

Conestoga College – SET

Milestone 2

TMS Project

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April 13th, 2020

Software Quality

(SENG2020)

Version History

Revisions	Date	Description of change	By
1.0	2020/10/20	Initial commit	Isaiah Andrews
1.2	2020/10/21	Created project charter, readiness checklist, and WBS	Tommy Ngo, Isaiah Andrews, Jaydan Zabar, Taimoor Salam
1.3	2020/10/22	Created all diagrams	Tommy Ngo, Isaiah Andrews, Jaydan Zabar, Taimoor Salam
1.4	2020/10/23	Final revision	Tommy Ngo

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Project Charter

Project Title: Omnicorp Shipping Handling and Transportation (OSH!T) Prototype

Project Start Date: September 8th, 2020

Project Finish Date: December 7th, 2020

Project Purpose and Justification

The TMS solution prototype is a simple to use system that allows users to manage their order creations, management inquiries and billing processes. The purpose of this system is to allow users to easily access and manage the information being passed along the company's databases in order for all data to be organized and easily attainable.

Context and Scope

Major Points of Functionality:

- Users should be able to call for, take and then plans orders from the Contract MarketPlace
- Planning an order requires that the requested cargo be assigned to one or more available Carriers
- Carriers provide the Trips necessary to deliver Orders to their destination
- Once scheduled, the TMS can simulate the passage of time allowing for updates on the Carrier's trucks to be requested from the Carrier Update System
- Once Orders are complete the TMS system will compute the final bill for the Customer, and post the invoice to the accounts system

Measurable Goals

- We will follow the popular S.M.A.R.T rule in order to create and accomplish our goals
 - S - Must have **Simplistic** and specific goals
 - M - Must be **Measurable** and can provide evidence of completion
 - A - Must be **Achievable**, realistic, and can be done
 - R - Must be **Relevant** and highly ties to overall development
 - T - Must be **Time-bound** and should be linked to a timeframe that is realistic and practical

Project Risk and Success Factors

Project Risks:

- Not confident in the creation of databases due to lack of experience with MySQL
- Lack of portability as the system will be created only as a WPF Application

Success Factors:



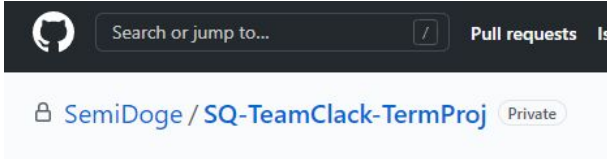
- Team is confident with the use of C# and creation of WPF GUI Applications

Project Organization – Team Clack

Team Member	Role	Code Area	Contact Information
Tommy Ngo	Project Mgr	DAL	tngo8332@conestogac.on.ca
Taimoor Salam	Communication Mgr	UI	tsalam7246@conestogac.on.ca
Jaydan Zabar	Quality Mgr	UI	jzabar9086@conestogac.on.ca
Isaiah Andrews	Product Mgr	DAL	iandrews4035@conestogac.on.ca
Instructor	Akrem El-Ghazal	PROF	aelghazal@conestogac.on.ca

Sign-off: Signatures are provided by the names above.

Readiness Checklist

Target	Proof of Completion	Date Completed
Team has reviewed TMS Req's		October 21st, 2020
Team has a Project Documentation Repository	<p>Within our Git Repository, we have created a folder to contain all of our documentation.</p> 	October 20th, 2020
Day 0 Code Project setup in GitHub	 <p>SemiDodge is the username of Isaiah Andrews.</p>	October 20th, 2020
Team has assigned M2 diagrams to different members of the team. This just pertains to assignment of work, not its completion (that's what the M2 delivery date is all about)	<p>Sequence Diagram - Jaydan Zabar</p> <p>Use Case Diagram - Tommy Ngo</p> <p>Schema Diagram - Taimoor Salam</p> <p>Class Diagram - Isaiah Andrews</p>	October 22nd, 2020

