

# Project Plan

## Jarvis Inventory System

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Team Member	Ellyn Francess Bibon
Team Member	Janine Mae Usana
Team Member	Marie Vianca Pagaduan

### Document Revision History

Revision #	Date
1.1	October 3 2022
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## **Table of Contents**

<b>1. Executive Summary</b>	<b>3</b>
<b>2. Project Approvers, Reviews and Distribution List</b>	<b>4</b>
<b>3. Scope</b>	<b>5</b>
<b>4. Deliverables</b>	<b>6</b>
<b>5. Assumptions</b>	<b>7</b>
<b>6. Dependencies</b>	<b>7</b>
<b>7. Risk Management</b>	<b>8</b>
<b>8. Communication</b>	<b>8</b>
<b>9. Task Listing (WBS- Work Breakdown Structure)</b>	<b>9</b>
<b>10. Gantt Chart</b>	<b>10</b>
<b>11. Milestones</b>	<b>11</b>
<b>12. RAM – Responsibility Assignment Matrix</b>	<b>12</b>
<b>13. Approval</b>	<b>13</b>

# 1. Executive Summary

The following describes the project to be executed.

Objective	The main objective of the Jarvis system is to provide automatic real-time tracking of inventory. It provides a more complex system that will allow users to keep track of their inventory more efficiently by allowing them to order straight from the vendor and keeps track of changes in inventory count due to incoming shipment, expired products and damaged products. This system will also provide users with a more visual and descriptive inventory system than any other existing system.
Corporate Goals Addressed	The Jarvis system provides retail companies with a more efficient way to inventory management. It will allow stores to track their inventory automatically and more accurately. This project will also increase customer satisfaction as this system will make it easier for employees to locate a product and determine product availability. Productivity will also increase as employees will have more time to ensure the store has enough stock instead of manually counting inventory.
Planned Start Date	September 19, 2022
Planned End Date	March 31, 2022

## 2. Project Approvers, Reviews and Distribution List

Approvers, reviewers and distribution list

Project Role	Name	E-mail	Date
	Anjana Shah	ashah@georgebrown.ca	October 11 2022
	Ellyn Francess Bibon	ellynfrances.bibon@georgebrown.ca	October 11 2022
	Janine Mae Usana	janinemae.usana@georgebrown.ca	October 11 2022
	Marie Vianca Pagaduan	marievianca.pagaduan@georgebrown.ca	October 11 2022

### 3. Scope

Define the sum total of all of its products and their requirements or features.

In Scope	Out of Scope
New products are scanned using the SKU barcode and added to the database.	Stolen products are not accounted for.
Stores vendor information and product information such as UPC number, expiry date, aisle number, price and type.	Delays in deliveries from vendors can cause inventory shortages.
Notifies employees of which product expires soon.	Update product availability on the store's website.
Notifies employees when the product is low on stock.	Wrong quantity of the product that is being inputted.
Purchased products are scanned using the SKU and removed from the inventory count.	
Search products by name for product information.	
Analytics on best-selling products and frequently bought products.	
Allows users to process orders automatically.	
Returned or exchanged products will be considered as a deduction from the inventory.	

## 4. Deliverables

This project will deliver the following.

Deliverable	Description
Introductory presentation.	An introductory presentation that will include highlights, scope and mission statement of the project.
Finish documentation for web app features and system requirements.	Documents such as project vision and project plan for clients that describes the features and requirements needed for the system.
Design Presentation.	A presentation showcasing the design and functionality of the web-app.
User training session.	A training session for clients and end-users on how to navigate through the web app.
Finish Website.	A finished product of the web app-based inventory management system that includes all the stated features in the project vision.
Finished product presentation.	A presentation highlighting how the product works, showing product features and the design.

