

Use case Diagram case study

AIUB parking space management system is going to be launched for the users. The system can clarify about space in parking space and the security guard will give clearance for parking. On the main gate the system will do the rest job. The users can be authorized member or not. Those who are member can pass the entry by punching parking card. But those who are not member can pass in two way. By registered as a member or by taking a temporary entry recite from security guard. For giving the permission of entry the system has to check the number is verified. If the member is verified then it gives entry and if not then does not permit. A will be given where the vehicle placement number is written. For registration as a member anyone has to go to the parking office. Then the user has to provide his or her university ID card or national ID photocopy and license photocopy to the parking manager which information will be stored in system. Then he will give a form which the user has to fill up. The manager will entry the new user in the database of the system and give him or her a passing token on which the vehicle number is given. Anyone who does not want to register he can place his or her vehicle by taking temporary entry recite from manager through system. For AIUB's battery-based transport the security guard enters the vehicle number and the system allows to enter and exit for the transport. The students or teachers who uses the bi-cycle or bike can enter and exit the parking space in the same process. The system records the entry and exit time of all user and show this information if someone need. For the exit a user has to punch the parking card again or return back the recite number. It will also check whether the battery transports are charged or not by checking there charging time of each transport.

Parking space management use case diagram