Work Breakdown Structure

ID	Task Name	Duration	Start	Finish	Predecessors
1	SQ Term Project	60 days	Mon 20-10-05	Sun 20-12-27	
2	1.0 Initiating	1 day	Mon 20-10-05	Mon 20-10-05	
3	1.1 Have Initial Meeting	1 day	Mon 20-10-05	Mon 20-10-05	
4	2.0 Planning	2 days	Mon 20-10-12	Tue 20-10-13	
5	2.1 Prepare Weekly Schedule	1 day	Tue 20-10-06	Tue 20-10-06	3
6	2.2 Prepare Scope	1 day	Tue 20-10-06	Tue 20-10-06	3
7	3.0 Executing	51 days	Mon 20-10-19	Sun 20-12-27	
8	3.1 Work on Milestone #1	5 days	Mon 20-10-12	Fri 20-10-16	
9	3.1.1 Complete Team Contract	5 days	Wed 20-10-07	Tue 20-10-13	6
10	3.2 Work on Milestone #2	5 days	Mon 20-10-19	Fri 20-10-23	
11	3.2.1 Complete Project Charter Document	1 day	Wed 20-10-07	Wed 20-10-07	6
12	3.2.2 Complete Readiness Checklist	1 day	Wed 20-10-07	Wed 20-10-07	6
13	3.2.3 Complete Work Breakdown Structure	1 day	Wed 20-10-07	Wed 20-10-07	6
14	3.2.4 Complete Sequence Diagram	1 day	Wed 20-10-07	Wed 20-10-07	6
15	3.2.5 Complete Use Case Diagram	1 day	Wed 20-10-07	Wed 20-10-07	6
16	3.2.6 Complete Schema Diagram	1 day	Wed 20-10-07	Wed 20-10-07	6
17	3.2.7 Complete Class Diagram	1 day	Wed 20-10-07	Wed 20-10-07	6