## 5. Assumptions

This project makes the following assumptions;

1. It is assumed that the user has an internet connection and a web browser to use the system.
2. It is assumed that the user knows using a computer and simple software or application.
3. It is assumed that once a customer buys the item, it will automatically deduct from the database.
4. It is assumed that when there is a discrepancy in the inventory count, that are damaged, recalled and shrank products.
5. It is assumed that the vendor would always approve the orders.
6. It is assumed that the customers will be using this system away from a computer device hence why a phone version is needed.
7. It is assumed that users will be of different classes; hence why they would need to have a login page. (ie managers and regular clerks)

## 6. Dependencies

The following are the internal and external dependencies that will have to be acknowledged and addressed;

1. A product database must be created first before creating other system features.
2. A barcode scanner must be created before integrating into the product database.
3. The user would have to input all the necessary information about the product when initially scanned in the inventory.
4. Shipments and deliveries from the vendor that will determine the inputted number for inventory count.
5. The report analysis for sales would be dependent on the amount of product purchased.

## 7. Risk Management

Potential Risk	Severity (H/M/L)	Likelihood (H/M/L)	Management Strategy
Data Breach	H	L	Create backups
Unauthorized users	M	M	Database for authorized users.
Unable to produce project deliverables	H	M	Define deliverables in detail and follow a timeline.
Inaccurate inventory count	M	L	Make sure loss, purchased and incoming products are accounted for in the database.

## 8. Communication

### Reporting

The following reports will be produced;

Report	Audience	Frequency
Project status report	<ul style="list-style-type: none"> <li>- Stakeholders</li> <li>- Team members</li> <li>- Project sponsor(s) if any</li> </ul>	Weekly
Project Design report	<ul style="list-style-type: none"> <li>- Team members(design team)</li> </ul>	Frequency Varies
Team Availability Report	<ul style="list-style-type: none"> <li>- Team members</li> <li>- Project manager</li> </ul>	Weekly
Meeting time report	<ul style="list-style-type: none"> <li>- Team members</li> <li>- Project manager</li> </ul>	Weekly
Finished project report	<ul style="list-style-type: none"> <li>- Team members</li> <li>- Project manager</li> <li>- Project Sponsors</li> <li>- Stakeholders</li> </ul>	At the end of the project.



**Meetings**

The following meetings/communication will be established;

Meeting	Purpose	Attendees	Frequency
Project team meetings	- to assign work to each member.	- Team Members	Weekly
Project status meetings	- review the status of the project with the project manager.	- Team Members - Project Manager	Weekly
UX Design Review	- Give project sponsors or stakeholders the opportunity to provide feedback on the design.	- Team Members - Stakeholder - Project Manager - Project Sponsors	Weekly (starting the development phase)

