
JagTrack Vision

Version 1.0



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Revision History

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Vision

1. Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of JagTrack. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how the JackTrack fulfills these needs are detailed in the use-case and supplementary specifications.

1.1 Purpose

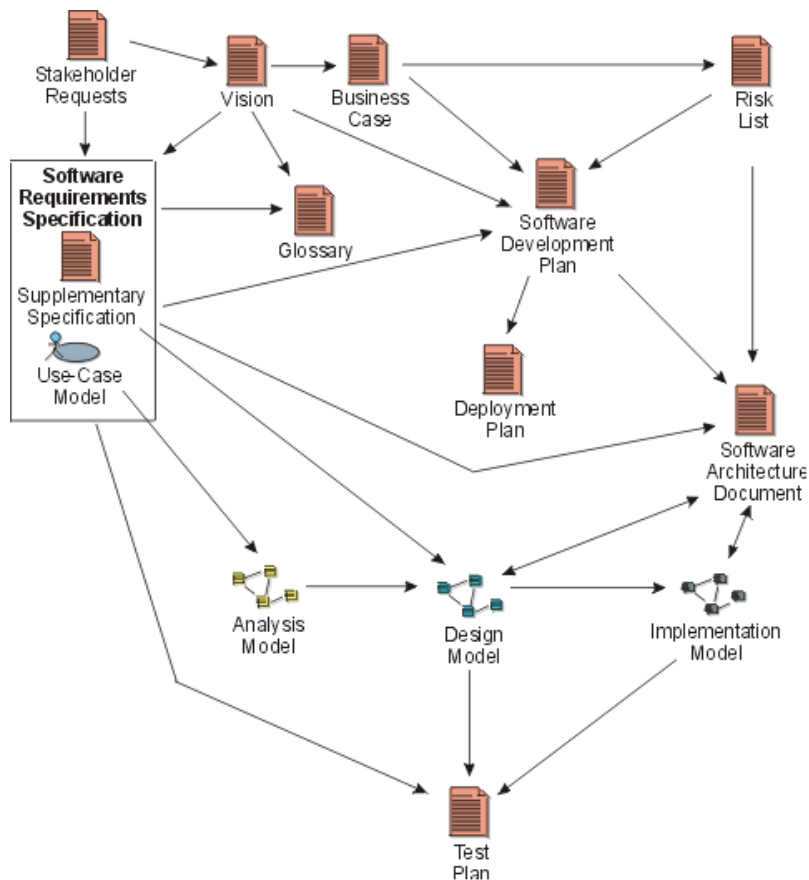
The expectations from stakeholder and target users are:

1. the knowledge of Buses (for the passenger)
 - a. When last bus left.
 - b. When the next bus is due.
2. Passenger Information (for the administrators).
 - a. How many people are at the locations/ on the buses

1.2 Scope

This vision document is associated with the JagTrack project. The JagTrack Project is a reformation of the JagTran program – a bus system on the University of South Alabama Campus. According to the figure below, this document relies on the **Stakeholder Request** form and influences the **Software Requirements Specification** and **Glossary**.

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1.3 Definitions, Acronyms, and Abbreviations

See Glossary for definitions, Acronyms, and Abbreviations.

1.4 References

[This subsection provides a complete list of all documents referenced elsewhere in the **Vision** document. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

1.5 Overview

[This subsection describes what the rest of the **Vision** document contains and explains how the document is organized.]

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2. Positioning

2.1 Problem Statement

The problem of	Not knowing the exact schedule of Jag Tran i.e. not sure if Jag Tran have arrived or left the stop
affects	Passengers of the JagTran system
the impact of which is	Passengers sometimes arrive late at their destination. As a result, student usage declines
a successful solution would be	Able to allow students to arrive at their destination on time. Ultimately make the JagTran system more efficient.

3. Stakeholder and User Descriptions

[To effectively provide products and services that meet your stakeholders' and users' real needs, it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. You must also identify the users of the system and ensure that the stakeholder community adequately represents them. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed.]

3.1 Stakeholder Summary

Name	Description	Responsibilities
Dr. McDonald	Head of the CSC 331. Concept teacher and amazing professor.	Responsible for giving us the requirement specifications that the JagTran system needs. Also is the "middle man" between us and the JagTran System so anything we want to ask we can go to him.