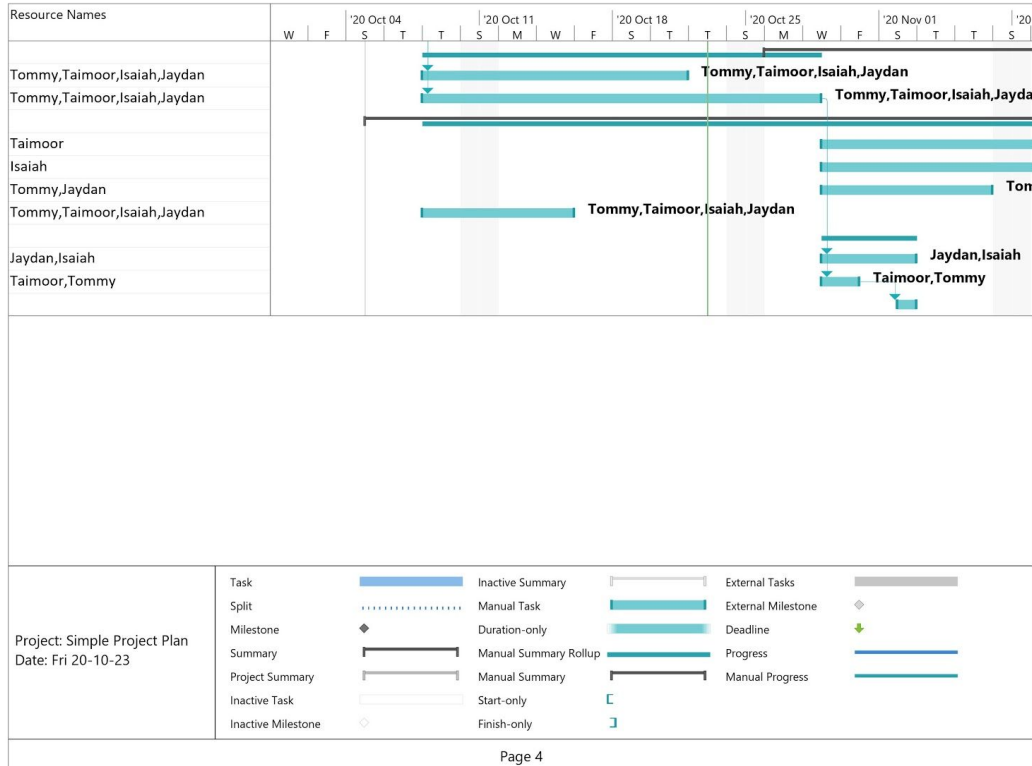
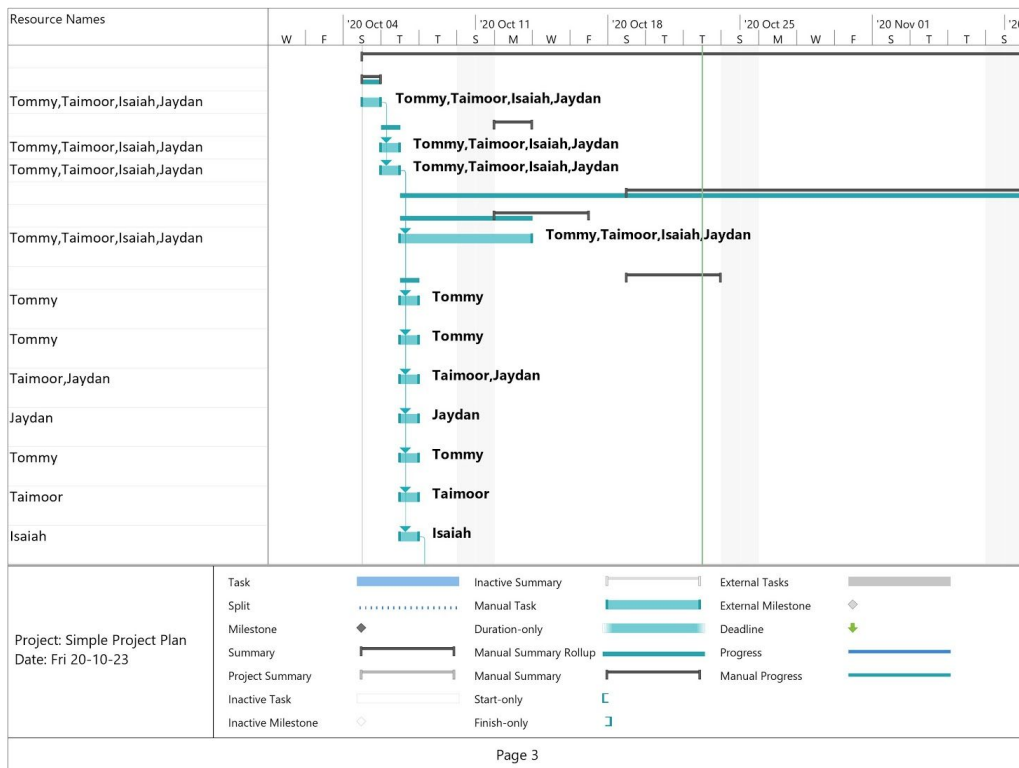
Project: Simple Project Plan Date: Fri 20-10-23	Task		Inactive Summary		External Tasks	
	Split		Manual Task		External Milestone	
	Milestone		Duration-only		Deadline	
	Summary		Manual Summary Rollup		Progress	
	Project Summary		Manual Summary		Manual Progress	
	Inactive Task		Start-only			
	Inactive Milestone		Finish-only			

