A Study on the Navigator Matching Platform for Medical Tourism Services

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Abstract

Medical tourism is recognized as a high value-added industry due to its longer stay and more useful costs than general tourism, and is growing rapidly around the world, especially in Asia. In addition, medical tourism is a new form of tourism that combines medical services with tourism activities such as recreation, leisure, and cultural activities, nowadays, medical tourism is emphasizing the combination of medical and tourism. Although Korea medical system and clinic have excellent medical equipment and infrastructure, it is not consistent with policy support and legislation. That have make it difficult for consumers to choose clinics for medical tourism. Therefore, it is necessary to provide customized information to the clinics that consumers want to match each other's services. In particular, it is aimed at consumers with simple procedures and cosmetic purposes, especially at small hospitals. In this paper, we propose a customized service platform that matches users seeking clinics and also medical tourism. Also we can easy to reservation clinic for medical tour.

Keywords: medical tourism, service matching, platform, clinic, clinic DIY service

1. Introduction

Medical tourism is a form of tourism that is in the spotlight all over the world. In particular, medical tourism, which combines medical care and tourism, has greatly contributed to the development of many regions. However, medical tourism is still difficult to develop, and it is difficult to do medical tourism in small and medium-sized hospitals other than large hospitals. The navigator object is an object that stores various information on a browser including browser provider and version information. The current navigator for medical tourists has many deficiencies. Hospitals on the website are limited and lack information. For this reason, medical tourism in Korea has more medical tourists entering Korea through agencies than using apps. In this part, medical tourists can only choose hospitals contracted by the agency. In this paper, the user's location can be easily found on a map through API and GPS technology using the navigator, and medical

tourists can easily obtain information on the hospital through the navigator after star rating based on review analysis and information through domestic and foreign websites. In addition, by grasping the current status of hospital doctors and medical tourism coordinators, medical tourists can conveniently use the hospital. The composition of this paper describes related research in Section 2, explains medical tourism navigators in Section 3, and concludes in Section 4 also conclusion is Section 5.

2. Copyright forms

2.1. Medical tour service process

Medical tour service process divide before entry, after entry, after going out country. Before entering the country, select a small-scale hospital by checking which city fits well with consumers, and establish a consultation stage and medical plan for the desired small-scale hospital. After entering the country, small-scale hospitals provide interpretation and pick-up services so that consumers can receive medical treatment smoothly, and customized tours will be conducted when the treatment is completed. After leaving the country, consult the hospital online through follow-up management and establish a basis for communication between consumers and hospitals.

2.2. Cloud Computing

The types of cloud services are divided into Infrastructure as a Service (IaaS), Software as a Service (SaaS), and Platform as a Service (PaaS). It refers to a cloud service platform that serves developed applications on mobile devices in the form of PaaS. Proposals and systems for integrating medical information and establishing patient-centered medical information data in cloud computing environments continue to be developed. If necessary, only licensed information is provided in the Open Application Program Interface (API) format, and the entire administrator collects the Open APIs provided by the government and the enterprise and stores them in the Context Broker to provide services, and users use the necessary medical information in the Open API format.

3. Research Method

In Section 3, usually, medical tourists can divide decision making before arrival, after arrival, and after arrival. Before entering the country, a small-scale hospital is selected by checking which city fits the consumer well in Korea, and a counseling stage and medical plan are established for the desired small-scale hospital. After entering the country, interpretation and pick-up services will be provided to help consumers receive medical treatment smoothly at small hospitals, and customized tours will be conducted when treatment is completed. After leaving the country, the hospital is consulted online through follow-up management and the foundation for communication between consumers and hospitals is established.

The medical tourism customized service platform designed in this study provides a single platform for users who visit medical tourism and a small hospital that provides medical services, suggesting a platform for customized services to users for medical tourism. <Figure 1> lists the flow of work between medical users and small-scale hospitals for medical tourism.

