

# Solution Approach - Employee Management System CLI

This application was written in **python** and follows the **object-oriented programming (OOP)** approach to ensure modularity, scalability and reusability.

## 1. Design

- **Employee Class:** Handles the core functionalities such as load data, save data, adding, updating, deleting, viewing, and searching employees.
- **Data Storage:**
  - Employee data is stored in a .txt file for as DB.
  - Data is loaded at the program start and saved after every modification.

## 2. Features

- **Add Employee:** Validates employee ID to ensure uniqueness before saving the details.
- **Update Employee:** Allows modifying specific fields without altering others.
- **Delete Employee:** Removes an employee record using their unique ID.
- **View Employees:** Displays all records.
- **Search Employee:** Searches records by Name or Designation.

## 3. Validation

- Ensures **unique employee IDs** to prevent duplicates.