Individual service application for consumers's food safety

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Abstract

These days, men live better lives owing to economic growth. They are interested in basic desire such as clothing, food and dwelling. This study investigated food and/or eating.

Men like to take better quality food to be healthy. They can hear food problems easily by news to satisfy desire. On October 13, 2014, Dongsuh Food Company was prohibited to distribute a serial product named 'Post Almond Flake' (Statistics Korea). Dongsuh Food was found to produce finished product by mixing contaminants without inspection of colon bacillus, and Crown Confectionery was found to produce 'Organic farming wafer' and 'Organic farming choco wafer' from March 2009 to early August, 2016 cognizing rejection at inspection not to inform Ministry of Health and to sell product amounting to 3.1 billion KRW

Keywords: Individual service application, consumers's food, safety.

1. Introduction

These days, men live better lives owing to economic growth. They are interested in basic desire such as clothing, food and dwelling. This study investigated food and/or eating.

Men like to take better quality food to be healthy. They can hear food problems easily by news to satisfy desire. On October 13, 2014, Dongsuh Food Company was prohibited to distribute a serial product named 'Post Almond Flake' (Statistics Korea). Dongsuh Food was found to produce finished product by mixing contaminants without inspection of colon bacillus, and Crown Confectionery was found to produce 'Organic farming wafer' and 'Organic farming choco wafer' from March 2009 to early August, 2016 cognizing rejection at inspection not to inform Ministry of Health and to sell product amounting to 3.1 billion KRW [1]. Food businesses took immoral actions despite interest in the food. Consumer's shortage of knowledge on the food safety could increase such a problem.

2. Precedent Studies

2.1. Cases

Consumption of the food varied depending upon consumers' knowledge[2]. Two groups had different results depending upon knowledge on the food: Consumers who had high knowledge and cognition on food additives selected food with low contents of food additive and did not select instant food having high content of food additives[2]. Consumers who had high knowledge on the food took healthy food.

2.2. Personalized service

In modern days, goods and services are supplied according to characteristics of the individuals[3]. This study suggested application with personalized service of food safety.

3. Research and Development

3.1. System Design

(1) Clients put application of 'safe eating' into practice.
(2) Execute application to move to main display with camera cognizing letters.
(3) Select news icon to read food safety news.
(4) Select sharing of food additive information from the news.

(5) Information sharing method varies depending upon your taste: Select Kakao Talk friend and chatting room to get information on food ingredient and send information by pressing the button of 'send'.

(6) Select sharing according to your taste. Select face book to get information on food ingredient to upload information at your time line.

(7) Select twitter to upload information on food ingredient.

(8) Select an icon having magnifying glass shape to retrieve ingredient of the food.

(9) Find out information of food additive information database to retrieve ingredient.

(10) Print out food ingredient such as all of characteristics, harmful ingredient and good ingredient according to database information.

(11) Press photographing button when color of camera shaped window makes change from red to green.

(12) Find out food additive information of database according to letters of the camera.

(13) Press the 'share' button to get food information such as all of characteristics, harmful ingredient and good ingredient.

3.2. UI

Get UI when camera of letter cognition makes appearance.
The application gives UI as follow:

3.3. Camera of letter cognition

The camera of letter cognition has codes some of which make appearance.

4. Conclusion

Consumers are likely to get knowledge on harmful ingredient and good ingredient on the food by using the application to select safe food. Consumers food safety is likely to improve. Food businesses shall have more food information to make correction of food safety in the past and to pay attention to food safety. The government shall not worry about consumer's food safety to lessen budget.

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