

PROJECT REQUIREMENT	
<b>Project Name</b>	EZParking
<b>Date Produced</b>	September 25, 2022
<b>Functional Requirement</b>	<ul style="list-style-type: none"> <li>● Backstage management               <ul style="list-style-type: none"> <li>- Manage user accounts</li> <li>- Set the parking lot area</li> </ul> </li> <li>● Mobile phone positioning</li> <li>● Login/Register</li> <li>● Read parking lot data</li> <li>● Calculate the distance between the parking lot and the target</li> <li>● Announcement Tips</li> <li>● Parking prediction               <ul style="list-style-type: none"> <li>- Import class schedule / itinerary</li> <li>- Calculate the possible stop time from the class schedule</li> <li>- Share the forecast results of the parking lot with users</li> </ul> </li> </ul>
<b>Technical/Performance Requirements</b>	<ul style="list-style-type: none"> <li>● Any API that includes the positioning function Map software</li> <li>● A* algorithm to calculate distance</li> <li>● AI deep Learning</li> <li>● Web socket</li> </ul>