PROJECT CHARTER	
Project Name	EZParking
Date Produced	September 24, 2022
Project Goals	The EZParking application aims to eliminate the difficulty in making choices. Through the destination given by the user, it is fed back to the available parking lot with the optimal walking distance. This application will support the organization/university's goal of eliminating traffic congestion within the campus. We will achieve it by providing a system for the users that can navigate to the nearest available parking location to their destination building.
Project Objectives	● Apply A* and other appropriate algorithms to calculate an available parking location that is closest to the destination building. ● Provide navigation from the users' location to the parking lot generated by the algorithms. ● Provide an administration system that allows the operators to easily add maps and uses deep learning technology to scan all the parking lots on the provided map.
Project Budget	$500
Project Sponsor	Dr. Tim Maciag, University of Regina
Project Manager	ZiWen Tan
Additional Key Project Stakeholders	
Scott Crawley, Manager of Security Operations	
Pat Patton, Director of Campus Security	
Overall Project Milestones	**Dates**
Brainstorm	September 8, 2022

Determine the project topic	September 11, 2022
Introduction Project vlog	September 16, 2022
Complete project initialization&planing stage & start building MVP 1	October 11, 2022
Discuss Lo-Fi and Hi-Fi prototypes	November 1, 2022
Finalize MVP1 & start building MVP2	November 29, 2022
To be continued...	
Overall Project Risks	
Embedding deep learning algorithms into the application might be time-consuming.	
Some functionalities might not be fully supported by Map API	
Scope risk, spending a reasonable amount of time on MVPs.	