VANIER
CÉGEP / COLLEGE

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

DELIVERABLE #1

Due Date:
Saturday August 31, 2024

Red Team
Amir-Georges Haya
Douyon Sebastiampillai
Raeeba Rahman
Grechelle Marie Beatrix Uy

Client: Georges AMO
Contact Name: Georges Haya

SIGNATURES

We certify that this assignment is our own work.

I, **Amir-Georges Haya**, **student ID# 2286756**, certify that I have contributed to this deliverable, A-G-H

I, **Douyon Sebastiampillai**, **student ID# 1868261**, certify that I have contributed to this deliverable, D-S

I, **Grechelle Marie Beatrix Uy**, **student ID# 2295132**, certify that I have contributed to this deliverable, G-M-B-U

I, **Raeeba Rahman**, **student ID# 2281758**, certify that I have contributed to this deliverable, R-R

STATEMENT

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

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EXECUTIVE OVERVIEW

Our project is creating an **Inventory Manager** and **Material Calculator** for a client. Our client, **Georges Haya**, is the owner of a small **construction business** located in Laval. He renovates houses, and rooms or builds add-on rooms to a pre-existing home. To achieve this project, we will meet regularly every Thursday during our System Development class from 12:00 to 4:00 PM. In case that does not suffice, or if we have more things to discuss, we have also chosen to allocate a specific time for optional meetings. These will be held on Saturdays from 5:30 PM to 6:00 PM. We will be using Instagram to keep in touch and to make polls to vote on important subjects needed to progress. However, all call meetings will be done on Discord, since its call feature is superior to Instagram's and it allows us to share our screens with each other. Amir-Georges Haya will be responsible for relaying information from the client to the rest of the team.

Our team will use GitHub as our repository throughout the project to minimize the risk of data loss from a USB key. We will also use Jira to sort out tasks in order of priority and Microsoft Project to create our project plan. As demanded, a new team project leader will be assigned every deliverable. Tasks will be divided according to members' preferences and strengths, whether it be backend, frontend, or database work.

CLIENT

DESCRIPTION

Our client's name is Georges Haya. He runs a construction business called **Georges AMO**, in Laval, where he renovates and builds rooms from the ground up or does terrain adjustments. He has his own website called amoLinat where his clients are able to make submissions for a renovation project as well.

COMPUTER SKILLS AND LITERACY

The client has little computer knowledge. His computer skills are limited to Excel. Thus, it will be important for the program to be designed simply and intuitively. Although the client works with a partner, the client will be the primary user of the program for now, since his partner's computer literacy skills are very minimal. Though there is a chance other users could be added if the client hires more employees in the future.

DESCRIPTION OF BUSINESS PROBLEM

Our client's main issue is that all product item inventory is kept on an Excel sheet which can be exasperating to navigate through. He needs an online database system where he can efficiently see what is stored. He also needs a room calculator which he can use to see how much of a certain material he will need to cover a wall. The database and program need to be in French, since our client communicates solely in French.

TEAM ORGANIZATION

TEAM MEETINGS

Our **weekly meetings** will be **every Thursday from noon to 4:00 PM** 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 **Saturdays from 5:30 PM to 6:30 PM** via Discord.

See Team Logbook 1 for agenda content.

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.

GitHub repository link:
https://github.com/raeeba/Red-Team.git

Here are each team member's GitHub username:

USERNAME	NAME
raeeba	Raeeba Rahman
AmirGeorgesHaya	Amir-Georges Haya
ariem1	Grechelle Marie Beatrix Uy
Douyon248	Douyon Sebastiampillai

Moreover, we will use **Google Docs** to create our reports due to its convenience and accessibility compared to Microsoft Word. The latter's mandatory 2-factor authentication can make the login process more time-consuming, whereas, with Google Docs, the user is able to sign in quickly with simply their email address and password. Additionally, shared Google Docs files are easier to work on and access from various workstations compared to shared Microsoft Word files.

We find Google Docs' simultaneous collaboration feature to be very beneficial as it enhances efficiency by allowing multiple members to work on a file at the same time.

Below you will find a link to our **Google Docs** folder which contains our in-progress reports, team logbook, deliverables, and other important files. These files are also accessible via GitHub.

Google Docs folder link:
https://drive.google.com/drive/folders/1fLd992_T8PQbSQ0uM-neXQzSR-Ol6viU?usp=drive_link

Additionally, we will be using Jira to organize our tasks for each deliverable, as well as document the progress and owner of each task. Below you find a link to our **Jira** project:

Jira link:
https://sys-dev-red-team.atlassian.net/jira/software/projects/SCRUM/boards/1/timeline

Lastly, we will use **Microsoft Project** for our project plan.

