

## Design a job searching and posting platform

### Objects & Behaviours:

#### **JobSearchAndPostPlatform**

Data : jobOpenings, candidateProfiles

: setOfJobs(Collection of jobs)

:setOfProfiles (Collection of profiles)

Behaviours : Sort, SearchJobOpenings, PostJobOpenings, UploadResume

#### **JobSeeker**

Data : name, phoneNumber, linkedinId, designation, yearsOfExperience

Behaviours : searchJob, findJob, applyForJob, uploadResume, registerForCareerAdvisoryServices, acknowledgeRecruiter

#### **Recruiter**

Data : Name, openings, contactEmail, jobDescription

Behaviours : postJob, searchProfile, reviewProfile, recruitEmployee, callForInterview, notifyShortlistedEmail, notifyRejectionEmail, shortlistEmployee

#### **JobOpening**

Data : jobTitle, salary

Behaviours : openForApplication, closedForApplication

#### **CandidateProfile**

Data : resume

Behaviour :

#### **CareerAdvisoryServices**

Data : resumePreparation, interviewCrackingSkillDevelopment

Behaviour : signUpForCourse

### Sequence of invoking behaviours on objects:

JobSearchAndPostPlatform brightFutureJobs;

JobSeeker luke;

Recruiter google;

JobOpening opening;

CandidateProfile profile;

CareerAdvisoryServices resumePrep;

### Job Searching

luke. searchJobs → brightFutureJobs, designation, yearsOfExperience, role → setOfJobs:job

Loop

```
If luke.foundNoJobs
    break;
end
luke.foundDesiredjob
opening=job
if opening. isEmpty
    break;
else
    job.nextJob
end
```

End

opening=job

if opening. isEmpty or opening!=null

```
    luke.applyForJob
    luke.uploadResume
    google.reviewProfile→luke
    if (google.shortlistEmployee)
        google.notifyShortlistedEmail
        google.callForInterview→luke
        luke.acknowledgeRecruiter
    else
        google.notifyRejectionEmail
    end
```

else

Luke.searchForDifferentRole

end

### **Job Posting**

google.postJob

google.searchProfile→brightFutureJobs,jobDescription,yearsOfExperience,role→setOfProfiles:jobProfile

Loop

```
If google.foundNoProfiles
    break;
```

end

google.foundProfile

profile =jobProfile

if profile. isEmpty

break;

else

profile.nextJobProfile

end

End

profile =jobProfile

if profile. isEmpty or profile!=null

google.notifyShortlistedEmail

google.callForInterview

else

google.searchForDifferentProfile

end