.1 Purpose

The purpose of this document is to give a detailed description of the requirements for the “Laundry home pickup and delivery service”. It will illustrate the purpose and complete declaration for the development of system.

3.2 Domain Description

WashYYou is a start-up company which currently makes an effort to go among people. The main operation of WashYYou is providing mobile laundry services to customers. To initiate and to start operations the client requires a web application in order

to facilitate their customers and provide them with an effective laundry service where users do not have to travel to get the work done also the company has the necessity to reduce usage of manpower and make the system automated. Hence an administrator will be handling the system from one side.

3.2 Objectives & Goals

- Creating a platform for WashYou to meet its customers.
- Increase the company's services by providing an attractive and user friendly environment.

3.3 Proposed system

The web application will be used by the WashYou customers to post the orders. The orders are viewed by the administration in the back office and decide to proceed with the order or reject the order. Then the response will be sent to the client by a text message. The administration will then assign the delivery vehicle and in the meantime delivery vehicle will come and pick up the package and after the completion of laundry process the package is delivered back to home.

4. Requirements

4.1 Functional Requirements

- User log in via google auth0
- Create accounts for frequent users
- Manage customer profiles
- Customers could send a request by specifying the number of pieces(subjected to categories defined by the company) to be washed. Request includes the dates they wish to give clothes to the laundry and get them back.
- Accepting or rejecting the request by the system administrator based on a criteria.(Criteria - Dates mentioned by the customer are feasible, Distance to the location of the customer should be within a reachable distance)
- Notification will be sent to customer notifying the customer if the request was accepted or not

- Notifies customer on the details of the pick-up(Details of the driver- eg:drivers identity card number, vehicle number)
- Customer could accept or request to make changes to pick-up time based on his availability
- Messaging mechanism to enable customers to communicate their issues

4.1 Non-Functional Requirements

- **Performance**

The system must be quick to respond to an action by a user. Retrieving information should be fast and users should be able to search queries fast. (Evaluated using response time)

- **Usability**

The system should be usable to all types users (with minimal training).

- **Security**

The main non-functional requirement of our system security. System must be capable of preventing SQL injections. Sensitive data must be properly encrypted. System components must be restricted and be accessed only if the user is privileged.

- **Accuracy**

System must contain accurate data and produce accurate outputs after processing data.

- **Maintainability**

System components must be easy to modify, to correct faults and to adapt when new requirements are observed.

5. Allocation of responsibilities

All members will engage in designing interfaces, database designing, security, validation and implementing the backend

Functionalities mentioned above are allocated to each member as below

I.C.A.S. YAPA

- Send request by specifying the number of pieces(subjected to categories defined by the company) to be washed. Request includes the dates they wish to give clothes to the laundry and get them back.
- Accepting or rejecting the request by the system administrator based on a criteria.(Criteria - Dates mentioned by the customer are feasible, Distance to the location of the customer should be within a reachable distance)

H.S.J. Subodhika

- Notification will be sent to customer notifying the customer if the request was accepted or not
- Notifies customer on the details of the pick-up(Details of the driver- eg:drivers identity card number, vehicle number)

K.W.S Shanilka

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I S Weerakkody

- Customer could accept or request to make changes to pick-up time based on his availability
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A.G.S. Sasanka

- Manage customer profiles