INFO5100-Assignment1-Question3-Meng-Wei Hao

Q3. Design a job searching and posting platform.

Ans:

Class, Object, Behaviors, Input, Output, Data

JobSeeker

    Data: name, photo, phoneNumber, address, hobbies, skills, workExperience,

       accomplishment, InterestJob

    Behaviors: providePersonalInfo(), searchPositionType(), skillslearned(), findInterestJob()

Employer(Company)

    Data: companyType, positionType, jobVacancy
    Behaviors: postPositionType(), postJobVacancy(), chooseFavoriteApplicant(),

        chooseToInterview()

JobWebsite

    Data: jobType, jobTitle, company, location, fullTimeJob, partTimeJob, salaryRange

    Behaviors: searchWebsite(), sort(), display(), apply(), sendNotice()

Computer
    Behaviors: webSearch(), jobSeekerLogin(), employerLogin()

JobWebsite searchAndPost

searchAndPost.searchWebsite()

--------------Program------------------

JobSeeker jenny

Employer grape

Computer jennyComputer

Computer grapeComputer

```java
searchWebsite() {

        jennyComputer.jobSeekerLogin()

        grapeComputer.employerLogin()

        if(jenny.providePersonalInfo() != null) {

                jenny.searchPositionType()

        }
        else{

                jenny.cantSearchPositionType()

        }

}
public class JobWebsite {

pulic static void main(String args[]) {

        System.out.println("Which position type do you like?");

        PositionType positionType = new PositionType();

        InterestJob interestJob = new InterestJob();

        if (PositionType.isGovernmentInstitution()) {

                System.out.println("I like to work at government institution.");

        }

        if (PositionType.isTechnicalInstitution()) {

                System.out.println("I like to work at technical institution.");

        }

        if (PositionType.isBusinessOrganization()) {

                System.out.println("I like to work at business organization.");

        }

        if (PositionType.isTransportationAgency()) {

                System.out.println("I like to work at transportation agency.");

        }
         else {

                jenny.searchOtherPositionType()
```

```java
        }
        if (jenny.searchPositionType() != null) {
            jenny.findInterestJob()
            grape.chooseFavoriteApplicant()
        }
        else {
            jenny.cantfindInterestJob()
        }
        if (grape.chooseFavoriteApplicant()) {
            System.out.println("Choose to interview.");
        }
        else {
            System.out.println("Reject for interview.");
        }
}
```