SOCIALIST REPUBLIC OF VIETNAM

Independence - Freedom – Happiness

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ADVISOR'S EVALUATION SHEET

Student Name: Pham Viet Anh   **Student ID:** 19110151

Student Name: Tran Dang Khoa   **Student ID:** 19110145

Student Name: Nguyen Le Minh Nhut   **Student ID:** 19110100

Major: Software Engineering.

Project title: Build an agricultural product trading system.

Advisor: Dr. Nguyen Thien Bao

EVALUATION

1. Content of the project:

a.   Theory: Angular, React JS, React Native, Spring Boot, MySQL, Tensorflow.

b.   Experiments:

- Research renowned websites about agricultural products to decide what features and functions to include in our projects. To determine the project's requirements, identify key points and significant business - build a system to trade agricultural products, meaning a system of buying and selling agricultural products between merchants and farmers.

- Discover Angular, SpringBoot, React JS and React Native. Effectively using additional libraries, apply it to the project.

- Build Back-end (with SpringBoot) and front-end (React Native, Reactt JS and Angular). Connect them together libraries to build up the construction of an online can interact between a website and a mobile device with both basic and advanced features.

- Use Tensorflow to detect fruit with high-resolution image.

c. Links: https://github.com/nohoopes/KLTN_K19_CLA_Farmhome

2. Strengths:

- The system incorporates seamless file uploading, internet-based hosting, an agricultural detection model, and thorough error testing.

- The interface is improved based on instructor feedback for wider user suitability. Statistical indicators are carefully sourced and consulted with experts. Optimizing simple functions maximizes efficiency and effectiveness.

- Contains the basic functions used for trading argicultural products in the "Merchant" and "Farmer" side.

- There will be some functions that used to support for the trading.

- Collecting data to show the price to the users so thay can know about the price in the market right now.

- Notifications will be sent to the user's phone to make sure they will notice when there is an event to their orders.

- Fruit detection helps users identify different types of fruits, facilitating the easy recording of information through images using a pre-trained model.

3. Weaknesses:

- The current system lacks some features such as message, language switching, notification in website, not support for IOS right now in mobile, social media login, etc…

- The application's lack of optimization can lead to slower access speed, potential errors, and misclassification of new agricultural products by the machine learning model used for classification.

- In real-world scenarios, there may be instances where certain features are missing or insufficient, which can present challenges for users.

- Limited advanced permission management features may compromise system security and control by hindering effective user role and access level management.

- The absence of a dedicated reference price management feature for farmers complicates the process of setting competitive prices based on reliable market references.

4. Approval for oral defense? (Approved or denied)

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5. Overall evaluation: (Excellent, Good, Fair, Poor)

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6. Mark: ………. (in words: ....)

<div align="right">Ho Chi Minh City, July 2023</div>

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ADVISOR

(Sign with full name)

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