
Rasti & Co.

**Kaufen
Vision**

Version 1.0



Revision History

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Vision

1. Introduction

1.1 Purpose

The purpose of the following document is to provide a thorough description of our vision for the desktop application “Kaufen”.

1.2 Scope

The system will bridge buyers and sellers managing the financial transaction as the middleman. It will provide detailed specifications of products which are provided by the seller. The system will not provide an auction platform neither it will be in charge of the shipping process. The search, list and confirmation will be reached by the platform, which will also offer the possibility to handle user accounts.

1.3 Definitions, Acronyms, and Abbreviations

Consult: [catalog.pdf](#)

1.4 Overview

The rest of the document reaches a more profound portrayal of the application in three major sections. The aim of this layout is to start from the origin and cause of the system in the positioning, to go over the parties that are affected by it and analyse its effect, and lastly to create and outline the structure of the product as a consequence of the previous matters.

2. Positioning

2.1 Business Opportunity

Kaufen offers a connection between small scale sellers and average buyers. The objects and supplies offered are included in a categorization. We identified the opportunity to achieve this connection facilitating the transaction between both parties. Kaufen will allow the sellers a simple and effective platform to accomplish transactions by focusing on the demands of small scale buying and selling.

2.2 Problem Statement

The problem of	Buying and selling
affects	Small-scale buyers and sellers
the impact of which is	Sellers and buyers don't have access to a free and open market in which to negotiate the best prices through transparent competition.
a successful solution would be	Offering a simple and effective platform that bridges the two parties

2.3 Product Position Statement

For	Small-scale buyers and sellers
Who	Need to obtain products of interest or display products to possible buyers
The Kaufen platform	ecommerce platform
That	Bridges small scale sellers and average buyers
Unlike	Mercadolibre
Our product	Assists small scale sellers, and provides a more efficient and simple connection between users.

3. Stakeholder and User Descriptions

3.1 Market Demographics

The platform targets the general public with a minimal understanding and handling of computers and technology. On the one hand who look to sell household items they no longer use quickly and securely without needing to look for the buyer themselves.

On the other hand buyers are willing to find good deals for new or used products and compare easily between similar alternatives with relatively little effort.

The platform targets essentially young adults who will find useful to sell effectively their used items or to buy relatively cheap items. Kaufen also targets small business owners who need a bridge between their products and the buyers.

3.2 Stakeholder Summary

State	Governing authority on countries involved with the business	In charge of the regulations that put context to the transactions
System Development Team	Platform developers	Design, Architecture, DB, Testing, Analysis. Ensures that the system will be maintainable
Executives	Governing authority of the project	In charge of making decisions. Ensures that there will be a market demand for the product's features Approves funding
Payment Service	In charge of making the transactions	Security

3.3 User Summary

Seller	User capable of advertising products in the platform	Uploads sellable items Produces demandable content and competition
Buyer	User capable of purchasing the available products	Buys the product and reviews the buyer for other buyers to reference.

3.4 User Environment

The user is involved in a one to one transaction, thus the number of people involved in a transaction is constant. The products are available on the page for an specific period of time. After the period has expired the seller must reupload the product to the system.

The transactions have a duration of three days in which the products are put on reserve and the buyer and seller must arrange the rest of the transaction. If the transaction is unsuccessful the product is unreserved and is back on sale.

The User environment encompasses a web page in which users will be able to buy and sell their product with the aforementioned time restrictions.

Future platforms could include a mobile application apart from the web page.