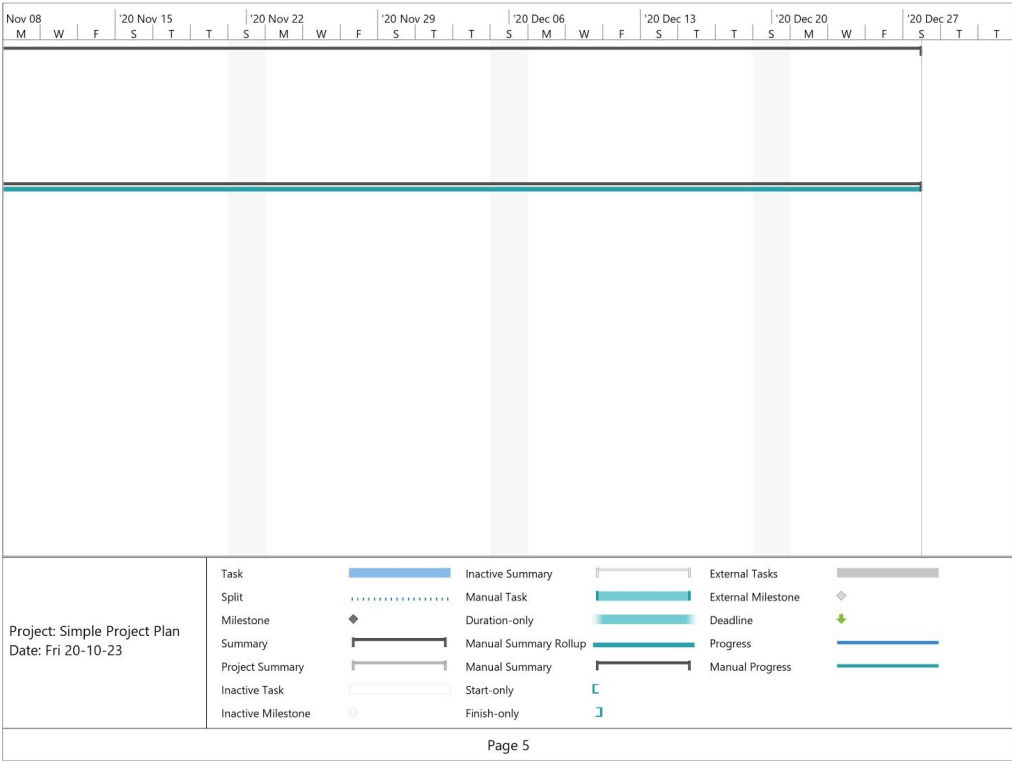
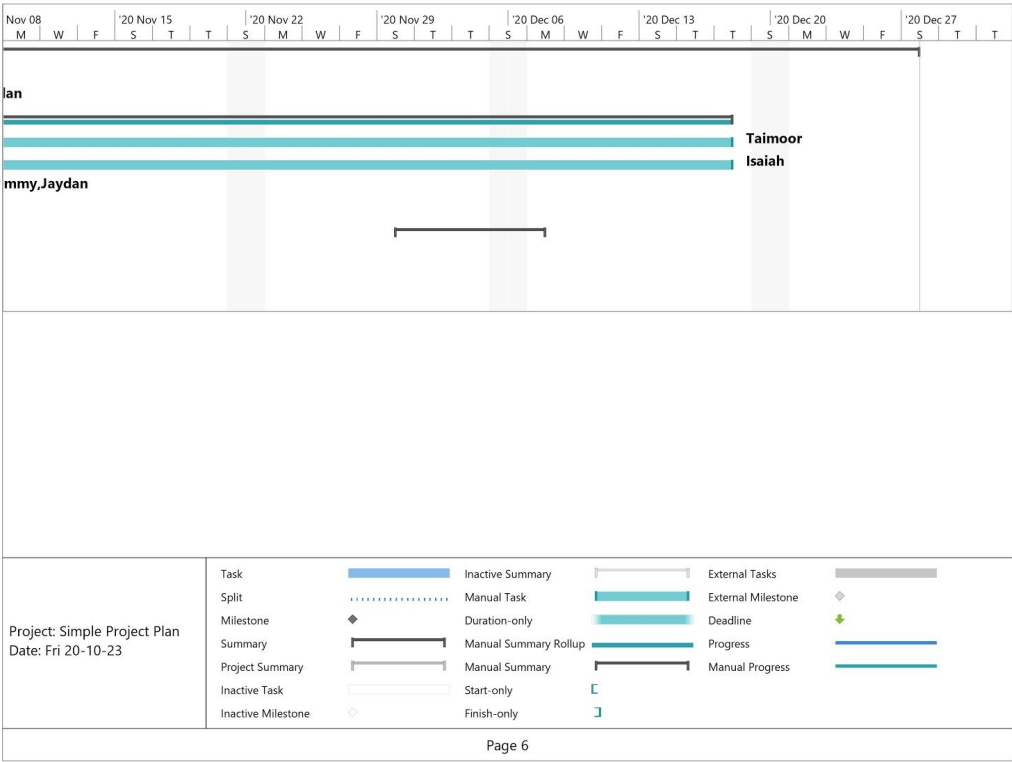
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ID	Task Name	Duration	Start	Finish	Predecessors
18	3.3 Working on Milestone #3	46 days	Mon 20-10-26	Sun 20-12-27	
19	3.3.1 Complete Part 1	10 days	Thu 20-10-08	Wed 20-10-21	17
20	3.3.2 Complete Part 2	15 days	Thu 20-10-08	Wed 20-10-28	17
21	4.0 Monitoring and Controlling	54 days	Mon 20-10-05	Thu 20-12-17	
22	4.1 Track Work Hours	36 days	Thu 20-10-29	Thu 20-12-17	
23	4.2 Update Documents	36 days	Thu 20-10-29	Thu 20-12-17	
24	4.3 Develop Progress Reports	7 days	Thu 20-10-29	Fri 20-11-06	
25	4.4 Weekly Status Meetings	6 days	Thu 20-10-08	Thu 20-10-15	
26	5.0 Closing	6 days	Mon 20-11-30	Mon 20-12-07	
27	5.1 Prepare Final Project Report	3 days	Thu 20-10-29	Mon 20-11-02	20
28	5.2 Prepare Final Presentation	2 days	Thu 20-10-29	Fri 20-10-30	20
29	5.3 Project Completed	1 day	Mon 20-11-02	Mon 20-11-02	28