COMMUNICATION STRATEGY

We will be communicating through **Instagram** and **Discord**. **Instagram** will be used for more **casual communication**, such as asking questions about our deliverable reports or informing the team of any new information that has come to light. **Discord**, however, will be primarily used for **emergency meetings** as its voice call and screen-sharing features make it ideal for this type of communication. For these purposes, we have created group chats on both Instagram and Discord.

We will meet synchronously during **System Development** class on **Tuesdays from 1:00 PM to 4:00 PM** and **Thursdays from noon to 4:00 PM** whenever we are given the time to work on the project in class.

For our optional meetings on **Saturdays**, we will use **Discord** to communicate **via call from 5:30 PM to 6:30 PM** from our homes.

The **policies** we have established are as follows:

POLICY	DESCRIPTION
Respect each team member.	Allow each member's opinions and ideas to be heard.
Team decisions must be made through votes, such as through polls via Instagram.	All team members are required to vote unless they explicitly state that they don't have a preference for personal reasons.
Prioritize teamwork.	Team members should ask for help if they are struggling, and other members must step in to assist.
Team members must follow the project plan.	Team members are expected to complete their assigned tasks on time, as per the project plan. If they are unable to do so, they must inform the other members or seek help if needed.
All team members are required to show up for scheduled meetings.	All team members are expected to be present at all scheduled meetings. In the event of an absence, a reason must be provided, and the other members must be informed.

AREAS OF RESPONSIBILITY

The **minute-takers** for each meeting will be Grechelle Marie Beatrix Uy and Raeeba Rahman.

The **main point of contact** with our client will be Amir-Georges Haya, as 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. For the task of team leader, the instructor will select the leader for the first deliverable, while the members will choose the leader for subsequent deliverables. However, the roles of **minute-taker** and **point of contact** will remain unchanged and will not rotate among

members. This consistency for the minute-taker role is crucial for maintaining cohesive and reliable meeting notes.

For the implementation of the final product, we have already chosen which member will work on each task. Below you will find the members assigned to each implementation task.

IMPLEMENTATION TASK	NAME
Back-end Development	Douyon Sebastiampillai
Front-end Development	Grechelle Marie Beatrix Uy & Raeeba Rahman
Database	Raeeba Rahman & Amir-Georges Haya

CLIENT CONTACT

The **point of contact** with the client for the duration of the project will be Amir-Georges Haya. We have decided not to change the point of contact during each deliverable as Amir-Georges Haya is in closer proximity to the client, as the client is his father. This will facilitate the easy attainment of project details and information.

REPORTS

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

Below you will find the team leaders for each deliverable.

DELIVERABLE #	TEAM LEADER
1 I Project plan	Amir-Georges Haya
2 I Client and business domain summaries, questionnaire	Amir-Georges Haya
3 I User stories	Douyon Sebastiampillai

4 I Use cases and UML Diagrams	Grechelle Marie Beatrix Uy
5 I Database design	Douyon Sebastiampillai
6 I Prototype UI and client comments	Raeeba Rahman
7 I Implementation and client comments	Raeeba Rahman

TEAM CONTACT INFORMATION

Below you will find each team member's name, email address, and phone number.

NAME	EMAIL	PHONE NUMBER
Amir-Georges Haya	amirgeorges.haya@hotmail.com	438-501-0341
Douyon Sebastiampillai	douyons@hotmail.com	514-755-9603
Raeeba Rahman	raeerahm@gmail.com	438-509-7960
Grechelle Marie Beatrix Uy	grechelleuy@yahoo.com	514-632-7356

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 September 19th. We applied this logic with all deliverables to give us a time constraint that was both realistic and motivating for us.

