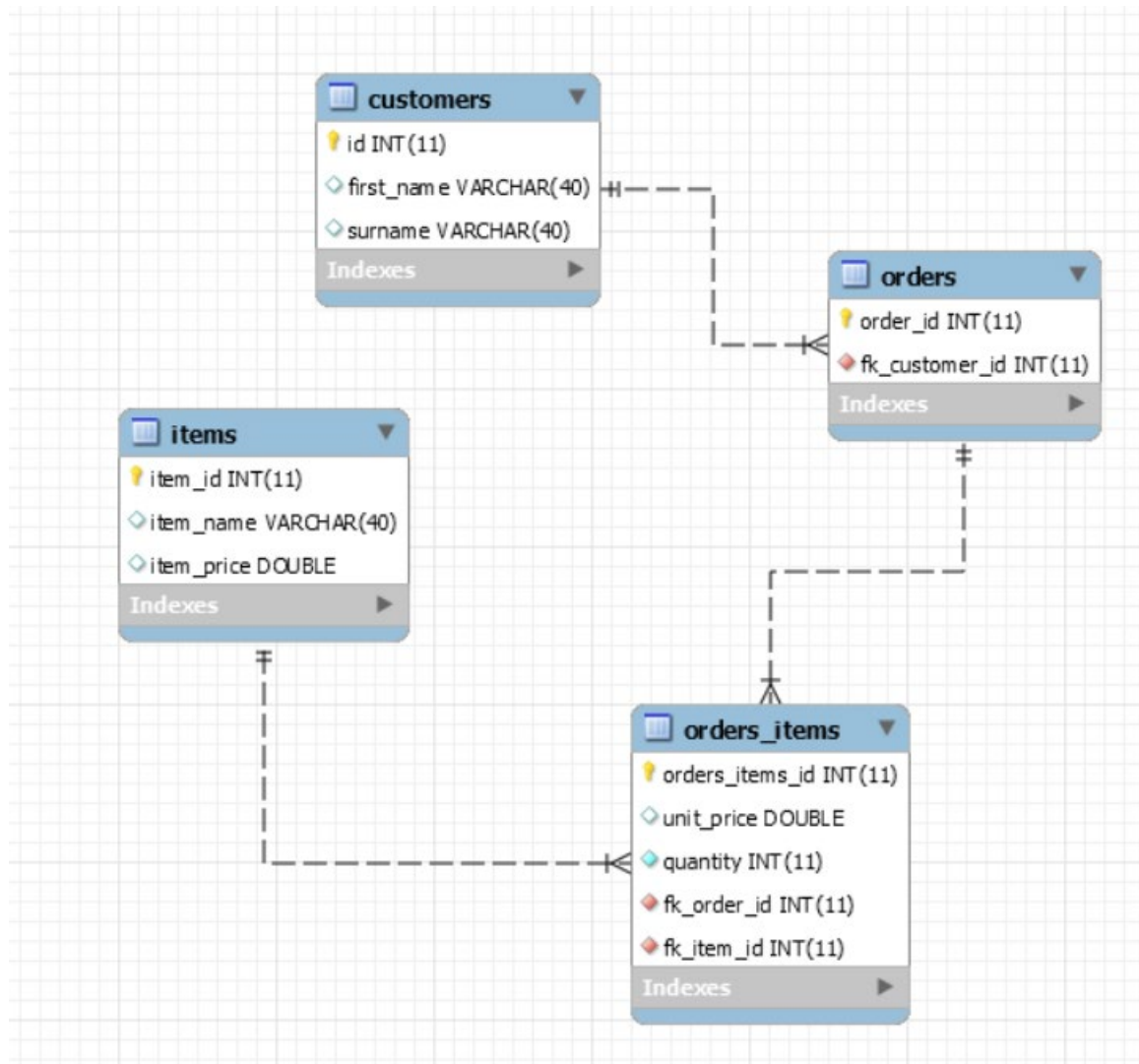


Entity Relationship Diagram - ERD



Risk Assessment

Risk Register 1: Initial Scores and actions

Risk #	Risk	Cause	Risk Event	Likelihood	Impact	Risk Rating	Response strategy
1	Lack of Knowledge	Not knowing enough to complete project	Errors, struggling to complete	7	7	49	Going through QA community and using online resources to enhance my knowledge and learn new stuff.
2	Lack of Experience	Not from a professional programming background	Cannot complete the project	5	7	35	Doing the QA Community exercises and completing all the tasks set in the classes
3	Internet Issues	Bad connection causing delays	May need more time to finish work, cannot complete certain tasks	3	5	15	Making sure there are no internet issues
4	COVID-19 (Global Pandemic)	Illness preventing productivity	Not able to finish tasks	4	4	16	Make sure to communicate with the Academy and let them know as soon as possible if illness is affecting work
5	Lack of Time	Not managing time correctly.	Run out of time/ unfinished project	5	5	25	Use Jira to keep a track of tasks to complete. Regularly check the board to see where I am at.

6	Loss of Work	Not having a saved copy of our work which can cause me to lose it.	Losing work, may have to start over again	2	10	20	Make sure to regularly save work on the local machine and regularly push branches to version control
7	Hardware Issues	Laptop issues which can cause us to be unable to complete the project.	Cannot complete tasks without adequate hardware	2	3	6	Know the capabilities of your laptop and just have general know how of how your laptop behaves
8	Security	Exposing sensitive files/ getting hacked	Data loss, time wasted	1	7	7	Make sure no passwords or other sensitive information is exposed
9	Unreliable applications	Software updates changing permissions/ expired free trials	May have to change software/ pay for full access	1	3	3	Make sure work is backed up so you can delete files and work on them again in extreme cases if software acts up

Key

Unlikely	Possible	Likely	Certain
1-3	4-6	7-8	9-10

Minor	Moderate	Major	Extreme
1-3	4-6	7-8	9-10

Minor	Moderate	Major	Extreme
1-30	40-60	70-80	90-100

Risk Register 2: Post – project scores								
Risk #	Risk	Cause	Risk Event	Likelihood	Impact	Risk Rating	Response strategy	Analysis
1	Lack of Knowledge	Not knowing enough to complete project	Errors, struggling to complete	6	6	36	Going through QA community and using online resources to enhance my knowledge and learn new stuff.	I was able to learn a lot through the project and I feel like I have more knowledge than before
