



Faculty of Science and Technology
420-436-VA | System Development

DELIVERABLE #1

Due Date:

Tuesday February 4th, 2025

Orange Team

Adlane Mohammed Amoura
Trevor Dallas-Mac Lellan
Moradi Seyedamirhossein

Client: Bulk Barn

Contact Name: Sabrina Saad

Signatures

We certify that this assignment is our own work

I, Adlane Mohammed Amoura, student ID #6227378, certify that i have contributed to this deliverable A-M-A

I, Trevor Dallas-Mac Lellan, student ID #2283304, certify that i have contributed to this deliverable T-D-M

STATEMENT

(Code from our E-Commerce class will be used for certain features of this project)

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EXECUTIVE OVERVIEW

For our project, we will be working closely with our client Sabrina Saad, who is a manager at a Bulk Barn franchise in the West Islands, to create an inventory manager and item code lookup for cashiers and employees. The current system in Bulk Barn stores is that there are hundreds of items sold in bulk, and each item is assigned a product ID which cashiers must either memorize or search on a large paper scroll containing all product codes to find the correct ID, which is a very slow and time consuming process and our client wants us to streamline and make the process more efficient by creating an electronic solution to more quickly track item statuses and search for product codes.

We will be meeting every Thursday during class from 8:30 AM to 11:30 AM as well as meeting during our agreed upon meeting times online on Saturdays at 7:00 PM until 8:00 PM. To facilitate our online meetings we will primarily be using Discord to communicate with each other as it allows us to very easily make calls and group chats as well as supports screen sharing during calls. Trevor Dallas-Mac Lellan will be the primary person in charge of communicating with our client and forwarding any questions and concerns coming from the rest of the team.

Our team will be using Microsoft Project to assign tasks and their deadlines to team members and we will be using GitHub as our code repository throughout the project.

CLIENT

Description:

Our client, Sabrina Saad, is a manager for a Bulk Barn franchise located in Pierrefonds where she has to manage employees as well as the daily operations of the store and has asked us to help streamline and make the checkout process for customers faster and more efficient.

Computer Skills and Literacy:

Our client does not possess much computer knowledge and is primarily knowledgeable in Excel. Because of the fact that our client is not very skillful, as well as the fact that our solution is intended to be used by an array of employees whose skill levels are unknown but should be assumed to be minimal, our program will have to be designed in a way that is intuitive and easy to use for all users, as well as making it easy for both native English and French speakers to navigate and use.

Description of Business Problem:

At Bulk Barn, hundreds of items are sold in bulk and priced by weight so to be able to charge customers the correct amount of money for each item, every product is assigned an ID number which the cashier must input correctly at the register to charge the customer. Since there are hundreds of items and codes, as well as rotating seasonal products, employees must memorize hundreds of product codes or search up items on a large piece of paper which is a very time consuming process, making checking out a very slow process especially when customers purchase dozens of products that all need to be looked up by the cashier. To solve this, our client wants us to create an electronic system which will allow employees at the register to search for products by name, category, tags, etc. and return a list of product codes instead of having to look them up on paper.

TEAM ORGANIZATION

Team Meetings:

Our weekly meetings will be at Vanier College during our System Development class. In the event we urgently need to discuss a certain part of the project, we have also allocated time for emergency virtual meetings which will be held optionally on Sundays or Saturdays from 7:00 PM till the matter is discussed via Discord.

Repositories:

Below is a link to our GitHub repository in which we will store everything related to our project, namely our code. In addition, we will also be storing the finalized versions of our deliverables, reports, and project plan in this repository.

<https://github.com/Adlane05/team-orange.git>

Team member git usernames:

Username	Name
Adlane05	Adlane Amoura
SDallasMacLellanTrevor	Trevor Dallas
	Moradi Seyedamirhossein

Tools:

For deliverable creation including this one we will be using google docs for its flexible and intuitive nature

For our project plan we will be using microsoft project since it is the tool recommended by the teacher and we are given access to it by the school

Communication Strategy:

Casual communication will be mostly done via instagram chats and discord. However discord will also be used for emergency meetings because of its intuitive features such as video calls and screen sharing

We will meet at Vanier College during our System Development class on Tuesdays from 12:00 to 14:00 and Thursdays from 8:30 to 11:30 when we are given class time to work on our project. In the event we urgently need to discuss a certain part of the project.

