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Halal Product Verifier

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Abstract

The objective of the project is to be able to differentiate between the halal and haram products to eat in Islam through an application that is available to everyone for free. The application not only contains the encyclopedia information about products but it also uses an online designed database and to provide the base knowledge about the ingredients used in the product. The portability and the user interface capability of application enable a person to use his/her smartphone's camera to scan the product in his/her hands to bring out the required knowledge using the application and its features. Using the application, a user can not only obtain the knowledge about the product and its ingredients but also be suggested what particular ingredients in the product are found allergic and can provide the information about the best possible alternatives using KNN i.e. k nearest neighbor which is a technique of data mining.

Contents

Abstract	i
Acknowledgments	ii
Contents	iii
List of Figures	vi
List of Tables	vii
1 Introduction	1
1.1 Background and Overview	1
1.2 Problem Description	1
1.3 Objective	2
1.4 Scope	2
1.5 Feasibility Study	2
1.5.1 Risks Involved	2
1.5.2 Solution Application Areas	3
2 Literature Review	4
2.1 Overview	4
2.1.1 Scan Halal	5
2.1.2 Verify Halal	5
2.1.3 Halal Check E-Codes	5
2.1.4 Halal Scan	5
2.1.5 Halal Barcode Scanner	6
2.2 Comparison	6
2.3 Value Proposition	6
3 Requirement Specifications	7
3.1 Application Overview	7
3.2 Existing System	7
3.3 Proposed System	8
3.4 Requirement Specification	8
3.4.1 Functional Requirements	8
3.4.2 Non-Functional Requirements	9
3.5 Use Cases	10
3.5.1 System Use Cases	10

4	Design	19
4.1	System Architecture	19
4.2	ER Diagram	21
4.3	Data Flow Diagram	22
4.4	Sequence Diagram	23
4.4.1	Main Sequence Diagram	23
4.4.2	Login Sequence Diagram	24
4.4.3	Sign up Sequence Diagram	25
4.4.4	Scanning Halal Product Sequence Diagram	26
4.4.5	Scanning Haram Product Sequence Diagram	27
4.4.6	Product not Found Sequence Diagram	28
4.5	Activity Diagram	29
4.5.1	User Activity Diagram	29
4.5.2	Admin Activity Diagram	30
4.6	Process Model	31
5	System Implementation	32
5.1	Introduction	32
5.2	System Architecture	32
5.2.1	Mobile Application	32
5.2.2	Web Application	33
5.3	System Internal Components	33
5.3.1	Sign up	33
5.3.2	Login	33
5.3.3	Scanning	33
5.3.4	History	34
5.3.5	Alternative	34
5.3.6	Allergy	34
5.4	Tools and Technology	34
5.4.1	Android studio	34
5.4.2	SQL Server	34
5.4.3	Dreamweaver	35
5.4.4	Mobile Vision API	35
5.4.5	Open Food Fact Database	35
5.5	Processing Logic	35
5.5.1	K-Nearest Neighbor Algorithm (KNN)	35
5.5.2	Navigational Search Technique	36
5.6	Methodology	36
6	System Testing and Evaluation	38
6.1	Introduction	38
6.2	Interface Testing	39
6.2.1	Test Case of Sign-up Screen	39
6.2.2	Test Case of Sign-in Screen	40
6.2.3	Test Case for Main Page of Mobile Application	41
6.2.4	Test Case for scanning an allergic product	42
6.2.5	Test Case of Changing Password	42

6.3	Usability Testing	43
6.3.1	Usability Test Case of Sign-up Screen	43
6.3.2	Usability Test Case of Sign-in Screen	44
6.3.3	Test Case for Main Page of Mobile Application	45
6.4	Exceptional Handling Testing	46
6.4.1	Exception Handling Test Case of Sign-up Screen	46
6.4.2	Exception Handling Test Case of Sign-in Screen	47
6.4.3	Exception Handling Test Case for Main Page of Mobile Application	48
6.4.4	Exception Handling Test Case of Changing Password	48
6.5	Software Performance Testing	49
6.5.1	Test Case for Software Performance	49
6.6	Compatibility Testing	50
7	Conclusions	51
7.1	Conclusion	51
7.2	Future Enhancements	51
A	User Manual	52
A.1	Signup Screen	52
A.2	Signin Screen	53
A.3	Main Screen	54
A.4	Menu	54
A.5	Edit Profile	55
A.6	Edit Allergies	56
A.7	History	56
A.8	Admin Login	57
A.9	Admin Add Product	58
A.10	Admin View Product	58
	References	59

List of Tables

3.1	UC1- Main System Case	12
3.2	UC2- Login/Register	13
3.3	UC3- Getting Barcode	14
3.4	UC4- Decision	15
3.5	UC5- Alternatives	16
3.6	UC6- History and Log	17
3.7	UC7- Product not Found	18
6.1	Test Case of Sign-up Screen	39
6.2	Test Case of Sign-in Screen	40
6.3	Test Case for Main Page of Mobile Application	41
6.4	Test Case for scanning an allergic product	42
6.5	Test Case of Changing Password	42
6.6	Test Case of Sign-up Screen	43
6.7	Test Case of Sign-in Screen	44
6.8	Test Case Main Page of Mobile Application	45
6.9	Test Case of Sign-up Screen	46
6.10	Test Case of Sign-in Screen	47
6.11	Test Case for Main Page of Mobile Application	48
6.12	Test Case of Changing Password	48
6.13	Test Case of Software performance	49
6.14	Compatibility Testing	50