2	Lack of Experience	Not from a professional programming background	Cannot complete the project	5	5	25	Doing the QA Community exercises and completing all the tasks set in the classes	I feel like the impact of my lack of experience has declined because I gained a lot of experience through this project
3	Internet Issues	Bad connection causing delays	May need more time to finish work, cannot complete certain tasks	3	1	3	Making sure there are no internet issues	Fortunately all internet issues were resolved before the beginning of the project and no issues were faced during the project
4	COVID-19 (Global Pandemic)	Illness preventing productivity	Not able to finish tasks	4	2	8	Make sure to communicate with the Academy and let them know as soon as possible if illness is affecting work	No just COVID but illness in general, I had to take a day out because of an Emergency, but this did not impact the project outcome
5	Lack of Time	Not managing	Run out of time/	5	3	15	Use Jira to keep a track	I started a bit late but other

		time correctly.	unfinished project				of tasks to complete. Regularly check the board to see where I am at.	than that, time was managed well
6	Loss of Work	Not having a saved copy of our work which can cause me to lose it.	Losing work, may have to start over again	5	5	25	Make sure to regularly save work on the local machine and regularly push branches to version control	This has gone up because there were many times that I was working in the wrong branch so that made the project slow down. This sometimes took me a full day to resolve
7	Hardware Issues	Laptop issues which can cause us to be unable to complete the project.	Cannot complete tasks without adequate hardware	1	1	1	Know the capabilities of your laptop and just have general know how of how your laptop behaves	No hardware issues were faced during the project
8	Security	Exposing sensitive files/ getting hacked	Data loss, time wasted	3	7	21	Make sure no passwords or other sensitive information is exposed	Sometimes I was presenting in front of the class and that made me expose my password for SQL which could be a security issue
9	Unreliable applications	Software updates changing permissions/ expired free trials	May have to change software/ pay for full access	3	5	25	Make sure work is backed up so you can delete files and work on them again in extreme	I had to re-install the project on eclipse twice as Maven decided to act up on Eclipse. This

							cases if software acts up	slowed down progress but luckily, backup was available through version control so no work was lost.
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