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| Pay-a-Bit |
| Project Vision Document | |
| **Version 1.0** | |
| 9/22/2018 | |

**Revision History**

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| Revision | Date | Author | Reviewed By | Summary of Changes |
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**Document Approval List**

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**Document Distribution List**

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# Introduction

Pay-a-Bit is a WordPress plugin that allows merchants to accept cryptocurrencies on their websites. Merchants can see the past transactions via merchant dashboard as well as the plugin also offers the functionality of generating automatic receipts for the customers paying with Bitcoin.

## Purpose

This document helps to describe the compelling idea of the project as well as defines the view of the stakeholder on the project and features that will be offered by the plugin. This document helps everyone who is involved in the development of the product to be focused on the direction that the product should be taken into.

## Scope

The main scope of the project is to create a plugin that will enable E-Commerce merchants to accept Bitcoin payments on their website.

### In Scope

A WordPress plugin that is stable and enables customers to pay with Bitcoin and Bitcoin Cash on different websites. Also, a merchant’s dashboard for transaction status and customer receipts

### Out of Scope

Other cryptocurrencies like Ethereum, Litecoin, Ripple etc. would be added later as per plugin maturity.

## Definitions, Acronyms, and Abbreviations

Blockchain: a digital ledger in which transactions made in bitcoin or another cryptocurrency are recorded chronologically and publicly.

Cryptocurrency: a digital currency in which encryption techniques are used to regulate the generation of units of currency and verify the transfer of funds, operating independently of a central bank.

Fiat: inconvertible paper money made legal tender by a government decree.

Bitcoin: a type of digital currency in which encryption techniques are used to regulate the generation of units of currency and verify the transfer of funds, operating independently of a central bank.

## References

| Reference File Name | Version | Description |
| --- | --- | --- |
|  |  |  |
|  |  |  |

# Positioning

## Business Opportunity

The existing payment plugins are unstable or broken so this product will help the crypto community as well as people willing to pay with cryptocurrencies.

## Problem Statement

|  |  |
| --- | --- |
| The Problem of | Unstable and broken payment plugins. |
| affects | Merchants and Customers |
| the impact of which is | Unable to accept cryptocurrencies on their websites. |
| a successful solution would be | Pay-a-Bit (WordPress Plugin) |

Table 1 Problem Statement

## Product Position Statement

|  |  |
| --- | --- |
| For | Merchants |
| Who | Have E-Commerce websites on WordPress |
| The Pay-a-Bit | Is a payment processing plugin |
| That | Helps merchants to accept cryptocurrencies on their websites. |
| Unlike | GoUrl Plugin |
| Our product | will be steadier and more secured for the payments to go through |

Table 2 Product Position Statement

# Stakeholder and User Descriptions

Bitcoin Bay Corp. is a company that offers blockchain solutions and engages in blockchain community through various events and meetups. It also offers advisory consulting on various areas like crypto mining, regulatory and team projects.

## Stakeholder Summary

< There are a number of stakeholders with an interest in the development and not all of them are end users. Describe and list the project stakeholders>

| Stakeholder Name | Represents | Role |
| --- | --- | --- |
| Bitcoin Bay Corp | as a company that will provide help to the community | Making sure that the project is going on as per the requirements and providing resources and guidance as needed |
|  |  |  |
|  |  |  |

Table 3 Stakeholder Summary

## User Summary

| User Name | Description | Responsibilities | Stakeholder |
| --- | --- | --- | --- |
| Darshan Shah | A student studying at George Brown College | Manages the project and coordinating with other users and stakeholder as well as front-end development |  |
| Neel Patel | A student studying at George Brown College | Generates reports and back-end development. |  |
| Jaydeep Khambholja | A student studying at George Brown College | Back-end development and team managements. |  |
| Akaash Arora | A student studying at George Brown College | Maintains and develops database structures and WordPress coding styles. |  |

Table 4 User Summary

# Stakeholder Requirements

| ID | Requirement | Stakeholder |
| --- | --- | --- |
| 1 | Payment Process |  |
| 2 | Transaction Receipts |  |
| 3 | Transaction Status |  |

Table 5 Stakeholder Requirements

# System Features

| ID | Feature | Stakeholder Requirement ID |
| --- | --- | --- |
| 1 | Fiat-Crypto Converter |  |
| 2 | QR-Code Generator |  |
| 3 | Generating Automatic Receipts |  |
| 4 | Payment Confirmation Status |  |

Table 6 System Features

# Assumptions

1.Members Availability

2.Scheduling Accuracy

3.Architecture and Design

# Constraints

-Knowledge