

Problem 3: Design a job searching and posting platform

Objects and behaviors:

Computer:

Data:

Behaviors: startUp, connectToInternet

Internet:

Data: Google, Facebook, LinkedIn

: Collection of Websites

Behavior: searchForElectricityWebsites

Electricity Website:

Data: URL, ListOfCompany

Behaviors: search, display, sort, compare

Job Hunter:

Data: Name, Phone, Address, emailAddress, Resume, jobDescription

Behaviors: startUpComputer, search, filter, apply, reviews, cancel, sort, compare

Company:

Data: Name, Phone, dueDate, , listOfJobs, jobDetails: positons, qualification, salary

Behaviors: login, post, confirmApplication, interview,offer, reject

Sequence of invoking behaviors on objects

PostingJobInThePlatform

Company Amazon;

if the Internet. isAvailable

Amazon.loginToTheplatform -> userName, pin : connected

if theWebsite. isAvailable

Amazon.post -> jobDetails : confirmationForPosting

else

refresh the Website

SearchingJobInThePlatform

JobHunter kai;

```
Company Amazon;
kai. startUpComputer -> pin : computerStartUp
if the Internet. isAvailable
    kai.loginToThePlatform -> userName, pin : login
    kai. searchForCompany -> companyDescription : ListOfCompanies
    kai.findDesirableCompany -> companyName : companyWebsite
    Amazon = website
    kai.searchForJobInAmazon -> jobDescription : ListOfJobs
    if Amazon. hasVacantPositions
        kai.findDesirableJob -> jobName : jobWebsite
        kai.apply -> resume : confirmation
    else
        searchOtherCompanies
    end
end
end
```