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Passenger	These are the people who use the	The user's responsibility is to efficiently use the system and not abuse or vandalize it.	Dr. Mcdonald represents the user and the stakeholders' best

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	JagTran system and who directly benefit from it.		interest.
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3.3 Stakeholder Profiles

3.3.1 The USA JagTran Bus System [through Dr. McDonald]

Representative	Dr. McDonald
Description	Dr. McDonald represents the USA JagTran system. He is indirectly responsible for the needs of the students, the administration, and the workers that drive the buses
Type	Dr. McDonald is a well trained professional in this field. Over the past twenty years, he worked as computer programmer, software engineer, and technical manager, has developed part of a few large & medium scale software packages
Responsibilities	Dr. McDonald seeks for all those working on the project to understand Software Engineering and the RUP way of doing things. He also wants a tangible product by the end of the semester.
Success Criteria	How does the stakeholder define success? <ol style="list-style-type: none"> 1. Software Engineering Concepts are learned in the course 2. Project team develops artifacts that can successfully be implemented in later classes 3. A working code can be demonstrated at the end of the semester that reads in and out of a database.
Involvement	[How is the stakeholder involved in the project?] <p>Dr. McDonald helps us review and revise requirements, Assign roles, and helps with any questions we may ask.</p>
Deliverables	A working backend by the end of the semester.
Comments / Issues	I [Robert Fornof] wish we could have better communication and more direct accountability. I see time constraints and scheduling difficulties as possible issues that may hinder success.

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3.4 User Profiles

3.4.1 Passengers

Representative	[Who is the user representative to the project? (Optional if documented elsewhere.) - see Dr. McDonald stakeholder definition above. <i>Also, we were all required to ride the JagTran system , so we technically all are representative to the users of the project.</i>
Description	These are people who use the JagTran bus system.
Type	Casual User – one who knows how to operate an android OS device .
Responsibilities	The user’s key responsibilities using the JagTran system is to be a good student and get to class on time.
Success Criteria	Success is when the passenger can accurately depend on the bus to take them to a certain place on campus at a set amount of time at regular intervals that do not prevent the user from reaching their destination in a requested amount of time.
Involvement	The user is involved in Testing the application when we send it into “Beta testing”
Deliverables	The user can produce survey or verbal feedback.
Comments / Issues	--

4. Product Overview

[This section provides a high level view of the product capabilities, interfaces to other applications, and system configurations. This section usually consists of three subsections, as follows:

- Product perspective
- Product functions
- Assumptions and dependencies]

4.1 Summary of Capabilities

[Summarize the major benefits and features the product will provide]

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Table 4-1 Customer Support System

Customer Benefit	Supporting Features
Passengers are on time	Knowledge of where each bus is helps the system give accurate information and guidance suggestions to the passenger.

4.2 Assumptions and Dependencies

[List each of the factors that affect the features stated in the **Vision** document. We assume the Android Operating system will remain stable throughout our development. We also assume that everyone wants to take responsibility for this puppy and see it succeed.

4.3 Cost and Pricing

Since our scope is just the software side, cost is Time and grades for us to input. We seek to output something the university can use without a dollar cost either since that is usually how educational software development works.

4.4 Licensing and Installation

Licensing - since this is educational - should probably use the MIT license <http://web.mit.edu/tlo/www/> this allows commercial use if necessary. It would greatly help students who would want to develop this and sell it on their own later down the road.

5. Product Requirements

5.1 Applicable Standards

This application must be able to run on the Android OS.

5.2 System Requirements

For the backend, MySQL and java are needed. For the front end Android OS is needed to produce a GUI for the java interface.

5.3 Environmental Requirements

We need to track the buses and amount of users on each bus.

6. Documentation Requirements

6.1 User Manual

The Purpose of the User Manual is to help a user with simple functions of the JagTrack GUI. Level of detail will be simple. Desired length would be about 3 pages including screenshots. This would be best made as a tutorial guide rather than an in depth API reference. The API reference should be created automatically with JavaDoc.

6.2 Online Help

Online help should provide feedback for the system on the JagTran page.

6.3 Installation Guides, Configuration, and Read Me File

An install guide should be included in case users are unsure of how to install this.

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Labeling and Packaging

The USA Jaguars Logo and the School of CIS logo should be implemented to brand the JagTran system.