3.5 Stakeholder Profiles

3.5.1 State

Representative	Internal Revenue Service
Description	Issues administrative rulings such as revenue rulings
Type	Expert
Responsibilities	The duties of the IRS include providing tax assistance to taxpayers and pursuing and resolving instances of erroneous or fraudulent tax filings.
Success Criteria	If the transactions occur under the established rules
Involvement	
Deliverables	Receives the required information from the transactions
Comments / Issues	Obstacles in the online regulations associated to the purchases

3.5.2 System Development Team

Representative	Head of systems development
Description	Member of the company who is in charge of development
Type	Qualified professional with advanced technological expertise]
Responsibilities	In charge if making the system efficient and expanding its capabilities

Success Criteria	When the quality tests indicate sufficient quality and ease of use for the user
Involvement	[How is the stakeholder involved in the project? Relate where possible to Rational Unified Process roles—that is, Requirements Reviewer and so on.]
Deliverables	The systems development team will be in charge of developing new features for the product.
Comments / Issues	

3.5.3 Executives

Representative	CEO
Description	Head of business
Type	Management knowledge
Responsibilities	Making decisions for the company
Success Criteria	When the overall business's departments are running according to the boards specifications.
Involvement	In charge of making the large scale and interdepartmental decisions of the company.
Deliverables	All the business departments will submit quarterly reports to the executive branch.
Comments / Issues	

3.5.4 Payment Service

Representative	Head of Company in charge of transactions
Description	Third party company offering payment services
Type	Technological expertise in online payments
Responsibilities	Responsible for the security of the transactions
Success Criteria	When every transaction occurs on a secure context and successfully
Involvement	Involved indirectly only to provide the payment services
Deliverables	Platform for the users to fill the required information, provided by the developing team
Comments / Issues	

3.6 User Profiles

3.6.1 Seller

Representative	Any seller
Description	Defined in demographic section
Type	Defined in demographic section
Responsibilities	To provide the required information about himself and the products advertised
Success Criteria	The seller is successful when he completes a transaction, the degree of success however is measured by the rating he can give to the transaction after it has been

	concluded
Involvement	The buyer will provide product information
Deliverables	At the end of the transaction the user will provide a rating for the transaction
Comments / Issues	

3.6.2 Buyer

Representative	Any buyer
Description	Defined in demographic section
Type	Defined in demographic section
Responsibilities	To offer a valid payment method in case of purchasing an item
Success Criteria	The buyer is successful when he completes a transaction, the degree of success however is measured by the rating he can give to the transaction after it has been concluded
Involvement	The buyer will buy the seller's product paying the system's fee which is included in the price.
Deliverables	At the end of the transaction the user will provide a rating for the transaction
Comments / Issues	[Problems that interfere with success and any other relevant information go here. These would include trends that make the user's job easier or harder.]

3.7 Key Stakeholder or User Needs

One of the biggest problems users face today as in a context in which transactions are made online, is the lack of trust between themselves and the platform they interact with, specially when it has to do with payments. This issue reflects the need of simple interfaces that connect the task and the user in a friendly way. Therefore, users often deal with this problem recurring to someone with more technological knowledge who can help them make the transaction without risking their personal information. If the user is offered a trusted platform with a simple interface, this will extend the target of the application to those users than were to afraid to recur to this operations before.

3.8 Alternatives and Competition

3.8.1 MercadoLibre

3.8.2 LetGo

3.8.3 AliExpress

4. Product Overview

Kaufen is a platform designed to match buyers and sellers. Customers pay a set price for offered products. Items are delivered after payment, and users can provide feedback.

Kaufen has a platform for users to sell products, a payment platform for online sales and advertising.

4.1 Product Perspective

The product is independent and totally self-contained. It has platforms achieve the payments.

4.2 Summary of Capabilities

Table 4-1 Customer Support System

Customer Benefit	Supporting Features
Customers can solve their problems, lowering support costs	A detailed guide will be available in the application
Customers will find a solution to their problem with a simple search	A smart search engine will improve response time of finding the solution
Customer satisfaction will be improved because the can learn how to use the application to achieve what they want	All the different options that can be done in the application will be specified step by step in the guide

4.3 Assumptions and Dependencies

The product will assume that the user has a computer with access to the internet and sufficient technological proficiency as to navigate web pages with relative ease.

4.4 Cost and Pricing

Consult: [UCPManHoursAnalysis.xls](#)

4.5 Licensing and Installation

The product requires installation on the computer. It has a public license and it is open source.

