THE UNIVERSITY OF DANANG
DANANG UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF INFORMATION TECHNOLOGY

GRADUATION PROJECT THESIS

MAJOR: ....
SPECIALTY: ....

PROJECT TITLE:

OCOPEE - ONLINE EXPO CENTER

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Da Nang, .../201...

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1 Introduction

"Now there are many directions of development. Most are plans, strategies or are in the process of being tested. But there is one thing I have said over and over again: There are only two sectors that are the future of the Vietnamese economy: the Information Technology sector and the Agriculture sector." - PhD. Alan Phan

1.1 Problem

Start-up innovation in agriculture and handicrafts approach a new customer hardly. One of the most highly effective channels is Expo Center. However, if some environmental reasons prevent an expo from being held, maybe there is no alternative.

1.2 Orientation

OCOPEE was extended from a classic e-commerce platform to bring a user experience from a usual expo to an online expo. Although it is difficult, it is also an opportunity to help the traditional form of fairs no longer be limited geographically.

2 Analysic

2.1 Resources of the system

There are some resources that are necessary to create value for the customer.

- Real-time, live-stream system.

- Interaction as a social network.

- Customer data.

2.2 Goals

The most important activities in executing a system's value proposition.

- Community standards, agency policy.

- User behavior tracking.

- Customer care.

- Display shop, product,...

- Events, viewer behavior, comments, reactions,...

2.3 Features

The featues, screens, functions need implement.

- Affiliate marketing for this system can generate a link. The help system can keep track of which customers are invited by the agent.

- Register to participate in expo.

- E-commerce function.

- Live-stream for business.

- Current views counting for shop, product.

- Reactions, Comments.

- Send quick question in current expo.

3 Technology

3.1 Server Architecture

Stateful Authentication, Miro-service, Gateway, GraphQL API.
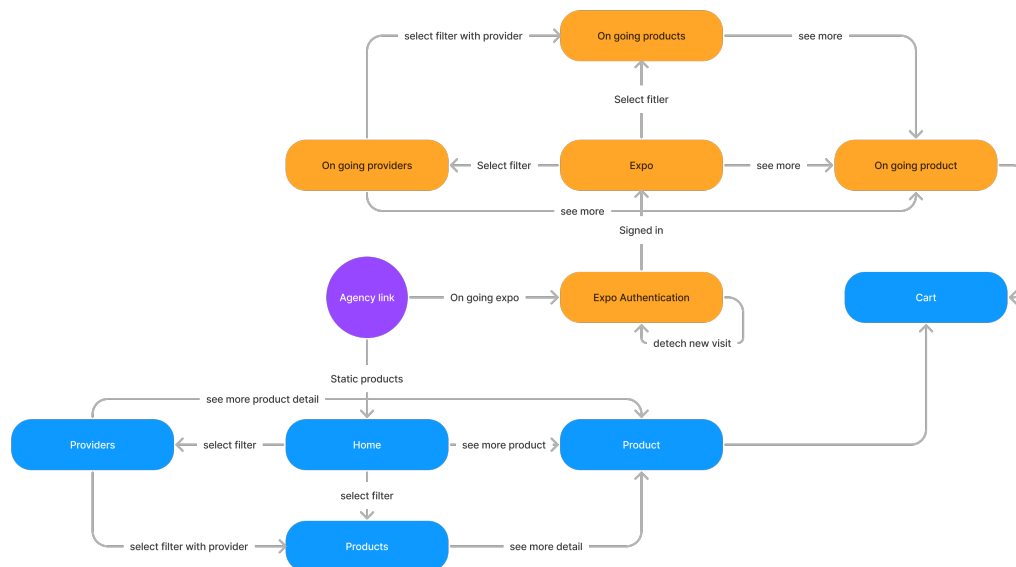
3.2 Client Architecture

Micro-frontend, one single page, server side render.

3.3 DevOps

Reverse Proxy, Load balance, Cache, Process Manager, CI/CD.

Figure 1: State diagram

As you can see in the figure 1, the function grows near 0. Also, in the page 2 is the same example.2

References

[Gre93] George D. Greenwade. The Comprehensive Tex Archive Network (CTAN). *TUGBoat*, 14(3):342–351, 1993.