Project: Simple Project Plan Date: Fri 20-10-23	Task		Inactive Summary		External Tasks	
	Split		Manual Task		External Milestone	
	Milestone		Duration-only		Deadline	
	Summary		Manual Summary Rollup		Progress	
	Project Summary		Manual Summary		Manual Progress	
	Inactive Task		Start-only			
	Inactive Milestone		Finish-only			

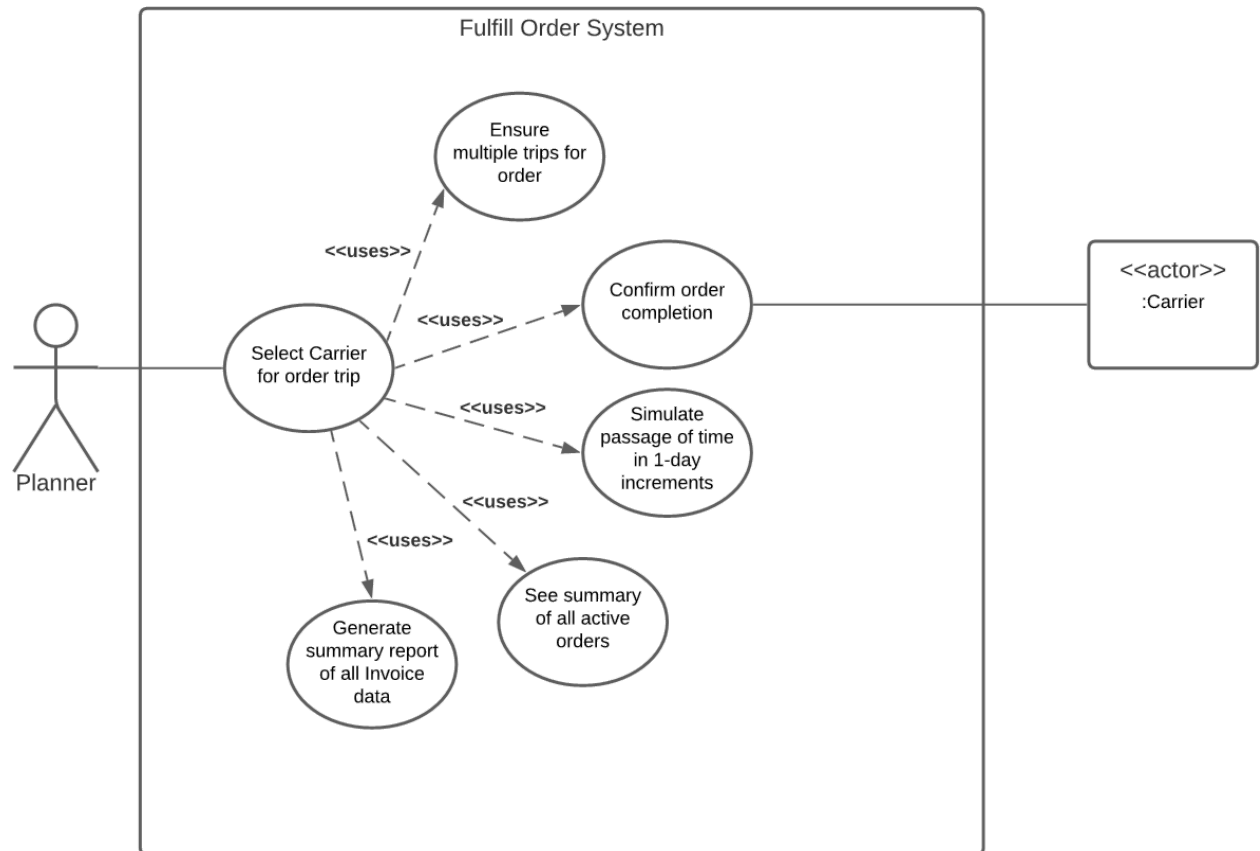
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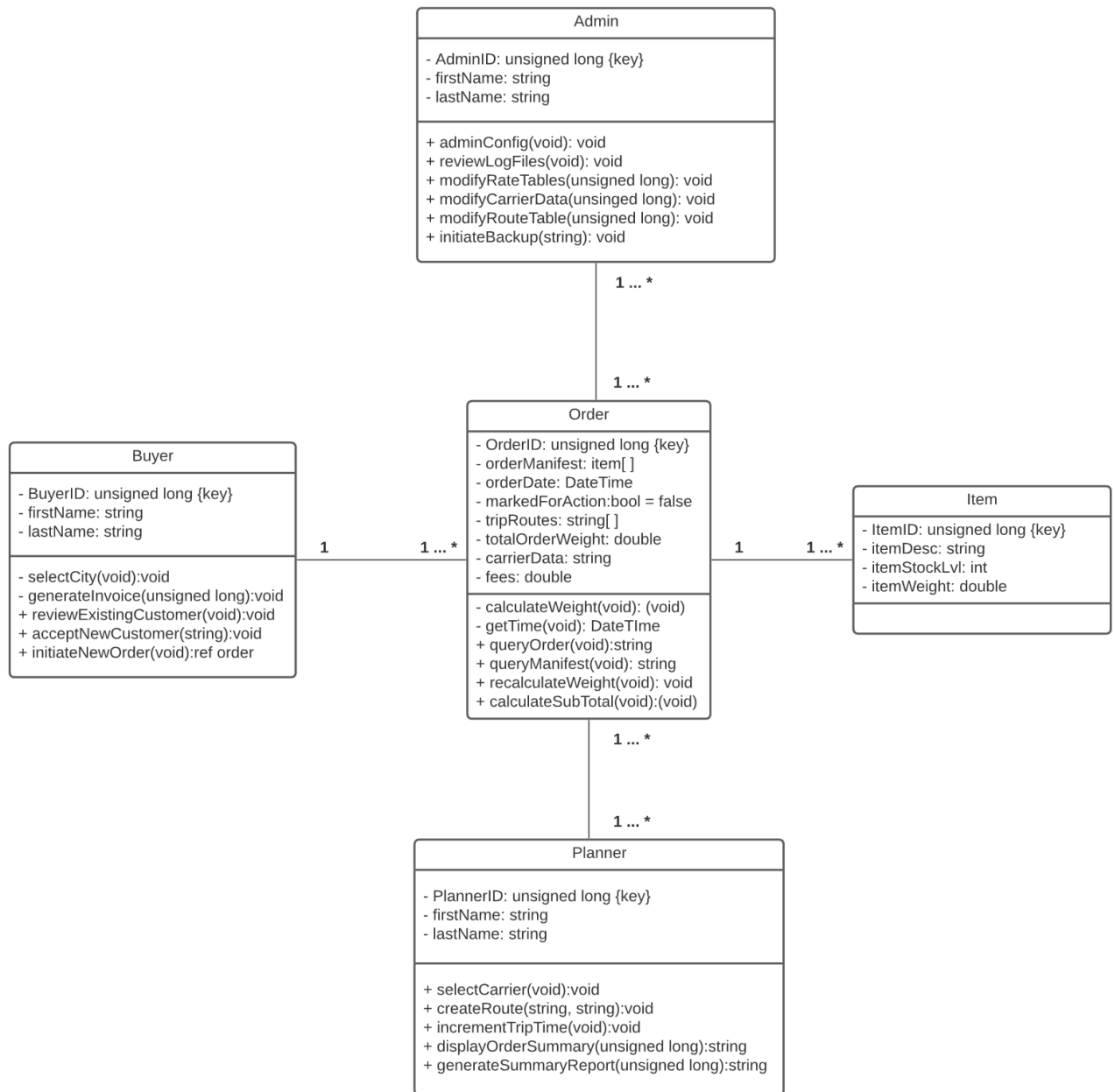


