ITSS Software Development Report

**Group** [**SoftwareDevelopment.ITSS.20191-04**](https://bitbucket.org/Thanh98hy/softwaredevelopment.itss.20191-04/)

**Overview**: The system was built with the goal of understanding the cycle of software development, in which the focus of the deployment process, standard software development with steps:

- Requirement analysis

- Software Class Analysis

- Software Class Design

- Programming and build application

- Unit Test

**1. Use case diagram**

1.1 General use case

A picture containing text, map

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Figure 1: General use case

1.2 Use case for “Manage Import Site Information”

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Figure 2: Manage import site use case diagram

**2. ER Diagram**

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Figure 3: ER Diagram

**3. Package Diagram**

A close up of a piece of paper

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Figure 4: Package Diagram

**4. Screen Transition**

**A close up of a map

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Figure 4: Screen Transition

**5. Design Class Diagram**

A close up of a map

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Figure 3: Design Class Diagram

**6. Glossary**

- Supplier: The site that provides products

- Merchandise: Is product

- Order employee: The person that orders products provided by supplier

- Sale employee: The person that manages orders of company

- Supplier Order: the order send for supplier

- Supplier Order Line: the order information in supplier order that include data of merchandise code, quantity, delivery date.

- Import Site Employee: The employee of the site considered as a supplier.

- Field: The input area.

- Form: The screen that contains many fields.

# 7. Supplementary specification

## 7.1 Functionality

1. Multiple users must be able to perform their work concurrently.
2. Supplier can register in the system and update information in real time.
3. Order Employee can observe the availiable provided merchandises.

## 7.2 Performance

1. The system shall support up to 400 simultaneous users against the central database at any given time, and up to 100 simultaneous users against the local servers at any one time.
2. The system provides access to the database with no more than a 5 second latency.
3. The system can complete 75% of all transactions within 3 minutes.

## 7.3 Reliability

The system must be available 24 hours a day 7 days a week, with no more than 20% down time.