HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

GRADUATION THESIS

Design and develop website for travel social network

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ABSTRACT

After the COVID epidemic was overcome worldwide, people's demand for travel increased much. This leads to the need for more information channels for people to share travel experiences or search for information related to the places they want to visit. Currently, there are many channels of tourism information, but they have not been specialized into a website that only shares and tracks tourism information. Nowadays most people can access the internet very easily. Therefore, I have researched and developed a travel social networking website that allows people to easily search for details about the hotel or tourist destination they need or follow other users with the same passion for traveling.

This social networking website will be designed according to the client-server model. In which the server side will use java spring boot and design according to microservice architecture to easily maintain and scale the application when the number of users increases. Docker will be used as the environment for development and deployment. More specifically, docker will be used to build an environment including a database, Kafka, Redis, and GUI tool to interact with DB, ... The client-side will use the ReactJS library developed by Facebook. The client-side will also be designed so that we can easily maintain or add a new feature.

Finally, we will get a system of social networking websites that are highly extensible, easy to change, and high performance. The website serves users in finding the right place for vacations, outings with friends, or storing memories and spreading joy and positive energy to everyone.

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Abriviation	Full Expression
API	Application Programming Interface
CRUD	Create, read, update, delete
DTO	Data Transfer Object
ERD	Entity Relationship Diagram
GUI	Graphical User Interface
ON	Order number
UI	User Interface