

BUSITEMA UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF COMPUTER ENGINEERING

FINAL YEAR PROJECT REPORT

**AUTOMATED MOBILE AND WEB-BASED APPLICATIONS FOR
VEHICLE HISTORY REPORT GENERATION**

BY

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BU / UG / 2014 / 29

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**A project report submitted to the Department of Computer Engineering as a requirement
for the partial fulfillment of an award of a Bachelor's Degree of Computer Engineering
from Busitema University.**

2018

DECLARATION

I NAMUSOKE HAWAH, BU/UG/2014/29, do hereby declare that this Project report is my original work and has never been published and/or submitted for any other degree award to any other University or institution of higher learning.

Signature 

Date 06th June - 2018



APPROVAL

This is to certify that the project entitled “**Automated mobile and web-based applications for vehicle history report generation**” has been done under supervision and is now ready for examination

Signature 

Date 05/06/2018

Mr. BWIRE FELIX

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DEDICATION

I dedicate this report to Allah, my beloved husband, my parents, my siblings, my excellent supervisor Mr. Bwire Felix, all my friends, and classmates.

Thank you all

ACKNOWLEDGEMENT

Great appreciation goes to the Almighty Allah, for giving me a gift of Life and a chance of education. I greatly appreciate my parents, husband and siblings for the support, encouragement and motivation.

I also thank Mr. Bwire Felix and the entire Department Of Computer Engineering for the technical guidance throughout the execution of this project and my entire four years that I have spent time with in Busitema University.

Lastly but not the least I appreciate my friends, group mates, classmates and all the entire Busitema body for being there for me in both good and tough times may Allah bless all of you.

LIST OF ACRONYMS

API - Application program interface

CSS - Cascading Style Sheets

ERD - Entity-Relationship Diagrams

HTML - Hyper Text Markup Language

SMS - Short Message Service

URA - Uganda Revenue Authority

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ABSTRACT

The transport industry is one of the most profitable sectors in the business world. People always spent money for being transported, and so will they in the future.

Transportation is important as it brings people together and is a good way for the entire family to bond. It moves people from one location to another and enables them view new areas for adventure.

This diverts people's minds and makes entertained thus relaxing their minds on a vacation attention from their demanding lives and amuses them in their leisure time.

Usually people use second hand vehicles for their transportation like taxis, Toyotas another brand which they purchase basically without knowing the information and details about them.

This project was therefore aimed at developing automated mobile and web based applications for vehicle history report generation to help eradicate the problem of getting details of second hand vehicles.

The work is arranged mainly in six chapters, Chapter one includes the introduction of the Project. Chapter two discusses the literature related to the system. Chapter three illustrates the methodologies used in coming up with the working prototype of the system. Chapter four includes system design and analysis. Chapter five contains the implementation and testing of the system. Chapter six contains the summary of the work, discussions and recommendations.

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CHAPTER ONE: INTRODUCTION

1.1 BACKGROUND

The second-hand market in Uganda is growing big because of the various items traded in it including clothes, computers, electrical equipment and auto mobiles. Second-hand goods have significant benefits such as preventing them from becoming waste and saves costly production of equivalent new goods. It can be conserving natural resources and protecting the environment[1]. A secondhand or used good is one that is being purchased by or otherwise transferred to a second or later end user. In other words, it can simply mean it is no longer in the same condition as it was when it was first transferred to the current end user. Secondhand items may be transferred between friends or family for free, or they can be sold at a lower price at garage sales[2].

These items are purchased without having a clear history about them and which condition they are in. This leads to people purchasing goods that could have been stolen or are in poor state thus spending a lot of funds in making constant repairs to the bought used products. Transport is a very important factor in almost every aspect of life therefore if the means of transport are improved, tourism, agriculture, communication and trade will be made easy. This calls for one to give much attention on the means of transport he is to purchase specifically the road transport means that is vehicles.

In Uganda, most of the people purchase second hand vehicles because they are cheaper and affordable. But there is a question on these vehicles since they are going to be used by human beings on the road and if a decision is not made carefully it may lead to loss of lives and property as well[3]. Every buyer before making a decision on which kind of vehicle to purchase needs to have some information about that vehicle for example the engine power of the vehicle, the number of owners the vehicle has had before, its insurance record, road record and other related information. All this information is needed by the buyer in order to make an educative decision on the vehicle to be purchased[4].

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