We have also allocated time for emergency virtual meetings which will be held optionally on Sundays or Saturdays from 7:00 PM till the matter is discussed via Discord.

We have established the following policies

Policy	Description
Mutual Respect	Team members will treat each other with respect and care and not let personal opinions get in the way of working as a team
Decision Making	Team decisions will be made after everyone in the team has come to an agreement and heard the perspectives of the other team members.
Updating The Team	Team members should share their accomplishments and work between meetings and what they've put under their personal journal so everyone is on the same page
Mutual Assistance	Team members should reach out and ask for help if they are ever stuck on a part of the project and are in need of assistance

Areas of Responsibility:

The minute-taker for each meeting will be Moradi Seyedamirhossein.

The point of contact with our client will be Trevor Dallas, because he is the most familiar with the client.

Most tasks and responsibilities will rotate among team members.

The SCRUM master for each deliverable will be the team leader for that same deliverable. However, the roles of minute-taker and point of contact will stay the same

For the final product we've already decided who will work on which task

Task	Name
Front-end	Adlane
Back-end	Trevor
Database	Moradi

Client Contact:

This role will remain for trevor and will not change based on the deliverable since he is the closest to the client

Reports:

The team leader will be responsible for ensuring that the necessary reports are prepared properly, and on time for each deliverable.

Deliverable	Team Leader
1 Project plan	Moradi/ Adlane
2 Client and business domain summaries, questionnaire	Trevor
3 User stories	Adlane
4 Use cases and UML Diagrams	Trevor
5 Database design	Moradi
6 Prototype UI and client comments	Adlane
7 Implementation and client comments	Trevor

Team Contact:

Below is how one could contact our team members

Name	Email	Phone #
Adlane Amoura	adlaneamoura15@gmail.com	514-294-5816
Trevor Dallas	maclellan.trevor@gmail.com	(438)-830-1478
Moradi Seyedamirhossein		