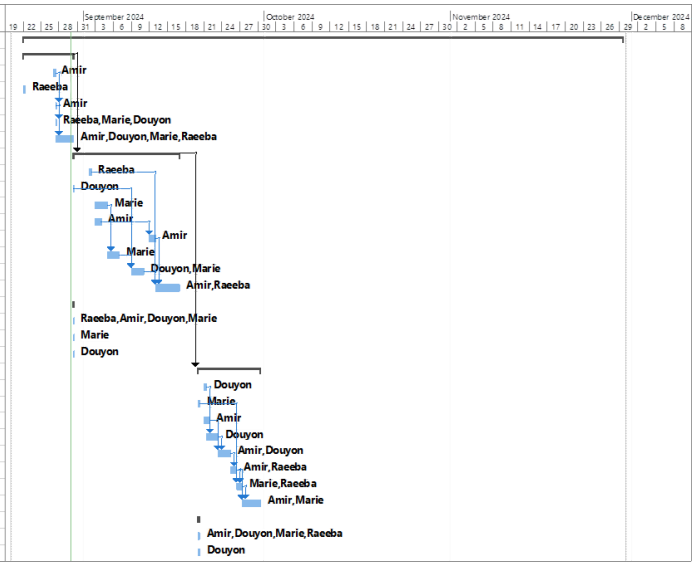
For repeated tasks done throughout multiple different deliverables, we thought it would be good to change the person responsible for that task. For example, every deliverable will have a different person assigned to complete the Executive Overview. Since we are four people working on a project with seven deliverables, some of us had to be assigned to this task more than once.

When it came to non-repeated tasks, we went with whoever wanted to do it. When thinking about the durations of each task, we went with a philosophy in mind: Appendix tasks will require days while every other task will be done in hours or minutes, except if a team member thinks that they would need more time to complete a certain task.

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.

ID	Task Mod	Task Name	Duration	Start	Finish	Predecessors
1		**Team Name**	**75.65 days**	**Thu 8/22/24**	**Fri 11/29/24**	
2		**Deliverable 1**	**6.31 days**	**Thu 8/22/24**	**Fri 8/30/24**	
3		Executive Overview	2 hrs	Tue 8/27/24	Tue 8/27/24	
4		Front matter	10 mins	Thu 8/22/24	Thu 8/22/24	
5		Client details	0.5 hrs	Tue 8/27/24	Tue 8/27/24	3
6		Team organization	2 hrs	Tue 8/27/24	Tue 8/27/24	3
7		Project plan	3 days	Tue 8/27/24	Fri 8/30/24	5
8		**Deliverable 2**	**11.69 days**	**Fri 8/30/24**	**Mon 9/16/24**	2
9		Executive Overview	2 hrs	Mon 9/2/24	Mon 9/2/24	
10		Front matter	10 mins	Fri 8/30/24	Fri 8/30/24	
11		Business environment	2 days	Tue 9/3/24	Wed 9/4/24	
12		Business domain description	1 day	Tue 9/3/24	Tue 9/3/24	
13		Client description	1 day	Thu 9/12/24	Thu 9/12/24	12
14		Business problem	2 days	Thu 9/5/24	Fri 9/6/24	11
15		Open Questions	2 days	Mon 9/9/24	Tue 9/10/24	14,10
16		The questionnaire	2 days	Fri 9/13/24	Mon 9/16/24	15,9,13
17		**Documentation**	**0.06 days**	**Fri 8/30/24**	**Fri 8/30/24**	
18		references	30 mins	Fri 8/30/24	Fri 8/30/24	
19		Bibliography	30 mins	Fri 8/30/24	Fri 8/30/24	
20		Spelling	30 mins	Fri 8/30/24	Fri 8/30/24	
21		**Deliverable 3**	**7.25 days**	**Fri 9/20/24**	**Mon 9/30/24**	8
22		Executive Overview	2 hrs	Sat 9/21/24	Sat 9/21/24	
23		front matter	10 mins	Fri 9/20/24	Fri 9/20/24	
24		Summary description	1 day	Sat 9/21/24	Sat 9/21/24	
25		Business problem	1 day	Sat 9/21/24	Mon 9/23/24	22
26		Narrative Description	2 days	Mon 9/23/24	Wed 9/25/24	25,24
27		Appendix 1	1 day	Wed 9/25/24	Thu 9/26/24	26
28		Appendix 2	1 day	Thu 9/26/24	Fri 9/27/24	23,27
29		Appendix 3	1 day	Fri 9/27/24	Mon 9/30/24	28,27
30		**Documentation**	**0.06 days**	**Fri 9/20/24**	**Fri 9/20/24**	
31		References	30 mins	Fri 9/20/24	Fri 9/20/24	
32		Spelling	30 mins	Fri 9/20/24	Fri 9/20/24	



