Problem 1: 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