

Business Application for Sales and Services

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Abstract – The project is an application named SOLACE developed for a product based company with e-commerce as its base. Just like any other e-commerce application, the client is given an option to register his/her details so that they don't have to re-enter their details again the next time they use it. And also on choosing the product of desire, they are given three modes of payment credit card or debit card purchase or cash on delivery. The additions that have been made are the JoinUs page and AMC renewal.

Key Words: JoinUs, AMC renewal

1. INTRODUCTION

The idea for developing a mobile application was derived from the paper The Application of e - commerce communications and application Technologies in Small Businesses in New Zealand [1]. The integrated framework for SMEs was incorporated from the paper E-business Adoption and Application Portfolio Management in Remanufacturing Small and Medium Enterprises [2]. Fast creation of android business application through automatic code generation by mapping the business classes was taken from the paper JustBusiness: A Framework for Developing Android Applications using Naked Objects [3]. Efficient and reliable implementation of database was referenced from the paper Performance Analysis of Local Database Management Systems for Mobile Applications [4]. The additions made in the project are as follows in the sub headings.

1.1 JoinUs

JoinUs is one of the additions that have been made to a basic e-commerce application. This page can be used by those who wish to join the company. The applicants can submit their resume to the company in a text file format. The interested applicant would be reverted back via mail through the company as per the case maybe.

1.2 AMC renewal

AMC is nothing but Annual Maintenance Contract. Online renewal of such contracts for the products purchased is the other feature that has been added to the basic application. In this AMC renewal page the customer would be asked to enter their name, mailed and the productid along with how many years they would like to renew the contract for. Once the number of desired years has been entered, the sum

would be calculated and they would be redirected to the banking page to pay the required sum.

2. REQUIREMENTS AND ARCHITECTURE

2.1 Requirements

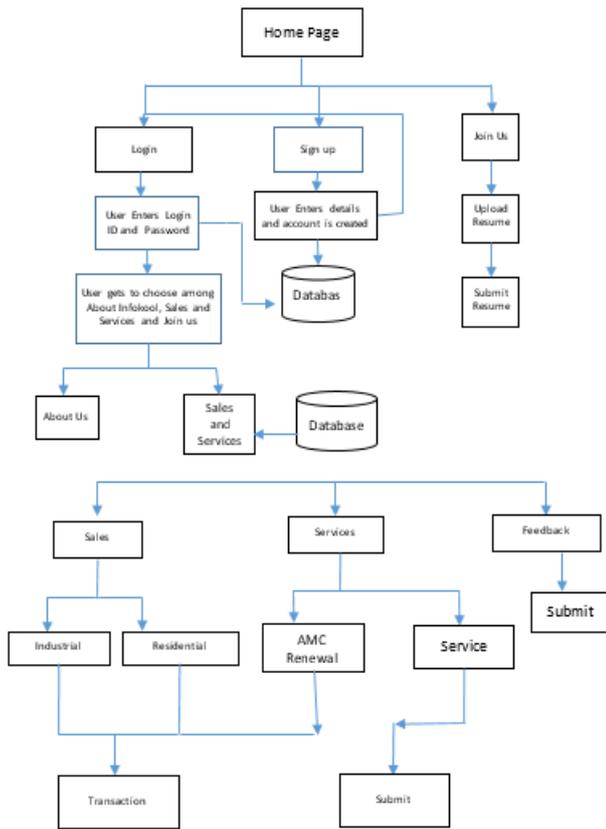
The following table contains the hardware and software requirements for developing an application using Android Studio version 2.x

Criterion	Description
OS version	Windows 7 or later Mac OS X 10.9.5 or later GNOME or KDE desktop
RAM	3 GB RAM minimum , 8 GB RAM recommended ; plus 1 GB for the Android Emulator
Disk space	500 MB disk space for Android Studio , at least 1.5 GB for Android SDK , emulator system images ,and caches
Java version	Java Development kit (JDK) 8
Screen resolution	1280 x 800 minimum screen resolution

2.2 Architecture

Home page of the application contains LogIn, SignUp, and JoinUs sections. SignUp page contains the details that are required to create an account, it includes personal details of the customer long with a username and password, which they are asked to choose. Once signed up, the customer can use the username and password that they chose the next time they LogIn. JoinUs is used by those who wish to join the company to submit their resume. Once logged in or signed up, the customer is redired to the Sales and Services , Aboutus section. AboutUs contains details about the company along with their past and future events. Sales and Services are again susdivided into their respective categories with an extra of feedback section. The project revolves around an imaginary company which has industrial and residential products, so the Sales part is divided as such. The Services part is further subdivided into two sections AMC renewal and Service. In the Service subsection, the customer can report the problem they are facing with the purchased product and can request for a service from the company. As for the AMC renewal, is nothing but an online Annual Maintenance Contract renewal for a particular product for a

number of years. The feedback page is wherein the customer can type in their feedback regarding a product purchased or service provided. On choosing a product or applying for renewal, the customer would be redirected to the banking page where they would be given different modes of payment.



3. CONCLUSIONS

This project is an application built exclusively for a product based company with e-commerce as its base. Taking the users’ needs into consideration. The add-on’s include –AMC Renewal, Feedback page and JoinUs page .AMC renewal is the online renewal of insurance for a particular product, the insurance is renewed on entering the product details. Feedback page is wherein the customer can put up their feedback regarding a product purchased or service provided. JoinUs page can be used by those who would like to join the company. They can put up their resume here and the interested applicant would be reverted back via a mail through the company as per the case maybe.

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