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Parking Garage

This program is going to be a database for a garage. It will be able to keep track of employees including their wages and hours. It will also be able to creates reports based on the employee hours and based off how many customers came in; how much money was made and how much was spent. These reports will be made daily and an overall report will be made monthly. The program will have a database of employees. This will include their name, their job, their hourly wage or salary, and an employee id. The program will be able to keep track of how many hours the employee worked in order to calculate that employee’s paycheck. It will also have a database of customers with information regarding to their account; their name, license plate, and email address. This will purely be to keep track of how many customers are coming in and out to see how much money is being brought in.

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| R1 | Database- a Database of all employee containing their names, job titles, employee IDs, and wages/salaries. |
| R2 | Calculate the paychecks of each employee. |
| R3 | A database of customers including their name, email address, and license plate numbers. |
| R4 | Create reports of how much money went in to and came out of the garage. |
| R5 | A database of all reports made- can pull previous reports at any time by any employee. |
| R6 | Managerial access to all parts of the system based off ID number. |
| R7 | Employees other than the managers have restricted access to the system based off the ID number. |

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| U1 | As a manager, I will have access to all employee information. |
| U2 | As an employee, I will be able to see all the hours I have logged in for the week. |
| U3 | As an employee, I will have access to customer information. As a manager, I will also have access to customer information. |
| U4 | As an employee, I will be able to see my specific weekly report. I will also be able to see any previous report. |
| U5 | As a manager, I will have access to all current and previous reports. |
| U6 | As an employee, I will be able to see who worked the shift before my own. |
| U7 | As a manager, I will have unrestricted access to all databases based off my ID, all my employees will have restricted access based on their employee IDs. |

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|  | U1 | U2 | U3 | U4 | U5 | U6 | U7 |
| R1 | x | x |  |  |  | x |  |
| R2 |  |  |  | x |  |  |  |
| R3 |  |  | x |  |  |  |  |
| R4 |  |  |  | x | x |  |  |
| R5 |  |  |  | x | x |  |  |
| R6 |  |  |  |  |  |  | x |
| R7 |  |  |  |  |  |  | x |