Problem: Design a job searching and posting platform

Objects:

Platform:

Data: Name, URL

Behaviors:

User:

Data: Candidate, Employer

Behaviors: search(), upload(), apply(), post(), hire()

Job:

Data: Title

Behaviors:

Candidate:

Data: Name, ContactNumber, Address, Resume

Behaviors: search(), upload(), apply()

Company:

Data: Name, ContactNumber, Address

Behaviors:

Employer:

Data: Name, ContactNumber, Address

Behaviors: post(), select(), search()

Calender:

Data: Date, Time

Behaviors:

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Sequence of invoking behaviors on objects:

Platform glassdoor;

Candidate mihir;

Company amazon;

Job seniorDeveloper;

Employer microsoft;

Calendar calendar;

ApplicationSuccessful response1;

PostingSuccessful response2;

user.OpenPlatform 🡪 glassdoor

glassdoor = platform;

if user.jobSeeker 🡪 mihir : user

if firstTime

mihir.createCandidateAccount 🡪 name, address, phone, platform : glassdoor

mihir.uploadResume 🡪 resume : glassdoor

else

tony.accountLogin 🡪 name, email : glassdoor

end

loop

mihir.searchJobs 🡪 developer, amazon : glassdoor

if mihir.jobFound

developer = job;

amazon = company;

mihir.applyForJob 🡪 mihir, apply: applicationSuccessful

response1 = applicationSuccessful

break;

else

mihir.desiredJobNotFound

end

end

end

if user.employer

microsoft.accountLogin 🡪 name, email : glassdoor

microsoft.fillJobDetails

microsoft.postJob 🡪 microsoft, post: jobPostSuccessful

response2 = postingSuccessful

if microsoft.receivesNotificationWhenCandidateApplies

loop

microsoft.viewCandidates

if microsoft.findsDesiredCandidate

microsoft.scheduleInterview 🡪 microsoft, schedule : calender

break:

else

microsoft.desiredNotFound

end

end

end

microsoft.logout

end