Vision and Scope Document

**for**

I.O. System

**Version 1.0 approved**

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**<organization>**

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# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

# Business Requirements

## Background

Torrecamps Marketing is a company based in Parañaque, they are a company founded in 2017. Initially it started as a supplying company for the barangays located in Parañaque, but by April 2020 they started focusing on the “pandemic essentials” such as facemasks, alcohol, tissues, and gloves. They are a company of five including the CEO. Their workforce consists of cashiers, drivers for deliveries and people for labor. The client's purpose is to supply the public with the necessary equipment to face the pandemic. Currently the client does not have a big workforce, meaning sometimes the CEO would also pitch in and do some of the more basic tasks that their company needs done, this also means that a lot of their more important tasks are set aside to tackle their tasks that deal with transactions.

The client has requested the group to create a new system that they can use in their business, and the group thought of an inventory system and an ordering system. While one can argue that all the functions of this system can be done manually as the company does now, an inventory system and ordering system would allow it to be automated and would allow the company’s workforce to do other tasks that would usually be done after completing their transactional tasks. As their company grew and they took on bigger quantities of stocks the method that they used to process customer transactions became increasingly difficult to maintain. As more products rolled in and more transactions were made, the excel sheets that were made became messier and messier, while the process of producing receipts became a hassle.

The group took up the task of providing a company that supplies pandemic necessities with an inventory and ordering system to help them further their company’s development. Currently the client does their client transactions manually, either by their cashier or by their CEO, which is not something that a CEO should be involving themselves with. By providing them with this system it would help them do more tasks in a shorter amount of time, and it would also help them reach out to more people and provide them with the items that they need in the daily life of this new normal.

(Note: reword)

## Business Opportunity

<Describe the market opportunity that exists or the business problem that is being solved. Describe the market in which a commercial product will be competing or the environment in which an information system will be used. This may include a brief comparative evaluation of existing products and potential solutions, indicating why the proposed product is attractive.

Identify the problems that cannot currently be solved without the product, and how the product fits in with market trends or corporate strategic directions.>

(Insert Significance of the Project)

## Business Objectives and Success Criteria

<Describe the important business objectives of the product in a way that is quantitative and measurable. The value provided to customers is described in section 1.4, so this section should focus on the value provided to the business. This could include estimates of revenue or cost savings, return on investment analysis, or target release dates. Determine how success will be defined and measured on this project, and describe the factors that are likely to have the greatest impact on achieving that success. Include things within the direct control of the organization, as well as external factors. Establish measurable criteria to assess whether the business objectives have been met.>

(Insert objectives and ask group on success metrics)

## Customer or Market Needs

<Describe the needs of typical customers or market segments, including needs that are not yet met by the marketplace or by existing systems. You may wish to describe problems customers currently encounter that the new product will (or will not) address and how the product would be used by customers. Identify the customer hardware and software environment in which the product must operate. Define at a high level any known critical interface or performance requirements. Avoid including any design or implementation details. Present the requirements in a numbered list so that more detailed user or functional requirements can be traced to them.>

(Insert Product Backlog / User Stories. Note Hardware and Software use.)

## Business Risks

<Summarize the major business risks associated with developing this product, such as marketplace competition, timing issues, user acceptance, implementation issues, or possible negative impacts on the business. Estimate the severity of the risks and identify any risk mitigation actions that could be taken.>

|  |  |  |
| --- | --- | --- |
| Risks | Severity | Risk mitigation actions |
| Original customers moving to another client due to product not being in messenger anymore | Medium | Make the webapp be able to integrate to multiple shopping applications (Future) |
| Other marketplace competitors from Facebook and other shopping applications | Low | Better marketing |
| Other product management applications | High | Communication with client to make a better product catered to them |
| Employees not understanding the solution | Low | Create training for the employees and make the user interface easy to use. |

(Discuss with group about this)

# 

# Vision of the Solution

## Vision Statement

The group’s vision of the product is an easy-to-use solution which can be accessed from any device to manage inventory and orders from customers. This system will lead to increased efficiency and accuracy in operations. This will also provide a way for the business to make informed decisions and minimize errors in inventory management and ordering processes.

## Major Features

<Include a numbered list of the major features of the new product, emphasizing those features that distinguish it from previous or competing products. Specific user requirements and functional requirements may be traced back to these features.>

The main features of this product include:

* A way to input
* Digital receipts for customers’ orders
* Real-time generated reports regarding the inventory and ordering transactions online

(Insert objectives and use cases)

## Assumptions and Dependencies

<Record any assumptions that were made when conceiving the project and writing this vision and scope document. Note any major dependencies the project must rely upon for success, such as specific technologies, third-party vendors, development partners, or other business relationships.>

Assumptions:

* Torrecamp’s customers are willing to move from messenger to a website
* Torrecamp will be paying for a server to run the application
* Another group will continue to develop this application

Dependencies:

* Laravel staying open-source and continually updated
* Node.js staying open-source and continually updated

(Check with group)

# Scope and Limitations

## Scope of Initial Release

The group will develop an inventory system and ordering system for Torrecamps Marketing. This will automate their transaction process and allows the users to order within the system which brings more flexibility and efficiency and eliminates the inconvenience of manually processing their transactions and inventory needs. Delivering operational improvements, minimizing customer service issues for better service. It also includes Invoice, Transaction report, Printing receipts and Inventory management, List of Orders which allows for viewing and adding of stocks, viewing of orders, contact supplier. This project will help Torrecamps to have more control over their business, providing the client's needs for the improvement of their business.

