

**SCHOOL OF COMPUTING**

**COLLEGE OF ARTS AND SCIENCES**

**GROUP PROJECT**

**STIW2024 SOFTWARE ENGINEERING**

**FIRST SEMESTER 2017/2018 SESSION (A171)**

**PROPOSAL**

**TOPIC:**

E-Hydroponics System

**GROUP MEMBERS:**

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**LECTURER**: Prof. Madya Dr. Fauziah Bt Baharom

**GROUP**: A

**1.0 Background**

For our project we would like to build one web system based on the domain agriculture. Agriculture has a wide scope and we decided to choose on hydroponic. Hydroponic is a way of growing a plant without using soil. Hydroponic method allows the plant to get a complete nutrient without using soil. Our project is more focused on e-commerce website. We choose to sell products and also services on hydroponic farming.

**2.0 Problem Statement**

1. The website we refer lack of products and services.
2. The services are not fully covered around Malaysia.
3. Lack of e-commerce website that provide farming products in Malaysia.
4. Malaysia is not well known about hydroponic farming.

**3.0 Objective**

1. To make this system become more efficient and convenient to customers.
2. To support hydroponic agriculture system in Malaysia.
3. To introduce hydroponic system in Malaysia.

**4.0 Functional Requirements**

1. **Make Register.**

* Customer shall register as member by inserting his or her personal information in registration form in order to accessing into the system.

1. **Login System.**

* Customer/Admin shall insert username or email and password in order to login into the system.

1. **View Catalogue.**

* Customer can view hydroponics products under each respective category.

1. **Make Order.**

* Customer shall add products in my shopping cart list then confirm again his or her orders to admin so that delivery process start.
* The payment mode is Cash on Delivery (COD).

1. **Manage Item.**

* Admin shall add new product entry with its full description such as product’s id, name, category, price, description and picture into the system.
* Admin can delete any product from the system.
* Admin can update product's information with latest information in the system.

1. **Manage Customer & Orders.**

* Admin can manage all the customer and seller in the system.

**5.0 Non-Functional Requirements**

1. **Security.**

* The system shall connect to secured server so that customer’s personal information is not leaked and outsiders cannot access on that.

1. **Performance.**

* The system shall prompt customers with the several steps that should to follow during accessing the system.

1. **Reliability.**

* The system should be not crash when customers are accessing the system at same time.

1. **Accessibility.**

* The system shall make sure that products in catalogue have enough stocks so that customers can purchase without worries.

**6.0 References**

1. <http://malaysiahydroponics.com/>
2. <https://www.hydrofarm.com/>
3. <http://generalhydroponics.com/>