

OpenBazaar Redevelopment - Requirements

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Revision History

Template Used

We have used the Volere Template as a guide for creating this requirements document.

Abstract

This documents outlines requirements for the OpenBazaar redevelopment project.

Project Drivers

1 The Purpose of the Project

1.1 The User Business or Background of the Project Effort

The modern economic era is built around e-commerce and internet trade. This is apparent from the change in the speed of stock market trades, the explosion of tech based corporations and the expansion of internet commerce services such as Alibaba and eBay.

Currently, people who wish to buy and sell online are largely constrained to utilizing the services offered by the large corporations, thereby sacrificing a portion of the profit from trades. In undertaking the OpenBazaar project, we aim to benefit both online buyers and sellers by creating a platform in which internet trade can be decentralized

The project will be developed as an open-source, client and server model.

1.2 Goals of the Project

The main goals of the project include:

- Eliminating the need for centralized e-commerce services.
- Reduce the overhead cost of doing business and trading over the internet by eliminating third-party fees.
- Creating a permissionless, censorship-resistant trade platform.

2 The Stakeholders

2.1 Traders

At the present time, anyone who wishes to open an online store must use a centralized service. These services often charge listing fees, subscription fees or membership fees. Traders are also forced to use centralized exchange platforms such as PayPal or be charged bank fees for direct deposits. Traders stand to benefit from the project by the elimination of both of these unnecessary expenditures. The use of BitCoin will allow for a feeless monetary exchange and a free product listing on the OpenBazaar network.

2.2 Buyers

Buyers who shop online will benefit from this project in several ways. The overhead costs of doing trade will be lower on this platform than centralized services, and buyers should expect to see a reflection of this in the prices of products on OpenBazaar. Buyers will be free to exchange goods with anyone they can connect to on the network,

2.3 Other Stakeholders

Other stakeholders include:

- Major corporations that currently benefit from trades between buyers and sellers through the internet
- Collectively, law enforcement can be considered a stakeholder as they will be affected by this new form of online trade and will likely have to alter their tactics for detecting illegal activity

- Members of the development team
- Computer/Internet users in general may be considered stakeholders because, with a simpler and more effective manner of completing sales and trades readily available, more of these people may turn to internet trading

2.4 The Hands-On Users of the Product

The hands-on users of the product:

- Online Sellers/Traders
- Online Buyers
- Computer/Internet users interested in buying and selling online

2.5 Priorities Assigned to Users

- Key Users: Online buyers and sellers
- Secondary Users: Developers and testers

2.6 User Participation

- Users acting as prospective buyers or sellers or an anonymous, third-party mediator access the OpenBazaar network
- Users acting as sellers advertise their products on the OpenBazaar network
- Users acting as buyers browse or search for products that they would like to buy on the OpenBazaar network
- A user acting as notary advertises their mediation services on the OpenBazaar network and serves as a third-party to ensure a fair trade

2.7 Maintenance Users and Service Technicians

- Developers and Testers

Project Constraints

3 Mandated Constraints

3.1 Solution Constraints

- Description:
- Rationale:

- Fit Criterion:
- Description:
- Rationale:
- Fit Criterion:
- Description:
- Rationale:
- Fit Criterion:

3.2 Implementation Environment of the Current System

-

3.3 Partner or Collaborative Applications

- BitCoin

3.4 Off-the-Shelf Software

-

3.5 Anticipated Workplace Environment

-

3.6 Schedule Constraints

- This project should be completed and tested by November 30, 2015
- Final documentation must be complete by December 8, 2015

3.7 Budget Constraints

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A

4 Naming Conventions and Terminology

4.1 Definitions of All Terms

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5 Relevant Facts and Assumptions

5.1 Facts

-

5.2 Assumptions

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