**ERD Text Descriptions**

1. **Entity**: Employee List

**Description**: The List of employees of the company

**Attributes**:

* employeeID: *Primary Key* The unique ID number for every employee of Aviation Port Services.
* employeeName: Name of the employee
* employeeAddress: Home address of every employee
* employeeSSN: Social Security Number for every employee

**Relationships**:

* **One to Many with Report Event:** One employee participates in many event reports.
* **One to One with Schedule:** One employee is included in one schedule
* **One to Many with Updated Record:** One employee is added to many updated records

1. **Entity**: Schedule

**Description**: The schedule for all employees at Aviation Port Services

**Attributes**:

* scheduleID: *Primary Key*. unique ID number for every schedule within the system
* scheduleDate: The schedule for a particular date within the system
* scheduleTime: The hours that are scheduled to be worked within the system
* availableShift: List of any available shifts that have yet to be picked up
* employeeShift: List of employee shifts
* overtimeShift: List of employee shifts that are categorized as overtime

**Relationships**:

* **One to Many with Employee List**: One schedule can include many employees in it.
* **One to One with Manager**: One schedule can be put together by one manager.

1. **Entity**: Manager

**Description**: The database for all of the managers of Aviation Port Services

**Attributes**:

* managerID: *Primary Key*. The unique ID for every manager within the system
* managerPW:
* managerName: The name of every manager within the system
* managerPhone: The phone number of every manager within the system

**Relationships**:

* **One to Many with Schedule**: One manager can manage many schedules.
* **One to Many with Updated Record**: One manager can request many records
* **One to Many with Report Event**: One manager can request multiple report events.

1. **Entity**: Time-Record Report

**Description**: The report generation area of the system that logs timekeeping, tardiness as well as overtime hours and pay.

**Attributes**:

* reportID: Primary Key: The unique ID for every report that is generated
* employeeTime: The hours that each employee has clocked in
* generatedDate: The date that is generated within the system
* recordType: The type of record that is being stored in the system

**Subentities**:

* Daily Report
  + Attributes:
    - DailyDate
* Lateness Report
  + Attributes:
    - Calculated Tardiness
* Period Report
  + Attributes:
    - Bi-weekly Date
    - Gross Pay

Relationships:

* One to One with Report Event: There is only one time record report recorded for every report event.

1. **Associative Entity**: Report Event

**Description**: Stores the manager and report values in order to help create the weekly and bi- weekly reports.

**Attributes**:

* reportID: *Primary Key*: The unique ID for every report generated.
* managerID: *Primary Key*: the unique ID given to every manager
* requestedRecord: log of all records that are to be requested.

**Relationships**:

* **One to One with Time Record Report**: Only one report event is included in every time record report
* **One to Many with Employee List**: One employee participates with one many reports.