# **Employee Management System**

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**Subject: MOBILE COMPUTING AND APPLICATION** 

**Code:** CSE-307/308

## **Project Overview**

- Purpose: Manage employee data efficiently
- Context:
  - Web-based HR tool for employee records
  - Supports creation, search, and reporting
  - Built for scalability and ease of use
- Goal: Improve HR workflows and data accessibility
- Visuals: Screenshot of the application homepage

## **Key Features**

## Create Employee:

- Add new employees with details (name, email, role, etc.)
- Dynamic dropdowns with custom input options

## Search Employees:

- Filter by name, email, role, department, etc.
- Edit or delete existing records

## Reports:

- Detailed and summary reports
- Filterable by various fields
- Visuals: Icons for each feature, form screenshot

### **User Interface**

#### •Design:

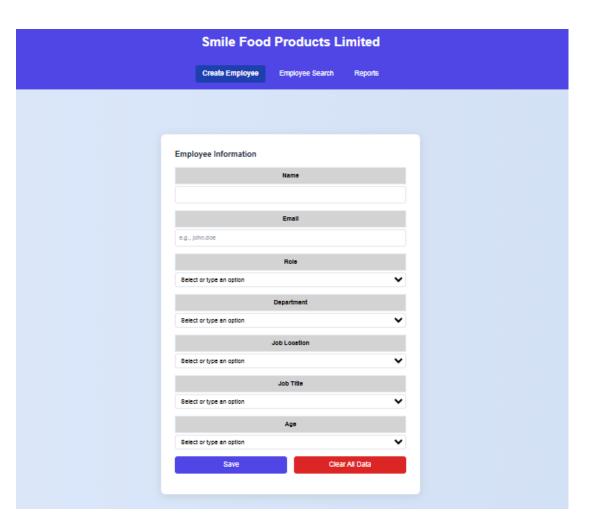
- Clean, responsive layout with Tailwind CSS
- Excel-like input styling for familiarity

#### •Navigation:

- Tabs for Create, Search, and Reports
- Fixed header and nav bar for accessibility

#### •User Experience:

- Auto-email formatting (@smilefoodproducts.com)
- Spelling correction for consistent data
- •Visuals: Screenshots of form, search, and report sections



### **Technical Details**

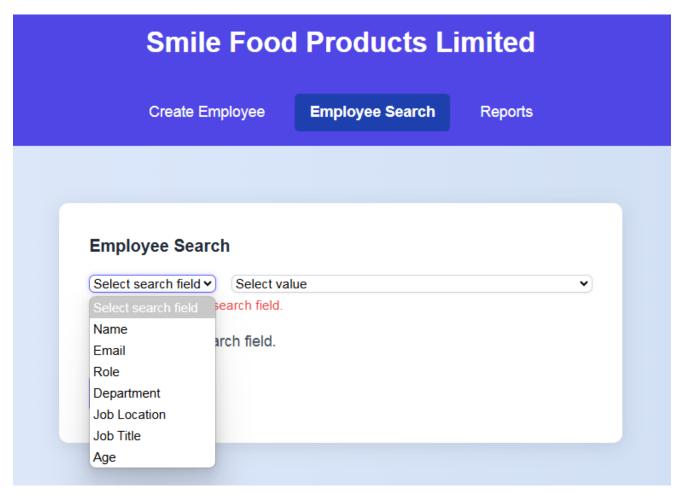
#### •Technologies:

- HTML, JavaScript, Tailwind CSS
- SheetJS (XLSX) for Excel exports
- jsPDF & AutoTable for PDF generation

#### •Key Functions:

- populateDropdown: Dynamic field options
- updateEmployeeList: Real-time search
- normalizeInput: Data consistency

•Visuals: Code snippet, tech stack diagram



## **Future Improvements**

#### •Planned Enhancements:

- File import for bulk employee data
- Partial search and advanced filters
- Input sanitization for security

#### •Additional Features:

- Pagination for large datasets
- Configurable email domain
- Accessibility (ARIA, keyboard navigation)

#### •Next Steps:

- User testing and feedback
- Deployment to secure server
- •Visuals: Roadmap timeline, mockup of new feature

