

**COMPUTER ENGINEERING
INTRODUCTION TO SOFTWARE ENGINEERING
COE 356**

Simple Inventory Management Assistant

Garage97

A REPORT ON THE PREPARATORY REQUIREMENT FOR THE PROJECT

Introduction

Simplified Inventory Management Assistant is a system for business owners which seeks to improve the management of the finance of the business. This software is a web-based application and can be hosted on the Internet. It also provides a clean and user-friendly interface to the users.

Purpose

Simplified Inventory Management Assistant is an automated system for business inventory management.

Intended Audience

This software is primarily targeted towards small and medium sized businesses owned by students on campus and other businesses around campus with variety of products.

Intended Use

This software will help business owners monitor various sections of their businesses like sales, profit, losses, customers etc.

Survey

We went round asking various student business owners on campus about how they manage their businesses and also created a questionnaire (<https://forms.gle/sEns3BwLAaoYbdX59>) with Google Forms which we also sent around to speed up the process. A part of the team went around for personal interviews the owners.



A student owner who makes and sells wig accessories



After a personal interview with a student owner



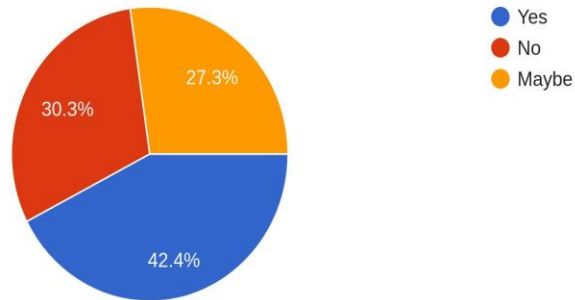
Interviewed a fruit seller on campus

Data Collected

We were able to generate some insights from the data collected from the forms which asserted the need for our application. Below are some the graphs that were generated from the report

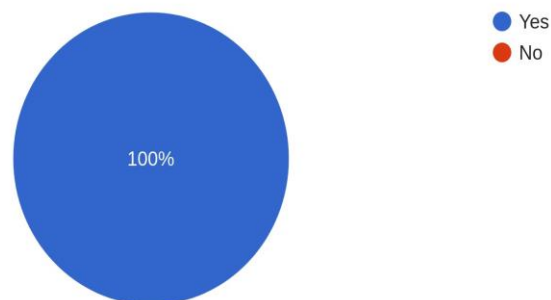
Is the process of keeping track of your business a tedious task?

33 responses



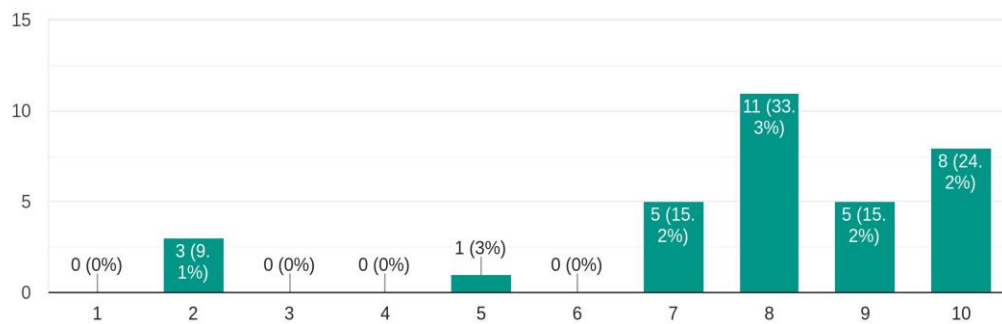
Would you be interested if software was built to manage all these for you?(Keeping track of sales, customers, profits and losses)

33 responses



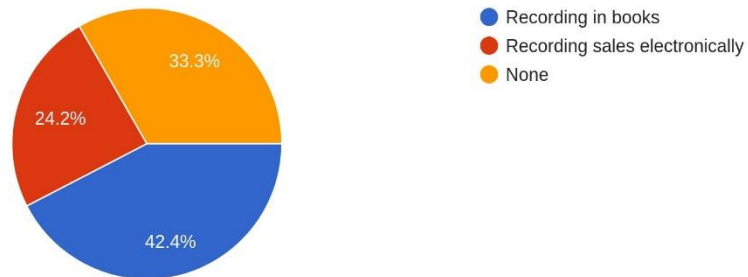
On a scale of 1(least) to 10(most), how comfortable would you feel if you use this software?

33 responses



How do you keep track of sales made?

33 responses



Data Interpretation

- Only 42.4% of respondents recorded their sales electronically
- Only 30.3% of respondents viewed the task of managing their business as not tedious
- 100% of the respondents were interested in using an app to manage their businesses
- About 82% of the respondents choose 7 and above (on a scale of 1 to 10) when asked if they would be comfortable using the application

Some features requested by respondents

- Daily target
- Customer name and contacts
- Fast application
- Loss and profit of entire stock sale
- Daily sales
- Weekly sales
- Total monthly sales

Appendix

Questionnaire distributed through online platforms to our targeted audience.

<https://forms.gle/sEns3BwLAaoYbdX59>

Inventory Management For Small & Medium Scale Businesses

A survey to find out how an inventory management for small & medium scale business with will help to make businesses better and more profitable

*** Required**

Are you a vendor ? *

☐ Yes

☐ No

Do you have multiple businesses? *

☐ Yes

☐ No

Do you sell multiple products? *

☐ Yes

☐ No

Do you know which product gives you the most profit? *

☐ Yes

☐ No

How is your profit calculated ? *

☐ Per product

☐ Entire stock

How do you keep track of sales made? *

☐ Recording in books

☐ Recording sales electronically

☐ None

☐ Other: _____

Do you keep track of your customers? *

☐ Yes

☐ No

☐ Maybe

Is the process of keeping track of your business a tedious task? *

☐ Yes

☐ No

☐ Maybe

Would you be interested if software was built to manage all these for you?
(Keeping track of sales, customers, profits and losses) *

☐ Yes

☐ No

What features would you like to be included in this software?

Your answer _____

On a scale of 1(least) to 10(most), how comfortable would you feel if you use this software? *

1 2 3 4 5 6 7 8 9 10

Not Comfortable ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Very Comfortable

Submit

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