



Student In Residence

Entrepreneurship



AGENDA

01 Introduction

Who am I and what is my background

02 Problem

Walkthrough of the inefficiencies found

03 Result Analysis

Explanation of solution and implementation

04 Reflection

What I learned from the residency



INTRODUCTION

- Third year Commerce student
- Passionate about strategy and consulting
- Wanted to expand my experience beyond the scope of business
- Biggest claim to fame involving science is that I was accepted into Queen's Engineering





IDENTIFIED INEFFICIENCIES

INVENTORY MANAGEMENT

Lack of streamlined procedure to ensure materials are ordered correctly

KNOWLEDGE GAP

Minimal on-boarding process for new PHD students to understand that menial lab procedures

TASK MANAGEMENT

Inconsistent software use, making it challenging to know what people were working on when

INVENTORY MANAGEMENT: Goals

- Consolidate order requests
- Track current order/deliveries
- Manage current inventory
- Create an easily accessible data base for materials information

SOLUTION: QUARTZY

Quartzy is an online lab management platform and scientific research supply marketplace. Quartzy features include collaborative order requests and supply tracking for labs and research groups, inventory management tools, and product quotes for price comparisons.



KNOWLEDGE GAP: GOALS

- Create a consolidated record of procedures used in lab
- Have detailed explanations of what procedures are used for, and how to execute them
- Easily updateable and accessible platform

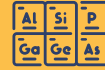


SOLUTION: LABSTEP

Labstep is an online tool for scientists, designed to improve work in scientific research environments. Labstep offers features that streamline research data documentation and knowledge transfer. With a cloud-based web app, it is pioneering technology for real-time scientific data recording, reducing researchers' time and effort and increasing productivity in the lab



KEY TAKEAWAYS



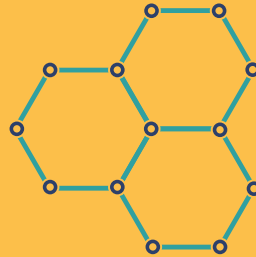
BROADENED SCOPE

SUCCESSFULLY IMPLEMENTED A SOLUTION WITHIN AN INDUSTRY BEYOND TRADITIONAL BUSINESS



PROJECT MANAGEMENT

HAD FULL AUTONOMY OF PROJECT FROM INITIAL RESEARCH TO IMPLEMENTATION



TANGIBLE SKILLS

WAS ABLE TO LEARN HOW TO UTILIZE A VARIETY OF NEW SOFTWARE