A picture containing calendar

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**AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)**

**DEPARTMENT OF ENGINEERING**

[**INTRODUCTION TO DATABASE**](https://portal.aiub.edu/Student/Section?q=j3Wc6QZpwj8GAUZ6rruD2A%3D%3D)

**Section: K, Group: 5**

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**PARKING SPOT MANAGEMENT SYSTEM**

In a parking spot management system there are many employees who are managed by managers. One manager may manage one or more employees. Every employee and manager are uniquely identified by system through employee id and manager id respectively. System stores the first name, last name, hire date, phone\_number and salary of the employee. Manager has name, salary, phone\_number and address stored. Manager generally manages overall situation parking spot of the park. Parking spot are uniquely identified with spot id and it has own address. There are many parking spaces inside the parking spot which identified by space id. There are many types of parking space. Based on the space type there are different type of cost rate. Customer can hire parking space based on the cost rate. Based on space type rate can be hourly and daily and type it has unique rate id. Each parking space assigns one parking slip to the customers to purchase. Parking slip has slip id, issue date and expiration date . Customer has id which confirms the identity of customers. System stores the first name, last name, email,address, phone number, license\_plate\_number and address of the customer with respect to their id. There are many rules in a parking lot to better manage and to give better services. Manager issues fine to the customer who break the rules. Issued fine has id, issued date, amount and the date to be paid.

**ER-DIAGRAM**

Diagram

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