3. Design a job searching and posting platform

Objects and behaviors:

Company:
Information: companyName, companyAddress, jobType, jobTitle, salary
Behavior: post(), accept(), reject(), login(), hire()

Employee:
Information: name, age, email, degree, resume
Behavior: search(), apply(), login()

Platform:
Information:
Behavior: sendEmployeeInformation(), sendEmailTo(), authorize()

DesignAJobSearchingAndPostingPlatform:
```
    Company company[];
    Employee employee[];
    Platform indeed;

    postJob(){
        for (int i = 0; i < company.length; i++){
            Company c = company[i];
            c.login(indeed);
            c.post(companyName, companyAddress, jobType, jobTitle, salary);
        }
    }

    searchJob(){
        for (int i = 0; i < employee.length; i++){
            Employee e = employee[i];
            e.login(indeed);
            e.search(companyName, companyAddress, jobType, jobTitle, salary);
            e.apply();
        }
    }

    platform(){
        if (e.apply(c) == TRUE){
            indeed.sendEmployeeInformation(name, age, email, degree, resume);
                if (c.accept() == TRUE){
                    c.sendEmailTo(e){
                        "Congratulations!"
```

```
            }
            indeed.authorize();
            c.hire(e);
        }else{
            c.reject();
        }
    }
}
```