Reflection on use cases for Parking Garage System for

Master of Science in Information Technology

Software Design and Programming

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Reflection

For the purposes of our scenario for developing use cases and expanding one specific

use case for our parking garage system. I overall thought that this assignment wasn't easy nor

was it difficult. I first ended up deriving a bunch of use cases and alternative flows which can be

seen in the parking garage use case diagram I developed. The first slide I made was specifically

for the use case diagram. The second one I made expanded on those use cases and even gave

alternative work flows which helped with filling out the table that was required for the second

portion of the assignment. No one helped me during this assignment aside from previous

experiences I had with trying to buy a parking pass and use a parking system at a university in

the past. I overall thought that there were a lot of assumptions I had to make such as whether

there was an automatic checking portion of the system that would validate or invalidate parking

passes. I also made assumptions on whether parking passes and the checks to them were

passed off of short term passes, whether the pass was meant for a specific day of the week, or if

those passes had certain expiration dates and would need to be re-validated. Honestly I wish I

knew more about the specific system, which specific parking garage this system would adhere

to, and what kind of checks are made on parking passes and when there is a fee for invalid

parking passes, how much is it, and when it needs to be paid. Lastly, all the implementation and

decisions that were made for this specific use case is when I was getting my first undergraduate

degree and had to commute to campus to take classes all the time. I had to buy very specific

passes, had to make sure it was during a time of the week that I was allowed to park on campus

or the parking garage, and if the parking pass was still valid. Overall this was an interesting

exercise for developing future code or use cases off of.