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#include <iostream>
#include <fstream>
#include <vector>
#include <algorithm>

using namespace std;

class Employee {
private:
    string name;
    int employeeId;
    double salary;

public:
    Employee(string n, int id, double s) : name(n), employeeId(id), salary(s) {}

    string getName() const { return name; }
    int getEmployeeId() const { return employeeId; }
    double getSalary() const { return salary; }

    void setName(string n) { name = n; }
    void setEmployeeId(int id) { employeeId = id; }
    void setSalary(double s) { salary = s; }

    void displayDetails() const {
        cout << "Name: " << name << endl;
        cout << "Employee ID: " << employeeId << endl;
        cout << "Salary: $" << salary << endl;
    }
};

class EmployeeManagementSystem {
private:
    vector<Employee> employees;
    string filename;

public:
    EmployeeManagementSystem(string file) : filename(file) {}

    void addEmployee(const Employee &emp) {
        employees.push_back(emp);
    }

    void removeEmployee(int id) {
        employees.erase(remove_if(employees.begin(), employees.end(), [id](const Employee
&emp) {
            return emp.getEmployeeId() == id;
        }), employees.end());
    }
};

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}

void updateEmployee(int id, const string &newName, double newSalary) {
    for (auto &emp : employees) {
        if (emp.getEmployeeId() == id) {
            emp.setName(newName);
            emp.setSalary(newSalary);
            break;
        }
    }
}

void displayAllEmployees() const {
    cout << "Employee List:" << endl;
    for (const auto &emp : employees) {
        emp.displayDetails();
        cout << endl;
    }
}

void searchEmployeeById(int id) const {
    bool found = false;
    for (const auto &emp : employees) {
        if (emp.getEmployeeId() == id) {
            emp.displayDetails();
            found = true;
            break;
        }
    }
    if (!found) {
        cout << "Employee with ID " << id << " not found." << endl;
    }
}

void saveToFile() const {
    ofstream outFile(filename);
    if (outFile.is_open()) {
        for (const auto &emp : employees) {
            outFile << emp.getName() << "," << emp.getEmployeeId() << "," <<
emp.getSalary() << endl;
        }
        outFile.close();
        cout << "Data saved to file." << endl;
    } else {
        cout << "Unable to open file." << endl;
    }
}

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void loadFromFile() {  
    ifstream inFile(filename);  
    if (in
```