In partial fulfillment of the requirement for
System Development
420-940-VA section 05808
Vanier College

Project plan

1st Deliverable

Customer Name:
Delhi Kabab

Team Name:
Green Team

Team Leader:
Lei Wang

Team members:
We certify that we have contributed to this deliverable:

Lei Wang, ID: 2295046

Bing Bai, student ID# 2295011

Shayekh Tarafdar, student ID# 2295035

Md Ibrahim Ullah, student ID# 2295025

Bermet Doolbekova, student ID# 2295017

Mark Benedict Muyot, student ID# 2295022

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1. INTRODUCTION

In the previous blocs, our team have experienced working with database-related project. We were able to use Microsoft Server Management Studio in designing and managing our database for our car rental project. We also dealt with HTML, CSS, and some JavaScript functions in building our own personal website. Some members experienced applying Java Swing in creating graphical user interface for their airplane manufacturing simulation program. Another team member successfully used Apache Maven and Spring Boot framework in his online grocery store. While others were able built a hotel reservation system and their own web search engine.

In this block, we will be working with web services and C# related projects. We will be dealing with APIs and building desktop applications.

In order for our team to build a robust and efficient system for our prospective client, we will be considering all the concepts and resources applied from our earlier projects as well as the new concepts that we will be learning from the two other subjects.

Projects Made	Tools Used	Contributor/s
Cars2Go Database	Microsoft SQL Server	All team members
Personal Website	HTML, CSS and Java Script	All team members
Simulation program	Java and Java Swing	Ibrahim and Mark
Online Grocery	Java, Spring Boot Framework, and Apache Maven	Bing Bai
Web Search Engine	Java	Shayekh
Hotel Reservation System	Java	Lei and Bermet

2. EXECUTIVE OVERVIEW

In the first part of the deliverable the team was able to collaborate well in finding a suitable client for this project. After days of doing prospecting and cold calls, the team was able to narrow down their list of potential clients and got the approval from their professor.

The team was able to collect preliminary information from the client which is helpful in identifying client's background and analyzing their needs.

In this deliverable, the team was also able to create a structure on how to work collaboratively. They were able to schedule a regular team meeting each week and set up repositories for saving their work using GitHub and Microsoft Teams. The team also agreed on the areas of responsibility of each team leader. All information on the structure of how the team will work can be found in their team organization.

In the final part of this deliverable, we included a project plan in the form of a Gantt chart and WBS. The team carefully analyzed how to break down, schedule, and allocate all resources for all the tasks in order to submit all deliverables on time. This chart will serve as a guide in managing and monitoring all tasks that is needed for the completion of this project. The team used Project Libre as their tool for creating their WBS and Gantt chart. The team exerted lot efforts in studying how to create a Gantt chart and manually compute slack to determine the critical path (Path, 2020).

The team also included citations for the sources they consulted and appendices for supporting documents.

3. CLIENT'S BACKGROUND

3.1 Description

The team was able to qualify Delhi Kabab, a small Indian restaurant, as our client for this project. Delhi Kabab is a cozy, sit-down restaurant plating tandoori chicken, spicy curries, and traditional Indian dishes (Delhi Kebab, n.d.). This fine Indian cuisine also serves variety of French food and various delicious desserts. The business is being operated by two partners with 6 employees. This business has been operating for more than 5 years and is located in Brossard. In this project, the two owners will be the one who are going to handle the proposed system. They are very hands on in managing the restaurant.

3.2 Computer Skills and Literacy

The owners have the ability to perform basic tasks on the computer. This includes navigating browser, operating system, and using some applications. For the past 5 years, the owners use Windows Operating System and Microsoft Excel in keeping track of work schedules and employees' salaries.

3.3 Business Problem

Since it is a small business, the two partners are using notepad to list necessary items to be ordered such as ingredients for their food preparations, cleaning items, toilet supplies etc. As per the client, they often lose their list and sometimes forget to update their Excel monitoring sheet for the ordered items. Keeping records in such way produces inconsistencies in their inventory system. This unsecured system also gives way to pilferage. These problems are hampering their business reputation as well as profits. They are more than happy to collaborate with us to solve this inventory management issue.