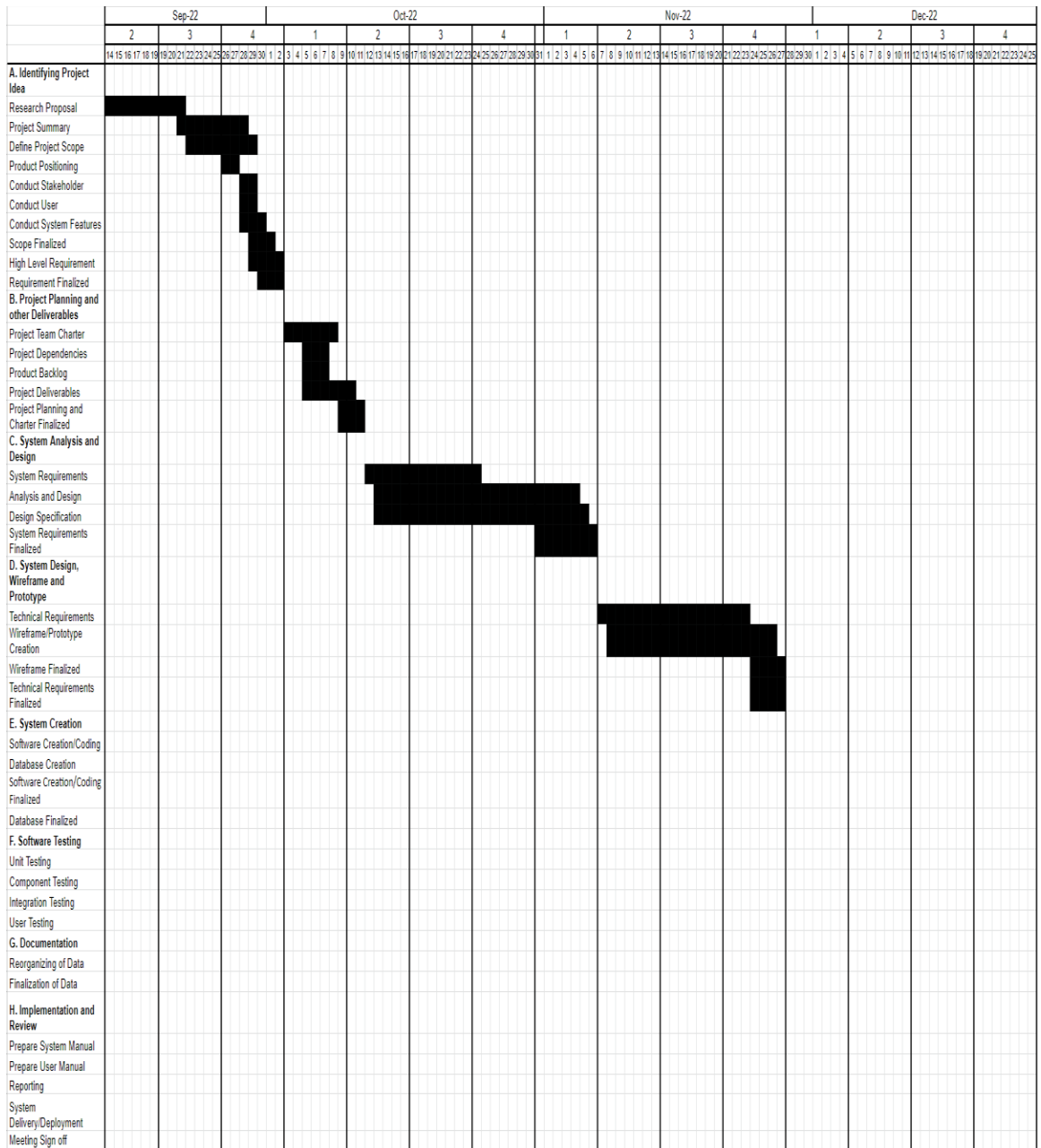
## 9. Task Listing (WBS- Work Breakdown Structure)

The following resource proposal template summarizes the resource hours committed to this project upon final approval of this document.

Reference	Tasks	Duration	Dependency
A	Requirements gathering	1 week	
B	Project planning and other deliverables	1 week	A
C	System analysis and design	3 weeks	A
D	System design, wireframe and prototype	3 weeks	C
E	System creation	4 weeks	D
F	Software testing	3 weeks	D, E
G	Documentation	2 week	C, D, E, F
H	Implementation and review	2 weeks	E, F

# 10. Gantt Chart

Create a detailed Gantt Chart from your Task Listing(Use any software tool and paste the image or upload as a separate file that can be opened as pdf/doc/xls)



# 11. Milestones

Major Activity or Milestone	Estimated Milestone Target date	Owner/Reviewer Team Members
Assembling a project team	September 12 2022	All Team Members
Getting project plan approved	September 28 2022	All Team Members
Introductory Presentation	October 17 2022	All Team Members
Complete Project Vision	October 2 2022	All Team Members
Complete Project Plan	October 12 2022	All Team Members
Start development phase of the project.	January 7 2022	All Team Members
Finish all documents regarding project planning	December 2022	All Team Members
Producing key project deliverables	March 2023	All Team Members
Finish product presentation	March 2023	All Team Members
Project completion	March 31 2023	All Team Members

# 12. RAM – Responsibility Assignment Matrix

Project Team Responsibilities			
Project Name:		Jarvis Inventory System	
Project Team Lead:		Marie Vianca Pagaduan	
Task	Marie	Ellyn	Janine
Requirements gathering	P	S	S
Project planning and other deliverables	S	P	S
System analysis and design	P	S	S
System design, wireframe and prototype	S	P	S
System creation	P	S	S
Software testing	S	S	P
Documentation	P	S	S
Implementation and review	P	S	S
P = Primary S = Secondary			

## 13. Approval

The signatures below indicate their approval of the contents of this document.

Project Role	Name	Signature	Date
Lead Developer	Marie Vianca Pagaduan	Marie	10-21-2022
Developer	Ellyn Frances Bibon		10-21-2022
Developer	Janine Mae Usana		10-21-2022