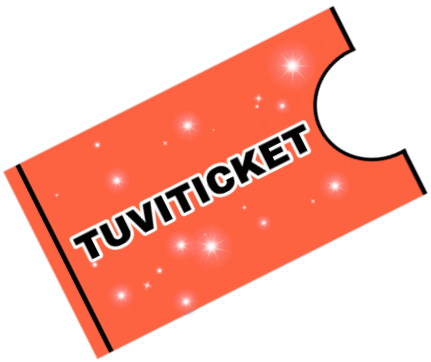
TuviTicket

Tuvi
Software Requirements Specification

Version 1.0



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Revision History

Date	Version	Description	Author
20/08/2018	1.0	First version	Ignacio Vidaurreta Sofía Picasso Nicolás Barrera Juan Bensadon Nicolas Becker Ezequiel Keimel

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Software Requirements Specification

1. Introduction

1.1 Purpose

This document was created to outline the behaviour of the TuviTicket website, its nonfunctional requirements, its design constraints and other factors to fully explain the requirements of this software.

1.2 Scope

TuviTicket is an interface between event organizers and customers.

Customers of TuviTicket can find a centralized site to find events near them that might interest them and an easy to use way to buy tickets for said event. They will be able to search for events by category or by *most popular* and find more information on any event that might interest them. Once they find the event they are looking for they can add it to the shopping cart and proceed with the payment. For each ticket in the cart the customer can choose a payment method to complete the transaction (cash, credit card, etc.)

Event organizers can use TuviTicket as a place to promote their events and increase their sales. On creating an event they must include information such as name of the event, number of tickets on sale, pictures, etc.

1.3 Definitions, Acronyms, and Abbreviations

Customer	Someone who buys tickets for an event
Event Organizer	Someone who sells tickets for an event
User	Both Customer and Event Organizer
Ticket	When bought lets you enter to certain event
Cart	List of tickets ready to buy
UI	User Interface

1.4 References

IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirement Specifications. IEEE Computer Society, 1998.

1.5 Overview

The following sections provide a more in-depth description regarding the different aspects of the system.

2. Overall Description

The TuviTicket app will allow publishers to post different entertainment events. It will display these events to the customer who will have the option to purchase one or more tickets to said events. The customer will be able to use a search function to find specific events.

3. Specific Requirements

3.1 Functionality

- Users must be able to create an account associated to an email address.
- Users must be able to sign in using an account name and a password.
- Event Organizers must be able to post multiple events, each with a title, event picture, a description and the date/time when the event is scheduled.
- Customers must be able to purchase tickets to posted events.
- Customers must be able to search for specific events.
- Customers must be able to see a list of the events they have bought tickets for

3.2 Usability

The system provides a intuitive interface which should improve the usability both for purchasers as for providers. High effort is made in order to create a user-friendly environment and therefore shortening task times in all areas:

- The estimated average time to upload a publication is 4 min.
- The estimated average time to buy a ticket is 4 min.
- The estimated average time that takes a normal user to search a specific product is 6 min.

3.2 Reliability

- The system must aim towards running 24 hours a day save for maintenance/repairs/upgrading downtime.
- Upgrades to the system will be deployed once every month. The system will suffer a downtime of four hours.

3.3 Performance

- Transactions will take 3 seconds to be completed
- The system will be able to process 100 transactions per second.
- The system will allow for an unlimited number of simultaneous users.

3.4 Supportability

The TuviTicket website will use a combination of HTML, CSS and javascript for the front-end, PHP for database access and back-end in general.

3.5 Design Constraints

The biggest constraint will be the internet connection, since the user will not be able to access any of the features in the app or the information in the database if they do not have a working connection.

3.6 On-line User Documentation and Help System Requirements

A FAQ page will be available for frequently asked questions regarding terms of condition. For further assistance, it will be possible to contact a help desk through a contact form.

3.7 Interfaces

3.7.1 User Interfaces

The system will present the user with a Graphical User Interface that will contain a search bar and elements for logging in and out, as well as managing the different aspects of their profile. Event organizers

will also be presented with a button for publishing events.

3.7.2 Hardware Interfaces

The system will support personal computers and laptops running any operating system with a web browser.

3.7.3 Software Interfaces

The system will internally utilize a PostgreSQL database hosted on a web server. It will connect to the user through Web browsers such as Mozilla Firefox, Safari, Google Chrome and Microsoft Edge.

3.7.4 Communications Interfaces

3.8 Licensing Requirements

GNU General Public License Version 3 (GPL-3.0)