ID	Task Mod	Task Name	Duration	Start	Finish	Predecessors
33		**Deliverable 4**	**18.25 days**	**Mon 9/30/24**	**Wed 10/23/24**	21
34		Executive overview	2 hrs	Fri 10/18/24	Fri 10/18/24	
35		Front matter	10 mins	Wed 10/2/24	Wed 10/2/24	
36		Summary Description	2 hrs	Thu 10/3/24	Thu 10/3/24	35
37		Business Problem	2 hrs	Thu 10/3/24	Thu 10/3/24	
38		Narrative Description	2 hrs	Fri 10/18/24	Fri 10/18/24	34
39		Appendix 1	1 day	Fri 10/18/24	Mon 10/21/24	36,38
40		Appendix 2	2 days	Fri 10/18/24	Tue 10/22/24	37,38
41		Appendix 3	1 day	Tue 10/22/24	Wed 10/23/24	40
42		Appendix 4	1 day	Mon 10/21/24	Tue 10/22/24	39
43		Appendix 5	1 hr	Tue 10/22/24	Tue 10/22/24	42
44		**Documentation**	**0.06 days**	**Mon 9/30/24**	**Mon 9/30/24**	
45		references	30 mins	Mon 9/30/24	Mon 9/30/24	
46		spelling	30 mins	Mon 9/30/24	Mon 9/30/24	
47		**Deliverable 5**	**10.5 days**	**Wed 10/23/24**	**Mon 11/4/24**	33
48		Executive Overview	2 hrs	Wed 10/23/24	Wed 10/23/24	
49		Front matter	10 mins	Wed 10/23/24	Wed 10/23/24	
50		Business Problem	3 hrs	Thu 10/24/24	Thu 10/24/24	
51		Narrative Description	2 hrs	Thu 10/24/24	Thu 10/24/24	48
52		Appendix 1	6 hrs	Mon 10/28/24	Mon 10/28/24	51
53		Appendix 2	1 day	Fri 11/1/24	Fri 11/1/24	49,50,52
54		Appendix 3	1 day	Sat 11/2/24	Sat 11/2/24	51,53
55		Appendix 4	1 day	Mon 11/4/24	Mon 11/4/24	54
56		**Documentation**	**0.06 days**	**Wed 10/23/24**	**Wed 10/23/24**	
57		references	30 mins	Wed 10/23/24	Wed 10/23/24	
58		spelling	30 mins	Wed 10/23/24	Wed 10/23/24	
59		**Deliverable 6**	**12 days**	**Tue 11/5/24**	**Wed 11/20/24**	47
60		Executive overview	3 hrs	Mon 11/11/24	Mon 11/11/24	
61		front matter	10 mins	Mon 11/11/24	Mon 11/11/24	
62		Business problem	1 day	Mon 11/11/24	Mon 11/11/24	
63		10 usability guidelines being followed	2 days	Tue 11/12/24	Wed 11/13/24	62,61
64		copies of prototype	2 days	Mon 11/11/24	Wed 11/13/24	60
65		client comment	1 day	Thu 11/14/24	Thu 11/14/24	63,64
66		changes in prototype	3 days	Fri 11/15/24	Tue 11/19/24	65
67		appendix 1	1 day	Wed 11/20/24	Wed 11/20/24	66
68		appendix 2	1 day	Wed 11/20/24	Wed 11/20/24	66
69		**Documentation**	**0.06 days**	**Tue 11/5/24**	**Tue 11/5/24**	
70		references	30 mins	Tue 11/5/24	Tue 11/5/24	
71		spelling	30 mins	Tue 11/5/24	Tue 11/5/24	
72		**Deliverable 7**	**6.65 days**	**Thu 11/21/24**	**Fri 11/29/24**	59
73		Executive overview	3 hrs	Thu 11/21/24	Thu 11/21/24	
74		front matter	10 mins	Fri 11/22/24	Fri 11/22/24	
75		Summary description	2 hrs	Thu 11/21/24	Thu 11/21/24	
76		Revised summary narrative	3 hrs	Thu 11/21/24	Thu 11/21/24	
77		client comments	3 hrs	Thu 11/21/24	Thu 11/21/24	76
78		decisions discussion	1 day	Fri 11/22/24	Mon 11/25/24	76,74,73,75
79		security messure	2 hrs	Mon 11/25/24	Mon 11/25/24	78
80		future work	3 hrs	Mon 11/25/24	Mon 11/25/24	79,78
81		Appendix 1	2 days	Mon 11/25/24	Wed 11/27/24	80
82		Appendix 2	2 days	Wed 11/27/24	Fri 11/29/24	80,81
83		Appendix 3	2 days	Mon 11/25/24	Wed 11/27/24	80
84		**Documentation**	**0.06 days**	**Thu 11/21/24**	**Thu 11/21/24**	
85		references	30 mins	Thu 11/21/24	Thu 11/21/24	
86		Spelling	30 mins	Thu 11/21/24	Thu 11/21/24