

A Simple Job Application

Objective:

Create an Object-Oriented Job Application Program

Problem Statement:

You are tasked with designing a job application program that allows an administrator to manage applications for a company. The system should support the following operations:

- Add: Add new job applications.
- Search: Search for applications based on specific criteria such as applicant's names, skills, education etc
- Update: Modify existing application details.
- Delete: Remove applications from the system.
- Display: Show a list of all applications.

Requirements:

- The application form contains various fields (such as applicant name, contact information, education details, work experience, etc.).
- Applicants may have more education or work experience entries than the predefined form allows.
- Education and work experience should be stored in a list for each applicant.
- The program should provide a user-friendly menu for the administrator to perform essential operations.
- Implementation Guidelines:
 - Use an object-oriented approach to structure your program.
 - Create appropriate classes to represent different components (e.g., Application, Applicant, Education, WorkExperience, etc.).
 - Implement methods within these classes to handle the specified operations.
 - Ensure proper encapsulation, inheritance, and abstraction.
 - Additionally, create a UML class diagram using the “drawio” tool to visualize the relationships between classes.

<Company Name>

<Address>

<Address>

BASIC JOB APPLICATION

PERSONAL INFORMATION

NAME (Lastname, Firstname Middle Initial)	DATE OF BIRTH (mm/dd/yyyy)	POSITION APPLYING
Smith, John M.	mm/dd/yyyy	Accounting Clerk
ADDRESS (Number, Street, City, State Zip Code)		
8213 Lakeview Dr., Schenectady, NY 12302		
TELEPHONE (Home)	TELEPHONE (Mobile)	EMAIL ADDRESS
<Telephone Number>	<Telephone Number>	johnsmith@domain.com
PLACE OF BIRTH (City, Country)		CITIZENSHIP
<Place of Birth, <Country>		American

In case of accident, notify:

	Name	Relationship	Contact Number
Primary	<Name of Primary Contact>	<Relationship>	<Contact Number>
Secondary	<Name of Secondary Contact>	<Relationship>	<Contact Number>

EDUCATION (most recent)

Level	School Name	Period (Year)		Degree
		From	To	
<Level>	<School Name>	<yyyy>	<yyyy>	<Degree>

WORK EXPERIENCE (last 3 latest only)

Company / Location	Date (Year)		Position	Reason for Leaving
	From	To		
<Company Name>	<yyyy>	<yyyy>	<Position>	<Reason for Leaving>
<Company Address>				

MAJOR SKILLS

- MS Office Suits	- SAP Financial	- Quickbooks Online
- Freshbook	- Zero Accounting	