4. TEAM ORGANIZATION

4.1 Meeting Schedule & Communication Strategy

Our team will hold a regular meeting every Tuesday from 2:00 PM to 4:00 PM on Microsoft Teams. We will have a synchronous meeting during that time. An emergency meeting can also be held to handle any unforeseen events that call for quick action this is in addition to the regularly scheduled meeting, as agreed upon by all members. Meeting outside will be reserved for client visitation and interview. A sample team agenda is also attached in this project (**see Appendix A**).

4.2 Repositories

For this project, we will be using Microsoft Teams and GitHub as a remote repository for our project. In this way we can easily collaborate and share our work in a well organized and secured manner. We also set out repository to have two reviewers to avoid any merge conflicts. Our GitHub can be accessed thru this link, https://github.com/MdIbrahimUllah/https---github.com-VanierGreenTeam2022-GreenTeam.

4.3 Areas of Responsibilities

Each team member is required to have a participation in all deliverables. The team leader for each deliverable will facilitate the meeting. The primary role of the team leader is to oversee all activities within the scope of the assigned deliverable to him/her. All members of the team will have the chance to become a team leader. Assigned Team leader will make sure that all tasks and deadlines will be met **(see Appendix B)**.

Each member will have the chance to communicate with the client. Each deliverable we assigned different team members to coordinate with our customer **(see Appendix B)**.

4.4 Reports

Two team members will examine and proofread the report before submitting to look for errors, determine whether any tasks were not met, and ensure the document is formatted according to APA standards. The team leader for that deliverable will be the last person to examine the document before submitting it to the professor **(see Appendix B)**.

4.5 Contact Information

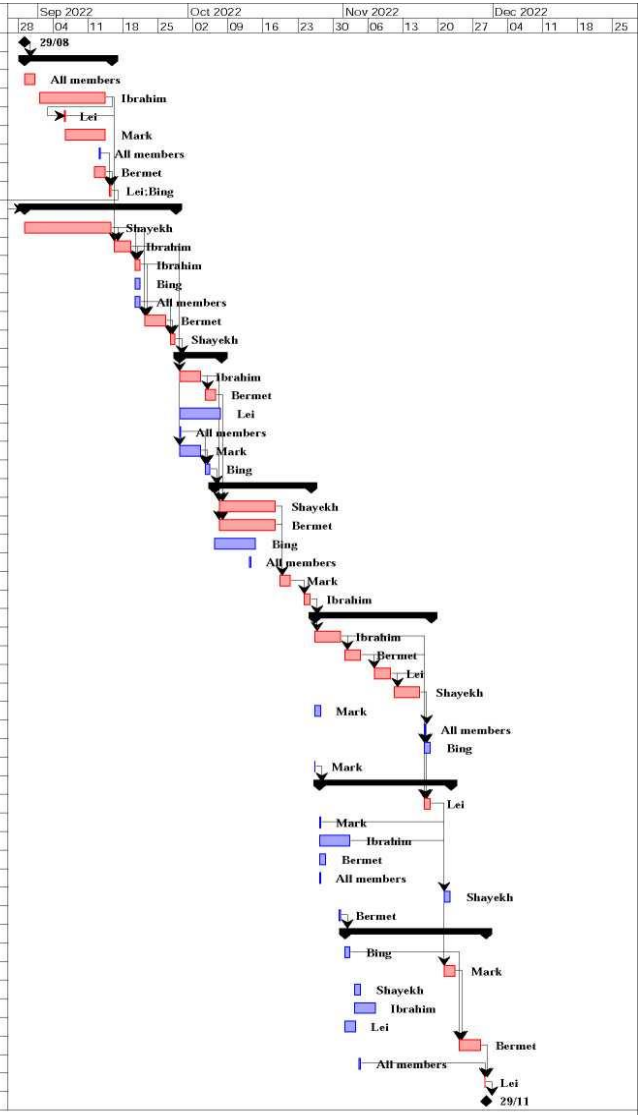
We also included client and team members' contact information to establish and ensure proper communication.