5. Product Features

The application main purpose is to have a simple interface with all the key features visible and easy to interact with. It has to be user-friendly, so that small business owners regardless of their technological skill are able to use the application.

The features are:

- Sign In
- Log In
- Edit Profile
- Search Product
 - List Product
- View Shopping Cart
- Add to Cart
- Check Out
 - Verify Payment
- CRUD of Products
- Delete Users

- Manage Categories

6. Constraints

The application will make use of internet connection so all the constraints that an internet connection can have will be reflected on the application. Kaufen Desktop Application would not be able to access remotely to the database system, having no information about users and product.

Furthermore, in order to sign in correctly to the application, it will send an email to confirm it. A connection to the email system would not be successful if there is no internet connection.

The shopping cart should update every 5 seconds while you are on the application in case you decide to close it and pay other day. If this is not possible, the customer will lose information of this buying options.

7. Quality Ranges

Kaufen provides services and infrastructure to build reliable, fault-tolerant, and highly available systems. These qualities have been designed into our services both by handling such aspects without any special action by you and by providing features that must be used explicitly and correctly.

Kaufen Desktop Application would be available 96% of the time (hours of use, maintenance access and operations).

The mean time between failures would be 1 year and mean time to repair 18hs.

The average time to upload a publication is 5 min, to buy a item is 3 min and to search a specific product is 8 min.

The response time for a transaction would be 3 seconds and can have 100 transactions per second.

8. Precedence and Priority

The simplicity is main features and therefore have the highest priority followed a user friendly interaction and a aesthetically appealing design.

The most important feature would be the checkout and verify payment, followed by CRUD of products. Then would be user sign in, user log in, search and list products, add a product to cart, view shopping cart, delete users and manage categories.

The less important feature edit user profile,

9. Other Product Requirements

9.1 Applicable Standards

Rasti & Co will provide a public licence for the open source Kaufen Desktop Application

9.2 System Requirements

The application will run in operative system based on UNIX such as Linux or OS X.

9.3 Performance Requirements

The application will let users to search products, view a product list and product selection with cart adding and order confirmation. Users can also create a publication, access an online manual and sellers can sign-in. The application must also be able to have reasonable response times.

9.4 Environmental Requirements

N/A

10. Documentation Requirements

10.1 User Manual

There will not be a user manual as the application is user friendly and provides help in a menu.

10.2 Online Help

A help menu will display once pressed F1 key to solve the problems one may have and instructions to accomplish tasks.

10.3 Installation Guides, Configuration, and Readme File

The software includes a Readme file that describes the installation instructions.

10.4 Labeling and Packaging

N/A

A Feature Attributes

A.1 Status

The management team will track progress and maintain the application. After meetings with customers, negotiations will be taken into account to review the project and modify it. The status of each to-be-implemented feature will be set after this negotiations. It can be:

Proposed	Meetings between the team and the client will be held every two weeks to keep track of the fulfillment of the agreed things.
Approved	A signature from the authorized team leader will be required to approve a feature.
Incorporated	Every feature will have a different time of incorporation to the project.

A.2 Benefit

Critical	CRUD for articles and users.View shopping cart,add to cart, checkout and payment verification.User sign in,User Login, Search and list products and manage categories.
Important	Edit user profile,Delete user profile
Useful	User confirmation email

A.3 Effort

Depending on the feature to be implemented,the team will settle an approximate period of time to include it to the project.

A.4 Risk

SAP Risk Manager will be used to measure a risk percentage.

A.5 Stability

Feature changes will depend on the satisfaction and needs of the client. If so, they will be discussed and analyzed in the settle meetings and will be implemented as fast as possible.

A.6 Target Release

Different features will be included in every application version update.

A.7 Assigned To

A feature team will be responsible for further elicitation, writing the software requirements and implementation.

A.8 Reason

After meetings with clients, an explanation of the reason of the requested feature will be made. It will have a reference to the specific requirement that was settled.