CITS5551 Weed Detection

Group1:

**EXECUTIVE SUMMARY**

**INTRODUCTION**

**ABBREVIATIONS**

|  |  |
| --- | --- |
| Abbreviation | Full name |
|  |  |
|  |  |

**REQUIREMENTS**

The following requirements have been divided into functional and non-functional categories, with further classification based on the user roles identified for the system. These requirements have then been expanded into use cases to provide further detail.

**Functional Requirements**

**1. User Roles**

**•** **Farmer**: an individual website user as farm owner, selecting an area for detection.

**•****Administrator**：a member of system staff who is responsible for manage the requirements of farmers

**Non-Functional Requirements**

**1. Risks**

**2.Quality**

**3. Scalability**

**4. Portability**

**5. Usability**

**6. Modification**

**7. Security**

# System Design

**a. Functional modelling**

**b. Object modelling**

**c. Dynamic modelling part a**

UML sequence diagram

**d. Design constraints**

requirement constraint, technical constraint, performance constraint, business constraint and security constraint.

**e. Subsystem decomposition**

**f. Dynamic modelling part b**

statechart diagram

**g. Design patterns**

**h. System design rationale**

**REFERENCES**