Client	Contact Number	Email	Website
Delhi Kabab	450-678-6535	reservations@delhikabab.com	https://www.delhikabab.com/

Team Members	Contact Number	Email
Lei Wang	1(514)691-9201	2295046@edu.vaniercollege.qc.ca
Bing Bai	1(514)291-9881	2295011@edu.vaniercollege.qc.ca
Shayekh Tarafdar	1(514)242-6591	2295035@edu.vaniercollege.qc.ca
Bermet Doolbekova	1(514)663-2212	2295017@edu.vaniercollege.qc.ca
Md Ibrahim Ullah	1(514)931-4650	2295025@edu.vaniercollege.qc.ca
Mark Benedict Muyot	1(438)490-5111	2295022@edu.vaniercollege.qc.ca

5. PROJECT PLAN

	Name	Explanation	Duration	Start	Finish	Predecessors	Resource Names
1	Start		0 days	29/08/22 8:00 AM	29/08/22 8:00 AM		
2	**Phase 1 Project Plan**		**14 days?**	**29/08/22 8:00 AM**	**15/09/22 5:00 PM**	**1**	
3	Approach potential clients	Do prospecting (as many as we can)	2.6 days?	29/08/22 8:00 AM	31/08/22 1:48 PM		All members
4	Identify the most suitable client (...	Narrow down our list of qualified p...	10 days?	01/09/22 8:00 AM	14/09/22 5:00 PM		Ibrahim
5	Discuss and get approval from tea...	Present final list	0 days?	06/09/22 8:00 AM	06/09/22 8:00 AM	4	Lei
6	Team log (After every Tuesday m...	A member will record each meeting	7 days?	06/09/22 8:00 AM	14/09/22 5:00 PM		Mark
7	Peer evaluation	Do evaluation for each member of...	0.167 days?	13/09/22 8:00 AM	13/09/22 9:20 AM		All members
8	Project plan writing	Do deliverable 1 requirements in pdf	3 days?	12/09/22 8:00 AM	14/09/22 5:00 PM		Bermet
9	Deliverable 1 review & submit	Do final review then submit	1 day?	15/09/22 8:00 AM	15/09/22 5:00 PM	7;8	Lei;Bing
10	**Phase 2 Client and business do...**		**23 days?**	**29/08/22 8:00 AM**	**28/09/22 5:00 PM**	**9**	
11	Research on business domain and...	Have an indepth knolwedge of the...	14 days?	29/08/22 8:00 AM	15/09/22 5:00 PM		Shayekh
12	Design quetionnaire	Prepare the right questions to ask	2 days?	16/09/22 8:00 AM	19/09/22 5:00 PM	4;5;11	Ibrahim
13	Analyze and identify business pro...	Do in depth analysis and identify n...	2 days?	20/09/22 8:00 AM	21/09/22 5:00 PM	11;12	Ibrahim
14	Team log (After every Tuesday m...	A member will record each meeting	2 days?	20/09/22 8:00 AM	21/09/22 5:00 PM		Bing
15	Peer evaluation	Do evaluation for each member of...	2 days?	20/09/22 8:00 AM	21/09/22 5:00 PM		All members
16	Writing report	Do deliverable 2 requirements in pdf	3 days?	22/09/22 8:00 AM	26/09/22 5:00 PM	11;12;13	Bermet
17	Deliverable 2 review & submit	Do final review then submit	2 days?	27/09/22 8:00 AM	28/09/22 5:00 PM	16;15	Shayekh
18	**Phase 3 Analysis - Use cases, U...**		**7 days?**	**29/09/22 8:00 AM**	**07/10/22 5:00 PM**	**17**	
19	Interview, collecting data from cli...	Identify client's objectives	3 days?	29/09/22 8:00 AM	03/10/22 5:00 PM	12;13	Ibrahim
20	Analyze and build UML model	Based on their current system	3 days?	04/10/22 8:00 AM	06/10/22 5:00 PM	19	Bermet
21	Team log (After every Tuesday m...	A member will record each meeting	7 days?	29/09/22 8:00 AM	07/10/22 5:00 PM		Lei
22	Peer evaluation	Do evaluation for each member of...	1 day?	29/09/22 8:00 AM	29/09/22 5:00 PM		All members
23	Writing report	Do deliverable 3 requirements in pdf	3 days?	29/09/22 8:00 AM	03/10/22 5:00 PM	12;13	Mark
24	Deliveralble 3 review & submit	Do final review then submit	2 days?	04/10/22 8:00 AM	05/10/22 5:00 PM	22;23	Bing
25	**Phase 4 Requirements - User s...**		**14 days?**	**06/10/22 8:00 AM**	**25/10/22 5:00 PM**	**24**	
26	Meeting clients to prduce user sto...	Collect atleast 30 user stories	8 days?	07/10/22 8:00 AM	18/10/22 5:00 PM	19;20	Shayekh
