

Requirements and Analysis Document for Yellow

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Version 1

1. Introduction

1.1 Purpose of application

The aim of this project is to create an inventory application where different groups of people can lend out and keep track of the items in their common inventory. The application will allow the user to know to who and when the item was lent.

1.2 General characteristics of application

To Do

1.3 Scope of application

The application will not support rentals made by private individuals. The rental procedure can only be done by people associated with the group that owns the specific inventory. The renter therefor does not need to create an account and the entire lease is handled by the members of the group. However, this could be a development area for the application. By allowing users to complete their booking themselves, they reduce the workload for the group. But at the present time, the group gets an good opportunity to keep track of their inventory without incorrect and unwanted rentals made by renters.

1.4 Objectives and success criteria of the project

1. It should be possible to add items to an inventory.
2. The added items should be able to be categorized into multiple categories.
3. It should be possible to search for different items in the inventory.
4. Users should be able to join different groups by entering a code that is generated when a user creates a group.
5. If items are lent out, the current amount of that specific item should be displayed. This to be able to see what is in stock and what is not.
6. There should be a calendar where all the lent items should be marked as “booked” or “rented”.

7. It should be possible to edit specified information in the application.
8. It should be possible to create orders where all the items that the renter wants to borrow are gathered and updated as “booked” or “rented”.

1.2 Definitions, acronyms, and abbreviations Create word list to avoid confusion.

- **Committee** - A group of people.
- **Section** - Referring to a student section
- **App** - Referring to an application usable on android phones.
- **Item** - Specific object/objects
- **Inventory** - A collection of items.
- **Renter** - The person who lend items from the group who owns the inventory to which the object belongs.

2. Requirements

2.1 User Stories

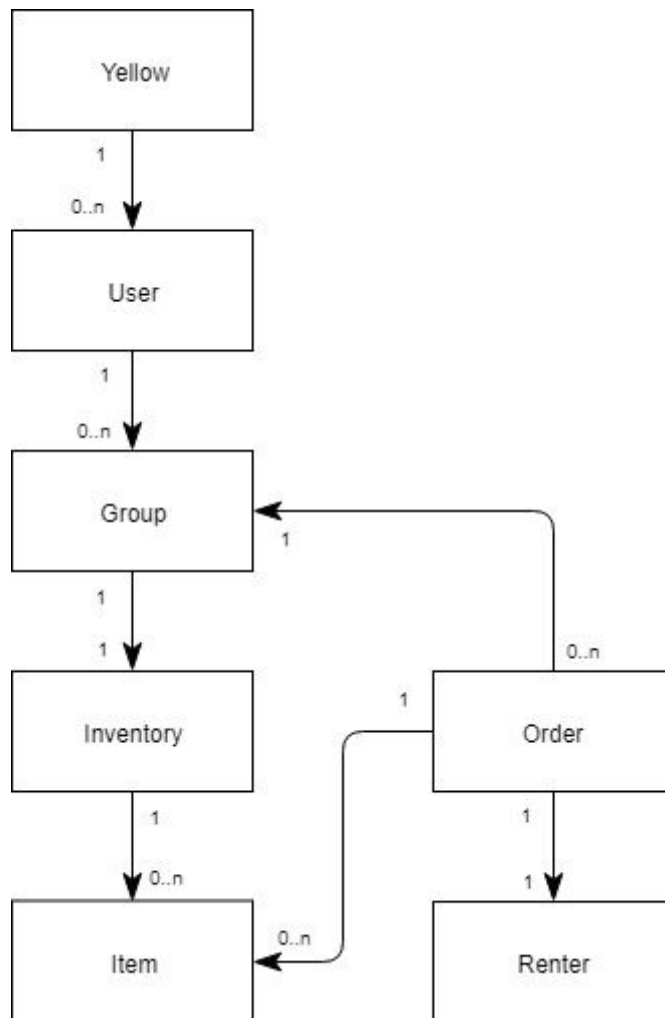
1. As a person in the section i want to see what we have in stock so it's easy to know what is available or not.
 - Achieved when every group is linked to a functioning inventory that the users can access.
2. As a section member I want to lend out our things to other people because we don't always need to have them.
 - This point is considered to be complete when the functioning inventory has items linked to a calendar and the items state can be set to “rented” for a period of time.
3. As a section I want to reserve our things for ourselves, so that others can see when they aren't available.
 - Same as above. This point is considered to be complete when the functioning inventory has items linked to a calendar and the items state can be set to “rented” for a period of time.
4. As a section member I want to change things if I do something wrong.

- This point is considered to be achieved when both the account of the users and the items in the inventory has a setting button where you can change what was entered.
5. As a section member I want to be able to have settings for my user account if I need to change some personal info.
- This is achieved when the account of the users has a setting button implemented where you can change your personal information.
6. As a section member I want to see full orders if someone wants to rent several things.
- This point is completed when every section has a list available of all the orders that has been done to the inventory.
7. As a section member I want to be able to see in a calendar when an item is available so the overview will be easier.
- This point is done when every item of the inventory has a calendar available for the user where the availability of the item is displayed.
8. As a Section member I want to know if items are rented so that we know if we can lend them or not.
- Same as above. This point is done when every item of the inventory has a calendar available for the user where the availability of the item is displayed.

2.2 User interface

Sketches, drawings and explanations of the application user interface (possible navigation).

3. Domain model



3.1 Class responsibilities

Explanation of responsibilities of classes in diagram.

4. References