<JagTrack >
Business Rules

Version 1.1

Revision History

Date	Version	Description	Author
12/Mar/2012	1.0	The business rules of the JagTrack System	Leyue Wang
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Table of Contents

Business Rules

1. 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.

1.1 Purpose

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

1.2 Scope

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

1.3 References

No references.

1.4 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.

2. 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.

2.1 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).

2.2 Restricted Articles

No restricted article is allowed on the JagTrack.

2.3 Actors

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

2.3.1 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.

2.3.2 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

2.4 System

2.4.1 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.).

2.4.2   Change of route

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