<JagTrack >

Version 1.1

Revision History

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# Introduction

This is a Business Rules document of the JagTrack Project. It includes the facts relating terms to each other, the constraints and the derivation in the Project.

## Purpose

To give better constraints for coding, and to make the end product safer and more stable.

## Scope

The rules may change if any item while coding changes, and this gives some constraints while coding.

## References

No references.

## Overview

The document contains the definitions we’ll cover in the project, the rules we need to use, the constraints while coding and the relationships between the items.

# Definitions

JagCard: the card to identify whether the person is a student of the campus

JagNumber : a number for every student that identifies them (every student has one)

JagTrack: the school bus goes around the campus

Restricted article: pets, lit cigarette ,sharp tools etc.

## JagCard

Only a student with their JagCard can log into the JagTrack System for tracking (i.e. if a student cannot provide his/her JagCard, then he/she should provide some information like his/her name and StuNumer to prove he/she is a student on campus).

## Restricted Articles

No restricted article is allowed on the JagTrack.

## Actors

Concerning the people who can log into the JagTrack System, we can divide them into two groups, user and controller.

### User

The student on the campus can get into the system by sweeping their JagCard. Uses the application to check the times of the JagTran.

### Controller

This user is like an administrator with the following tasks:

* The JagTran should not run at a high speed when campus is crowded.
* The JagTran cannot start until there’s at least 5 people on it when fastigium.
* The JagTran should optimize its load balancing capabilities

## System

### Update

The system should update the information once every few minutes (“the information” includes: the next bus arrival time, the current stop name of the route, the name for next stop of the route, the bus’ current location, etc.).

### Change of route

If the route has changed, there should be an announcement on the first page of the system or a notifications.