3. Design a job searching and posting platform.
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 * neu-sep18 Assignment1
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Problem : Design a job searching and posting platform.

　JobHunter :
　　Data: UserName, Passcode, FirstName, Pictures, LastName, Birthday, IDType, IDNumber, Address, PhoneNumber, Email, Resume
　　Behaviors : SignIn, SignOut, Register, SearchForJobs, EditResume, SubmitResume, Setting, ViewJobsInfo, ViewCompanyInfo, GetNotify, SendResultToCompany, MakeAppointment

　Company:
　　Data: Name, Address, PhoneNumber, Email, Pictures, Jobs
　　Behaviors: Register, SignIn, SignOut, SearchForEmployee, EditCompanyInfo, EditJobsInfo, PostJobs, ReviewResume, GetNotify, SendNotify, MakeAppointment

　Jobs:
　　Data: Title, description, skills, salary

　Resume:
　　Data: FirstName, LastName, Education, Industry, PhoneNumber, Email, Summary, Location, Skill, WorkExperience

　Connections:
　　Data: IpAddressData, DomainData, LocalIpAddressData
　　Behaviors: EstablishConnection

　Platform:
　　Data : Name, PhoneNumber, Email, JobHunter, Company
　　Behaviors : Register, DeleteUserInfo, SignIn, SignOut, SearchForJobs, SubmitOrder, SearchForEmployee, SendNotify, Advertisement, Recommendation

Sequence of invoking behaviors on Objects:

Design a job searching and posting platform.

　JobHunter john
　Company googleCompany

Connections connection
Platform linkedIn
Jobs googleJob
Resume johnResume

    if connection is established
  if this jobhunter is a guest and has sign up
    john.SignIn -> john.UserName, john.Passcode, linkedIn, : signResult
  else if this jobhunter is a guest and has not sign up
    john.Register -> john.FirstName, john.LastName, john.Idtype, john.IdNumber,
john.PhoneNumber, john.Email, john.pictures, linkedIn : signResult
    if signResult means success
        john.EditResume
    else
        john.tryAgainLater

  if this company is a guest and has sign up
    googleCompany.SignIn -> googleCompany.UserName,
googleCompany.Passcode, linkedIn, : signResult
  else if this company is a guest and has not sign up
    googleCompany.Register -> googleCompany.Name, googleCompany.Address,
googleCompany.PhoneNumber, googleCompany.Email, googleCompany.pictures,
linkedIn : signResult
    if signResult means success
        googleCompany.EditCompanyInfo
        googleCompany.EditJobsInfo
        googleCompany.PostJobs
    else
        john.tryAgainLater

  /* jobhunter search for jobs */
  john.SearchForJobs -> title, companyName, skill, salary, linkedIn : jobList
  Initialize pageNumber = 1
  Loop in jobList:
    john.ViewJobsInfo
     if john.findTheJob
       googleJob = findTheJob
       break
     if jobList.hasNextPage
       pageNumber = pageNumber +1
     else if jobList.notHasNextPage
       break
  john.SubmitResume -> googleJob, john.Resume, linkedIn : resumeSubmitResult
  if resumeSubmitResult send fail
    john.tryAgainLater

  linkedIn.SendNotify -> googleJob, googleCompany : resumeSendToCompany

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if resumeSendToCompany send fail
   linkedIn.tryAgainLater

googleCompany.GetNotify
googleCompany.ReviewResume
googleCompany.sendResultToJobhunter -> result : resultToJobhunter
if resultToJobhunter send fail
   googleCompany.tryAgainLater

if john.GetNotify equals you are ok
   john.MakeAppointment with googleCompany
else
   john.searchForJobs

/* company search for employee */
googleCompany.SearchForEmployee -> job, linkedIn : employeeList
Initialize pageNumber = 1
Loop in employeeList:
   googleCompany.reviewResume
    if googleCompany.findTheEmployee
       googleCompany = findTheEmployee
       break
    if employeeList.hasNextPage
       pageNumber = pageNumber +1
    else if employeeList.notHasNextPage
       break

googleCompany.SendNotify -> googleJob, findTheEmployee, linkedIn :
sendNotifyResult
if sendNotifyResult send fail
   googleCompany.truAgainLater
linkedIn.SendNotify -> googleJob, john : resultSendToJobhunter
if resultSendToJobhunter send fail
   linkedIn.tryAgainLater
john.GetNotify
john.ViewJobsInfo
john.SendResultToCompany -> result : resultToCompany
if resultToCompany send fail
   john.tryAgainLater

if googleCompany.GetNotify equals google job is ok
   googleCompany.MakeAppointment with john
else
   googleCompany.searchForEmployee

else if connection is null
   taxiCustomer.tryAgainLater
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