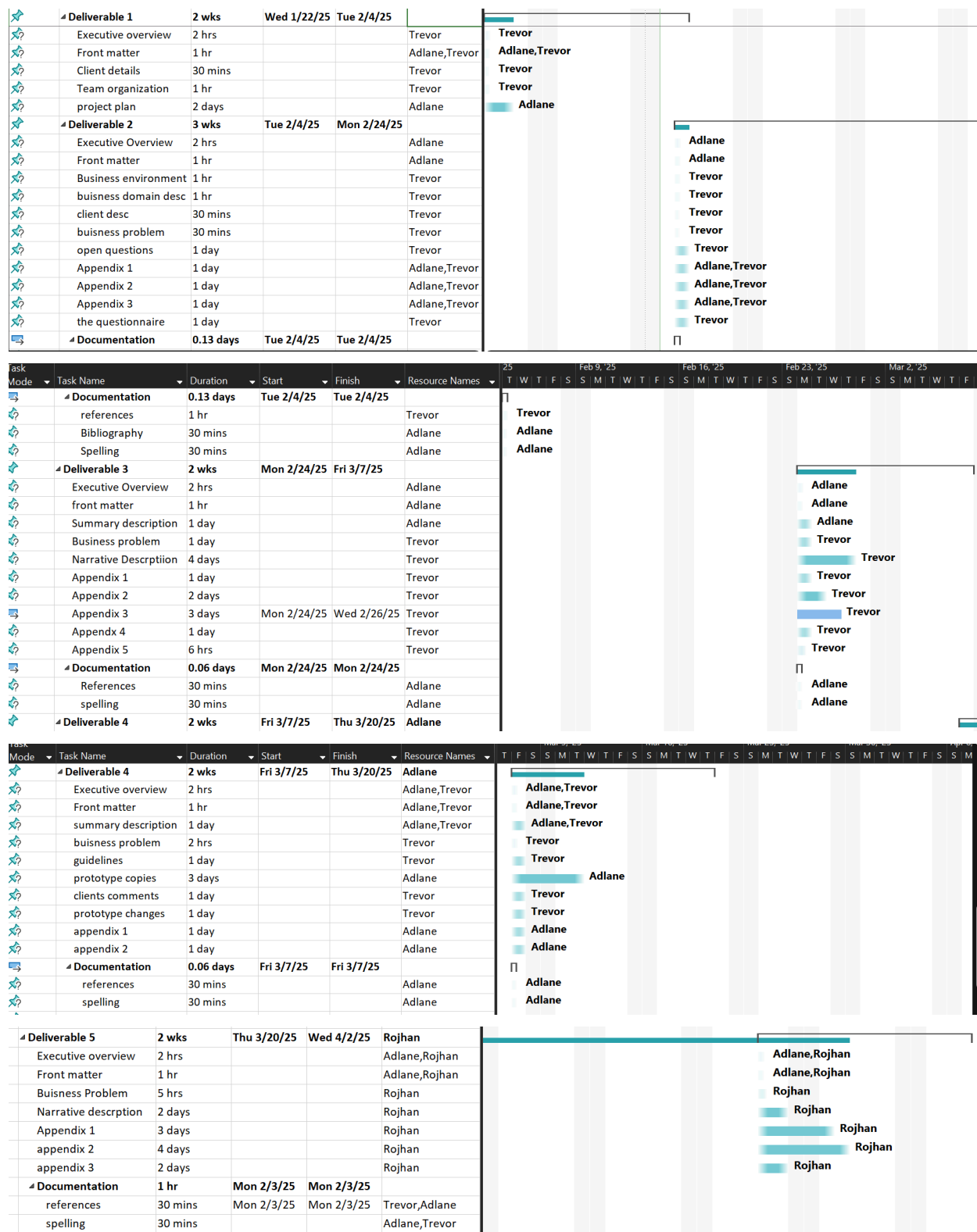
Project Plan

We have created a project plan based on the information that was given in the project instructions for all the deliverables. Even if we were unsure about what a task entailed, we trusted our instincts and assigned it to the team member who seemed most passionate or skilled in that area. All deadlines were made using the course outline. For example, since we know that deliverable 2 is supposed to be due three weeks after deliverable 1, we assumed that the deadline would be February 24th. We applied this logic with all deliverables to give us a time constraint that was both realistic and motivating for us.

When it came to non-repeated tasks, we went with whoever had the expertise to do it, for example someone who had a background in databases would work on most of deliverable 5. When thinking about the durations of each task, we went with a philosophy in mind: the higher the points for a task the longer time it would probably take. except if a team member thinks that they would need more time to complete a certain task, we also ensured that the amount of time it would take to finish the tasks is before the due date that way our schedules are more flexible in case we do need more time.

While we have assigned specific people to each task, we are open to change in case an unexpected situation occurs. Additionally, as mentioned previously, we currently don't know all the responsibilities assigned to each task. Therefore, once we are fully aware of what each task entails, then we'll be able to make informed decisions regarding who will complete which task.

However, to prevent an impromptu change from happening in the middle of the project, we will be re-confirming which team member is assigned to which task before beginning each deliverable. During this process, we will ensure that the distribution of tasks remains equal. After all team members' tasks have been confirmed, there will be no changes in responsibilities for the duration of the deliverable.



spelling	30 mins			Adlane,Trevor	
▸ Deliverable 6	4 wks	Wed 4/2/25	Tue 4/29/25		
executive overview	2 hrs			Adlane,Rojhan	Adlane,Rojhan
front matter	1 hr			Adlane,Rojhan	Adlane,Rojhan
summary description	2 hrs			Adlane,Rojhan	Adlane,Rojhan
revised summary narrative	5 hrs			Adlane,Trevor	Adlane,Trevor
client comments	1 hr			Adlane,Trevor	Adlane,Trevor
decisions discussion	3 hrs			Adlane,Rojhan,Tre	Adlane,Rojhan,Trevor
security measure	1 day			Adlane,Trevor	Adlane,Trevor
future work	3 days			Trevor	Trevor
appendix 1	3 days			Trevor	Trevor
appendix 2	2 days	Wed 4/2/25	Thu 4/3/25	Trevor	Trevor
appendix 3	2 days	Wed 4/2/25	Thu 4/3/25	Trevor	Trevor
▸ documentation		Wed 4/2/25			
references	30 mins			Adlane	Adlane
spelling	30 mins				