Figure 1. Clinic-User Matching Platform System

That figure 1 show, medical tourists started the app from the beginning and wrote down the composition of the navigator. The user enters the user's information through the smart matching center, enters the user's preferred medical department to create an avatar and ID, and enters the user's area or medical department through the search window to check the hospital suitable for the user. Users are also sensitive to areas to know tourist attractions. Therefore, it is necessary to search for the exact location of the user. In addition, users should update the specifications that hospitals need to know in order to believe in accurate care, especially by accurately filling in allergies and medications to prepare for accidents that may occur in the bud.

Companies that provide clinic content input and fill in information about the clinic content. In particular, the size of the hospital that users want, the hospital's medical department, doctor information, nurse information, facility information, and promotion information are filled out. In clinic content, companies must always monitor and keep updating hospital information in order to manage.
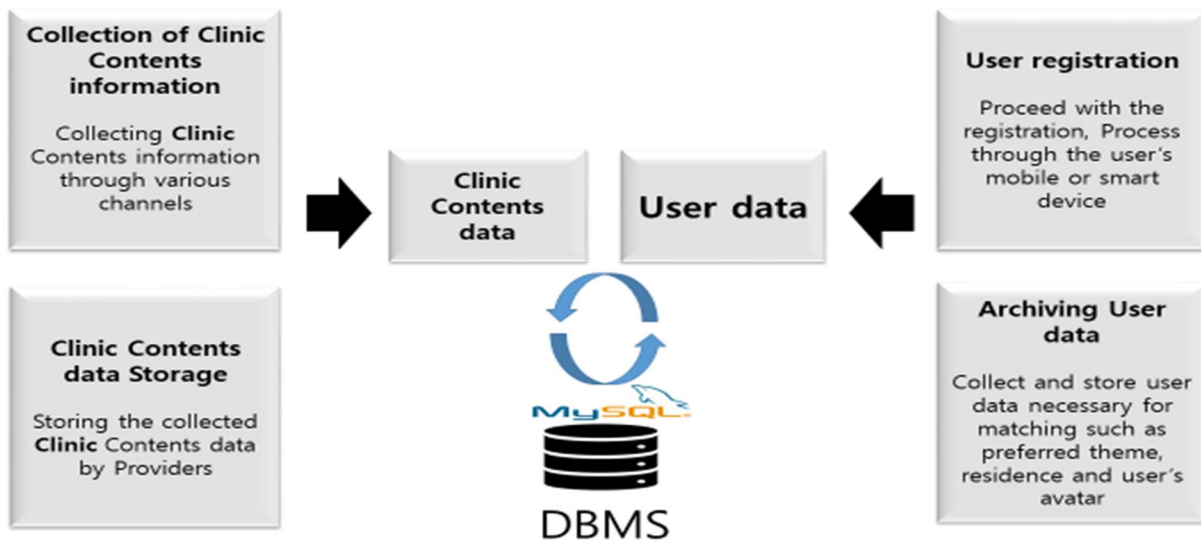

Figure 2. Clinic-User Matching Platform System process

Also Figure 2 show that Clinic Contest data and User Data are include DBMS through My SQL. Collection of Clinic Contents information is Collecting Clinic Contents information through various channels. Clinic Contents data Storage is Storing the collected Clinic Contents data by Providers. Two above including Clinic Contents data. Also User registration is Proceed with the registration, Process through the user's mobile or smart device. And Archiving User data collect and store user data necessary for matching such as preferred theme, residence and user's avatar

4. Conclusion

Medical tourism is recognized as a high value-added industry because it costs more to stay at tourist destinations than regular tourism. Medical tourism also emphasizes the combination of medical and tourism in the form of tourism, which combines medical services with tourism activities such as recreation, leisure and cultural activities.

In this study, people identified the difficulties of medical tourism in Korea and developed it as a system and also analyzing medical tourism services and provide customized services for small-scale hospitals, a guide line is provided to design and implement each interface separately into consumer and hospital tasks to identify procedures and beauty information in a single platform. As such, the medical tourism platform suggests that consumers can find customized hospitals that suit them and develop platforms that can easily obtain hospital information. *In this paper, we propose a customized service platform that matches users seeking clinics and also medical tourism. Also we can easy to reservation clinic for medical tour.*

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