**Project Proposal**

2023.09.26

|  |  |
| --- | --- |
| **Title** | Vietnamese restaurant recommendation service |
| **Member** | Bae Hyeri, Jeong Haseong |
| **Background**  **of service** | **Variability of restaurant information** Vietnam consists of various regions and cities, and each region has its own unique food culture and restaurants. However, this information is scattered from various sources such as the Internet, travel guidebooks, and recommendations from acquaintances, making it difficult for users to decide where and what food to eat. As a result, travelers are having to invest time to obtain information on local restaurants. **Universal recommendation service** Most of them are general travel destination recommendation services that do not take into account the food style, restaurant interior, dietary restrictions and tastes that users pursue. Therefore, users obtain information about restaurants that are not suitable for them. |
| **Main features** | **1. Restaurant recommendations** It provides a list of the most suitable restaurants for users.  1.1 Classification classification according to characteristics  - Review Data Crawling: Collect destination review data from various  sources  - Feature value extraction: Analyze the collected review data to extract and  classify the feature values for each restaurant. 1-2. Identify the user's taste in food  - Analysis of answers to each question: Provide users with related  questions such as food type, restaurant atmosphere, location, and price,  and process  the user's answers in natural language to identify their preferred features. 1-3. Restaurant recommendations  - Recommendation Algorithm: Select an appropriate recommendation  algorithm to recommend the best restaurant for the user. |
| **Expectation effectiveness** | **Integration of various restaurant information**  - Travelers can easily find information on various restaurants across  Vietnam in one place.  - It will help you make travel plans by efficiently searching and comparing  information on unique foods and restaurants in each region.  **Recommended restaurants** - By identifying users' tastes and requirements and recommending  customized restaurants, restaurant recommendations that take into  account dietary restrictions, allergies, and religious beliefs improve  travelers' dining experience and increase convenience.  - By classifying and recommending travel destinations according to various  characteristics, users can find travel destinations that suit their interests or  needs.  **Local Food and Welfare Support** - Through our service, we create an opportunity to make local restaurants  known and introduced to more tourists, preserving local food to support  the sustainable tourism industry. |