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

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()

}

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.”);

}

}