# Title: Implementation Plan for System C.H.A.T Sub-Title: “Implementation Plan PA1435 Object Oriented Design” Date: 2018-04-08

|  |  |  |  |
| --- | --- | --- | --- |
| **Author Name** | **Social Security Number** | **Thinking (%)** | **Writing (%)** |
| Alexander Dahlin | 9708084638 |  |  |
| Christoffer Andersson | 9702217630 |  |  |
| Herman Hansson Söderlund | 9710109472 |  |  |
| Tim Mellander | 9107191398 |  |  |

# System Description

The system is a created to get an overview of different warehouses. A user could for example be a worker at the warehouse that needs to easily get an overview of the current state (were trucks are, current inventory etc.) The main goal is for workers to easily locate where certain goods are stored, and to direct a truck to either fetch or deliver it to a desired location.

Managers of the warehouse, e.g. administrators, can use the system to add new warehouses. Users and administrators (administrators are users with extra privileges) also have the ability to communicate with each other by sending text messages.

## Detailed Use Cases

**Name:** Display Warehouse

**Actors:** User, Administrator

**Preconditions:** Existing ware house

**Description:** A user/admin can display a map of the currently selected warehouse. The map shows the warehouse’s isles, goods and trucks.

**Main course of events:**

|  |  |
| --- | --- |
| Actor | System |
| 1. User/Admin selects the ware house they wish to watch |  |
|  | 1. System loads map and the information of the ware house. |

**Alternative flow of events:**

--

**Name:** Add Goods

**Actors:** User, Administrator

**Preconditions:** List of goods

**Description:** A user can add goods to the warehouse. This is done by opening a window and selecting goods to be added from a list.

**Main Course of events:**

|  |  |
| --- | --- |
| Actor | System |
| 1.User/admin selects what item they wish to add |  |
|  | 2.System adds the item to the inventory of the ware house |

**Alternative flow of events:**

1.The item cannot be found in the list of items.

2.The inventory is full. Contact the developers if they wish to add none existing item to the list