27	Update business problems & goals...	Update based on user stories	8 days?	07/10/22 8:00 AM	18/10/22 5:00 PM	19;20	Bermet
28	Team log (After every Tuesday m...	A member will record each meeting	7 days?	06/10/22 8:00 AM	14/10/22 5:00 PM		Bing
29	Peer evaluation	Do evaluation for each member of...	1 day?	13/10/22 8:00 AM	13/10/22 5:00 PM		All members
30	Writing report	Do deliverable 4 requirements in pdf	3 days?	19/10/22 8:00 AM	21/10/22 5:00 PM	26;27	Mark
31	Deliveralble 4 review & submit	Do final review then submit	2 days?	24/10/22 8:00 AM	25/10/22 5:00 PM	30	Ibrahim
32	**Phase 5 Prototype User Interfa...**		**18 days?**	**26/10/22 8:00 AM**	**18/11/22 5:00 PM**	**31**	
33	User interface prototype dicussio...	Show mock up designs to client	4 days?	26/10/22 8:00 AM	31/10/22 5:00 PM	31	Ibrahim
34	Complete computer drawn protot...	finalized user interface design	4 days?	01/11/22 8:00 AM	04/11/22 5:00 PM	33	Bermet
35	Update user stories and tests	update and test the prototype	4 days?	07/11/22 8:00 AM	10/11/22 5:00 PM	34	Lei
36	Revised story maps	Do revision if necessary	4 days?	11/11/22 8:00 AM	16/11/22 5:00 PM	35	Shayekh
37	Team log (After every Tuesday m...	A member will record each meeting	2 days?	26/10/22 8:00 AM	27/10/22 5:00 PM		Mark
38	Peer evaluation	Do evaluation for each member of...	1 day?	17/11/22 8:00 AM	17/11/22 5:00 PM	36	All members
39	Report writing	Do deliverable 5 requirements in pdf	2 days?	17/11/22 8:00 AM	18/11/22 5:00 PM	33;34;35;36	Bing
40	Deliveralble 5 review & submit	Do final review then submit	1 day?	26/10/22 8:00 AM	26/10/22 5:00 PM		Mark
41	**Phase 6 DB design**		**19 days?**	**27/10/22 8:00 AM**	**22/11/22 5:00 PM**	**40**	
42	Produce ERD	Create database design	2 days?	17/11/22 8:00 AM	18/11/22 5:00 PM	33;34;35;36	Lei
43	Determine techical spec of DBMS	Determine the size and requireme...	1 day?	27/10/22 8:00 AM	27/10/22 5:00 PM		Mark
44	Collect client feedback	Ask feedback and revise if necess...	5 days?	27/10/22 8:00 AM	02/11/22 5:00 PM		Ibrahim
45	Team log (After every Tuesday m...	A member will record each meeting	2 days?	27/10/22 8:00 AM	28/10/22 5:00 PM		Bermet
46	Peer evaluation	Do evaluation for each member of...	1 day?	27/10/22 8:00 AM	27/10/22 5:00 PM		All members
47	Report writing	Do deliverable 6 requirements in pdf	2 days?	21/11/22 8:00 AM	22/11/22 5:00 PM	42;43	Shayekh
48	Deliveralble 6 review & submt	Do final review then submit	1 day?	31/10/22 8:00 AM	31/10/22 5:00 PM		Bermet
49	**Phase 7 Implementation and cl...**		**20.875 da...**	**01/11/22 8:00 AM**	**29/11/22 4:00 PM**	**48**	
50	Creat a user guide	Create a manual on how to use th...	2 days?	01/11/22 8:00 AM	02/11/22 5:00 PM		Bing
51	Implement database design	Apply database design in the app	3 days?	21/11/22 8:00 AM	23/11/22 5:00 PM	42;43;44	Mark
52	Testing	Debug and refactor the app	2 days?	03/11/22 8:00 AM	04/11/22 5:00 PM		Shayekh
53	Present implementation to client	Present running app to customer	3 days?	03/11/22 8:00 AM	07/11/22 5:00 PM		Ibrahim
54	Team log (After every Tuesday m...	A member will record each meeting	3 days?	01/11/22 8:00 AM	03/11/22 5:00 PM		Lei
55	Report writing	Do deliverable 7 requirements in pdf	3 days?	24/11/22 8:00 AM	28/11/22 5:00 PM	50;51	Bermet
56	Peer evaluation	Do evaluation for each member of...	1 day?	04/11/22 8:00 AM	04/11/22 5:00 PM		All members
57	Deliveralble 7 review & submit	Do final review then submit	0.875 days?	29/11/22 8:00 AM	29/11/22 4:00 PM	55;56	Lei
58	End		0 days	29/11/22 4:00 PM	29/11/22 4:00 PM	57	