(Reword this)

## Scope of Subsequent Releases

Future releases of this application will likely be handled by another group which the current group will not have any influence over. They will likely add features missing from the initial release that this group has planned. An example of this possible feature is integration to Facebook messenger to facilitate clients from there. Nevertheless, the group currently developing the application will be handling future releases.

## Limitations and Exclusions

Here are the limitations of the initial release:

* For the mobile application, it is limited only to android OS.
* The application will only include Cash-On-Delivery (COD) as their means of payment.
* For walk-in customers the admin will manually create their order using the ordering system developed by the group.

# Business Context

<This section summarizes some of the business issues around the project, including profiles of major customer categories, assumptions that went into the project concept, and the management priorities for the project.>

## Stakeholder Profiles

<Stakeholders are individuals, groups, or organizations that are actively involved in a project, are affected by its outcome, or can influence its outcome. The stakeholder profiles identify the customers for this product and other stakeholders, and states their major interests in the product. Characterize business-level customers, target market segments, and different user classes, to reduce the likelihood of unexpected requirements surfacing later that cannot be accommodated because of schedule or scope constraints. For each stakeholder category, the profile includes the major value or benefits they will receive from the product, their likely attitudes toward the product, major features and characteristics of interest, and any known constraints that must be accommodated. Examples of stakeholder value include:

* *improved productivity*
* *reduced rework*
* *cost savings*
* *streamlined business processes*
* *automation of previously manual tasks*
* *ability to perform entirely new tasks or functions*
* *conformance to current standards or regulations*
* *improved usability or reduced frustration level compared to current applications*

(Ask group about this)

Example:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Stakeholder*** | ***Major Value*** | ***Attitudes*** | ***Major Interests*** | ***Constraints*** |
| *executives* | *increased revenue* | *see product as avenue to 25% increase in market*  *share* | *richer feature set than competitors; time to market* | *maximum budget = $1.4M* |
| *editors* | *fewer errors in work* | *highly receptive, but expect high usability* | *automatic error*  *correction; ease of use; high reliability* | *must run on low-*  *end workstations* |
| *legal aides* | *quick access to data* | *resistant unless product is keystroke- compatible with*  *current system* | *ability to handle much larger database than current system; easy to*  *learn* | *no budget for retraining* |

## Project Priorities

<Describe the priorities among the project’s requirements, schedule, and budget. The table below may be helpful in identifying the parameters around the project’s key drivers (top priority objectives), constraints to work within, and dimensions that can be balanced against each other to achieve the drivers within the known constraints. For more information, see chapter 2 of Creating a Software Engineering Culture by Karl E. Wiegers (Dorset House, 1996). Examples:>

|  |  |  |  |
| --- | --- | --- | --- |
| ***Dimension*** | ***Driver (state objective)*** | ***Constraint (state limits)*** | ***Degree of Freedom (state allowable range)*** |
| *Schedule* | *release 1.0 to be*  *available by 10/1, release 1.1 by 12/1* |  |  |
| *Features* |  |  | *70-80% of high priority*  *features must be included in release 1.0* |
| *Quality* |  |  | *90-95% of user acceptance*  *tests must pass for release 1.0, 95-98% for release 1.1* |
| *Staff* |  | *maximum team size is*  *6 developers + 4 testers* |  |
| *Cost* |  |  | *budget overrun up to 15%*  *acceptable without executive review* |

## Operating Environment

<Describe the environment in which the system will be used and define the major availability, reliability, performance, and integrity requirements. This information will significantly influence the definition of the system’s architecture. Consider questions such as:

* *Are the users widely distributed geographically or located close to each other? How many time zones are they in?*
* *When do the users in various locations need to access the system?*
* *Where is the data generated and used? How far apart are these locations? Does the data from multiple locations need to be combined?*
* *Are specific maximum response times known for accessing data that might be stored remotely?*
* *Can the users tolerate service interruptions or is continuous access to the system critical for the operation of their business?*
* *What access security controls and data protection requirements are needed?>*

**DESKTOP/LAPTOPS**

|  |  |
| --- | --- |
| **Component** | **Minimum Specification Required** |
| Processor | Pentium 4 2.80 GHz |
| Random Access Memory | 4GB RAM |
| Monitor Display | 1024 x 768 Resolution |

**MOBILE/TABLET**

|  |  |
| --- | --- |
| **Component** | **Minimum Specification Required** |
| Processor | 2 Processor Cores |
| Random Access Memory | 2 GB RAM |
| Storage | At least 4 or 8 GB internal storage (SD card or external storage not counted) |