Diagrams

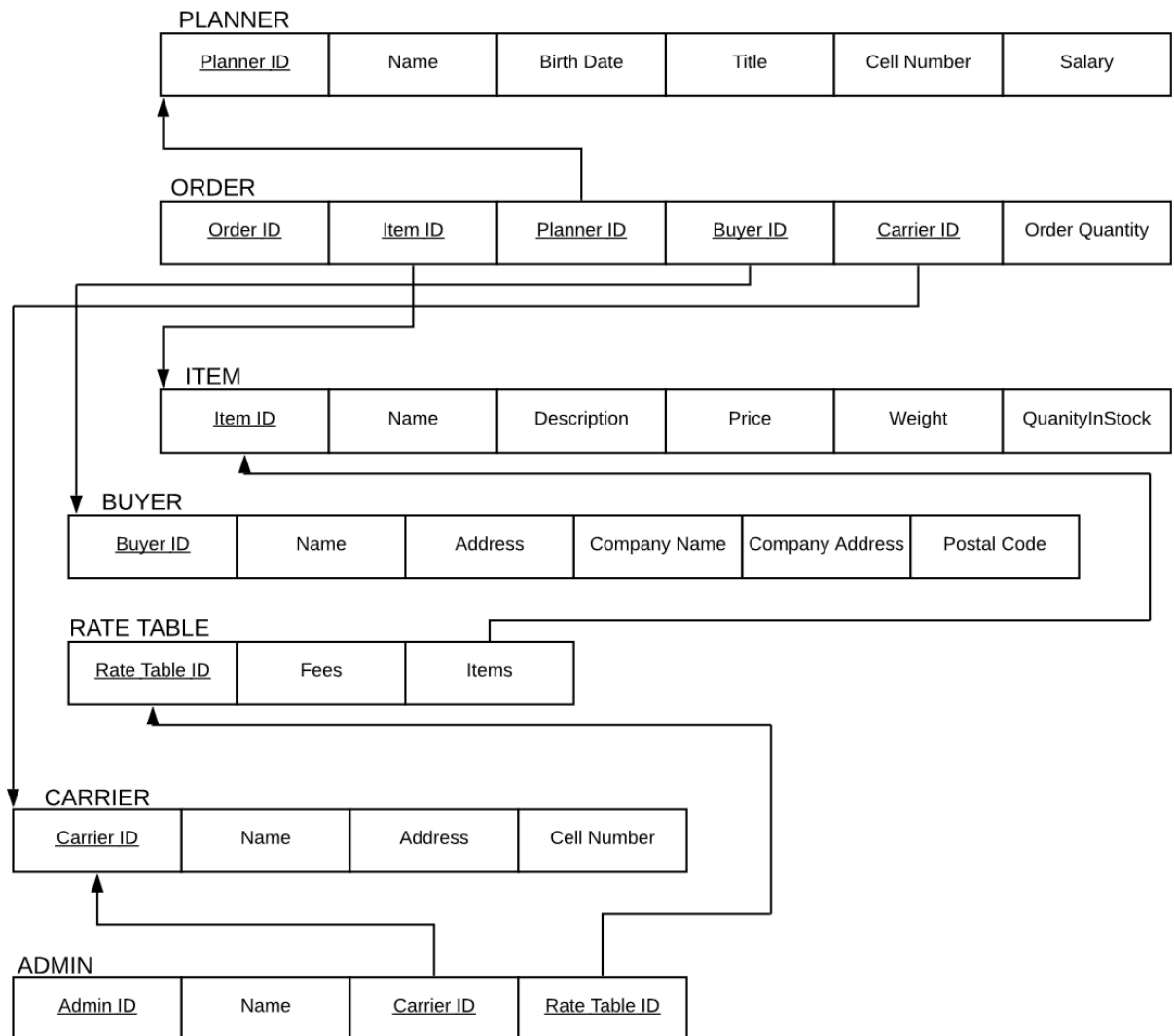
Use Case Diagram



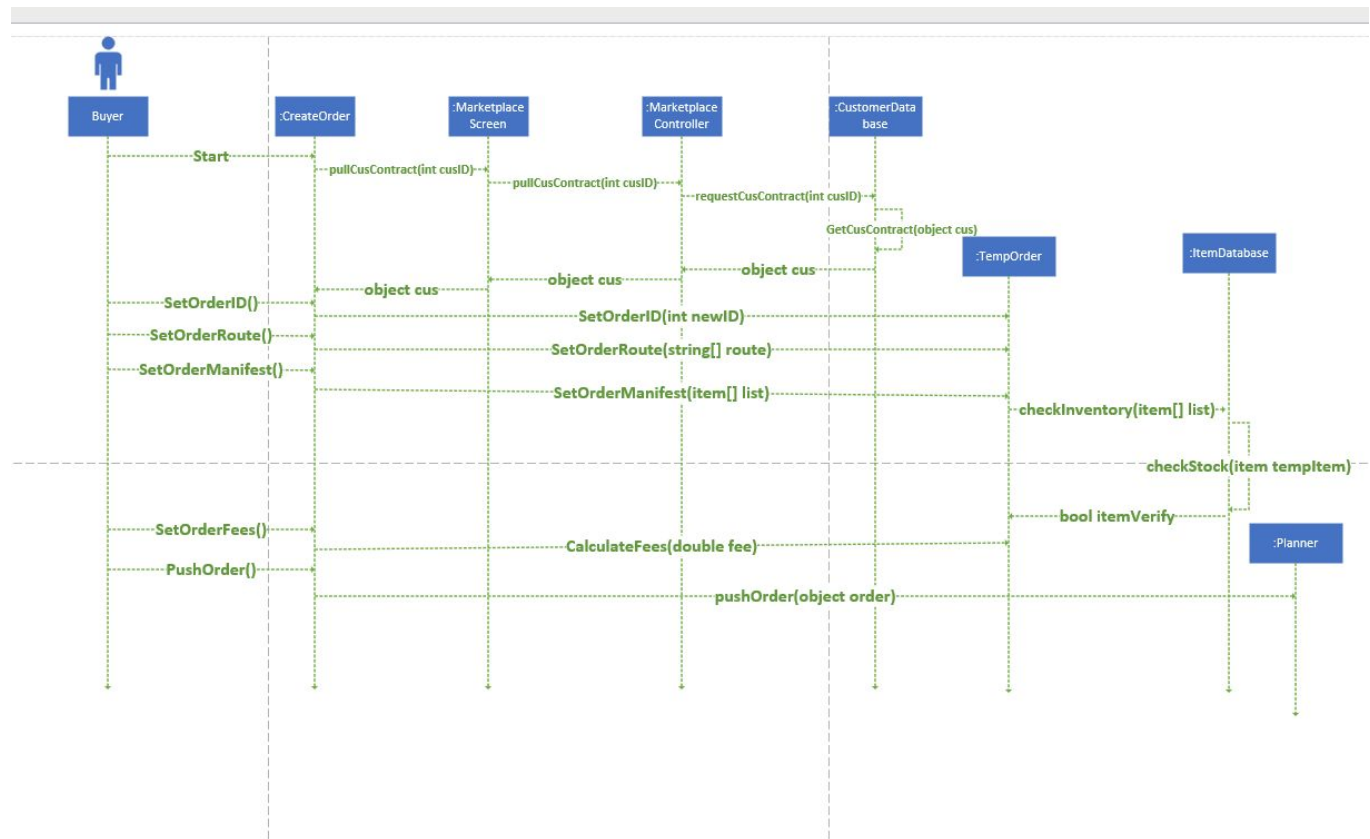
Class Diagram



Schema Diagram



System Sequence Diagram



References

1. eConestoga. (2020) Term Project Overview. Retrieved October 23, 2020 from <https://conestoga.desire2learn.com/d2l/le/content/375951/viewContent/8105487/View>