SysDev

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7. APPENDIX A

SAMPLE TEAM AGENDA

Date | *time* 9/1/2022 12:00 AM| *Location* Teams online

Meeting called by	Prof. Julian Lebensold	Attendees [Attendees] Bing Bai Lei Wang Bermet Doolbekova Ibrahim Ullah Shayekh Tarafdar Mark Benedict Muyot
Type of meeting	Preparation for 1st deliverable/ getting to know teammates/ assigning tasks	
Facilitator	Lei Wang	
Note taker	Mark Benedict Muyot	Please read [Please read] Deliverables and deadlines Please bring [Please bring]
Timekeeper	Shayekh Tarafdar	

Agenda Items

Topic		Presenter	Time allotted
☑	Getting to know team members	All	30mins
☑	Discussed project ideas and went through deliverables	All	30mins
☑	Discussed Potential clients	All	1hr:00 mins
☑	Break	none	30 mins
☑	Went through deliverable one and assigned the tasks	Mark	30 mins
☑	Finalized Team Journal	Shayekh	30 mins

Other Information

Resources [Resources]
-PDF files from professor
Special notes [Special notes]
-Ibrahim created a Git repository
-Bing will create a Gantt chart
-Bermet collected contact information

8. APPENDIX B

TEAM LEADER, CLIENT'S CONTACT, & REPORT CHECKER ASSIGNMENT

Deliverable	Client's Contact	Team Leader/ Report Checker	Deadline
1-PROJECT PLAN	Ibrahim	LEI	16-Sep
2- CLIENT & BUSINESS DOMAIN, SUMMARIES AND QUESTIONNAIRES	Ibrahim	SHAYEKH	23-Sep
3- ANALYSIS- USE CASES, UML DIAGRAMS	Mark	BING	30-Sep
4-REQUIREMENTS- USER STORIES	Shayekh	IBRAHIM	14-Oct
5-PROTOTYPE USER INTERFACE	Bing	MARK	24-Oct
6-DB DESIGN	Lei	BERMET	31-Oct
7-IMPLEMENTATION AND CLIENT COMMENTS	Bermet	LEI	09-Nov