

8/11/2020

CAMPUS RECRUITMENT SYSTEM

CLASS-MODEL

ITERATION 2.0

- Aakash - 2018103502
- Adithya - 2018103505

IDENTIFIED CLASSES :

Campus	admin	employer	company	student
Job	feedback	issue	notice	profile
Test	placement	interview	verify	result
Resume	upload	shortlist	person	recruitment system

REFINED CLASSES :

GOOD CLASSES

admin	company	student
Job	profile	result
Test	placement	interview
person	recruitment system	

ATTRIBUTES (excluded)

verify	notice	Resume	upload	shortlist
--------	--------	--------	--------	-----------

ROLES (excluded)

employer

IRRELEVANT (excluded)

Campus	feedback	issue
--------	----------	-------

DATA DICTIONARY :

ADMIN : Manages overall proceedings of the placement system and verifies the data uploaded by the students and the company for further processing.

COMPANY : Manages hiring procedure of the students through the recruitment software.

STUDENT : Can create a profile and apply for the job which matches his profession. The student must attend the aptitude test conducted by the company and must clear the test to attend the interview held by the employer in the particular company.

JOB : Paid position in the company for the candidates who are selected through the series of tests and interview.

PROFILE : A student maintains a profile which includes his qualification , field of interest , work experience etc. students can upload their resume in their profile which can be further verified by the admins.

RESULT : Results are published by the Admins which includes the details of the students who cleared the test round and are selected through the interview process.

PLACEMENT : Maintains all the operations of the placement. Company conducts test and the interview process is held for the student selection .

TEST : Tests are conducted by individual company based the job they offer, it has attributes like grade scored by the student and a final report to indicate the student's performance.

INTERVIEW : A part of the final placement process, which checks performance .

PERSON : Has common Attributes , it is the base class for student , admin and company.

RECRUITMENT SYSTEM : Checks for verification of the persons and maintains placement.

ATTRIBUTES :

ADMIN	<ul style="list-style-type: none">• Verify student detail• Notification• Shortlist• Post report• Manage company
COMPANY	<ul style="list-style-type: none">• Package• Post job• Update details• Create report
STUDENT	<ul style="list-style-type: none">• View noticed• Department• Resume• Gender• Qualification• Check status• Attend placement
JOB	<ul style="list-style-type: none">• Job type• Job name• Vacancies• Description
PROFILE	<ul style="list-style-type: none">• Update• Edit• Delete• Create
RESULT	<ul style="list-style-type: none">• Selected candidates• Approve recruitment• Reject recruitment
TEST	<ul style="list-style-type: none">• Grade• Results
PLACEMENT	<ul style="list-style-type: none">• Test code• Placement ID• Placement students id
INTERVIEW	<ul style="list-style-type: none">• Check performance
PERSON	<ul style="list-style-type: none">• Name• User ID• Email• Password
RECRUITMENT SYSTEM	<ul style="list-style-type: none">• Check (user id ,password)• Recruitment code

ASSOCIATION and MULTIPLICITY :

ASSOCIATION : Company *hires* students (1..*).

JUSTIFICATION : Each company which uses this RECRUITMENT SYSTEM SOFTWARE can hire one or more students.

ASSOCIATION : Students *register* Jobs (1, 1..*).

JUSTIFICATION: Each and every student can register for one or many jobs which are posted by the company.

ASSOCIATION : A company *offers* Job (1,1..*).

JUSTIFICATION : A company can offer as many as job roles to the students to register.

ASSOCIATION : Student *has* a Profile (1,0..1).

JUSTIFICATION : Each student can have only one profile . a new user has no profile , so they have to create a profile to continue the process

ASSOCIATION : Admin *verify* Profile (1,1..*).

JUSTIFICATION : Each and every admin present can verify any number of profiles which are created by the students.

ASSOCIATION : Company *checks* Profile (1,1..*).

JUSTIFICATION : All companies can reach any number of profiles which are verified by the admins after the creation.

ASSOCIATION : Recruitment system *checks* Person.

JUSTIFICATION : The RECRUITMENT SYSTEM checks the Person's user Id and password in order to login to their respective accounts to continue the process through the software.

ASSOCIATION : Recruitment system *maintains* Placements.

JUSTIFICATION: RECRUITMENT SYSTEM will maintain all the information and data and runs the placement process.

ASSOCIATION : Admin *manages* Placements (1..*,1..*).

JUSTIFICATION : Admins can also manage the placement process and maintain records about the placements.

ASSOCIATION: Admin *publishes* Results (1..,1..*).

JUSTIFICATION: After the placement process gets over , Admins can publish the results which contains the list of student's details who are selected for the job.

ASSOCIATION: Students *attend* Placements (1,1..*).

JUSTIFICATION: Each Student can attend the placement process which they have registered for and continue the procedures.

ASSOCIATION: Company *conducts* Placements (1,1..*)..

JUSTIFICATION :Companies can conduct one or more placement process through the RECRUITMENT SYSTEM depending on the vacancies in job roles.

ASSOCIATION : Job *requires* profile

JUSTIFICATION : A student or a company has to access their profile first , to use the Job class.

ASSOCIATION : Test *is a part of* placement.

JUSTIFICATION : The first step in the placement process is to take up a test.

ASSOCIATION : Interview *is a part of* placement.

JUSTIFICATION : The final step in the placement process is to attend the interview .

METHODS USED IN CLASS MODEL :

Admin

setNotice()	Admin can set notice about any updated information given by the company.
verifyAccount()	Admins can verify accounts registered by students for any faulty information.
addReport()	They can add reports about the placement process , performance of students , etc..
addResults()	After the test round , admins can post the results of students.

Company

addPackage()	Companies can add details about the job they are offering.
updateDetails()	Can modify the existing details to the updated version.
getReport()	Used to get the student's report about their performance throughout the placement process.
addJob()	Used to add jobs which are available along with their details.

Student

addResume()	Students can upload their resume .
getDepartment() ()	To get detail about their department.
getGender()	To get the gender of the students.
checkStatus()	Used to check the activity status of the account.
getNotice()	Students can get notice from admins and companies regarding any job vacancies , test dates , interviews , etc..

Job

getJobInfo()	To retrieve information regarding the jobs posted by the company.
getVacancies()	Used to get vacancies details updated by the company.
register()	A student can register for jobs
addDescription()	Companies can add details about the jobs offered.

Profile

updateProfile()	Used to change or add any information in the profile maintained by an individual.
edit profile()	A profile can be edited if required
deleteProfile()	Used to delete the profile.

createProfile()	Used to create a new profile.
------------------	-------------------------------

Result

listSelectedStudents()	To list the selected students who cleared the aptitude test round.
getRecruitmentDetail()	Used to get details about the recruitment process through the recruitment system.

Test

getGrade()	Used to obtain the grades.
getResult()	Used to get the end results.
getTestReport()	Used to generate a final report of the placement process.

Placement

addTestCode()	To add a test code conducted by the company.
getTestCode()	To retrieve the test code.

getPlacementID()	To obtain placement id which are unique for each placement conducted by the company.
getPlacementStuID()	To obtain the placement ID of students.
addPlacementStuID()	To add placement students ID.

Person

viewDetail()	To get details about the individuals for further processing and verification.
getName()	To get the name of the user.
setName()	To set a name in the profile.
getAge()	To get the age of the person.
createAccount()	To create an account in the software.
deleteAccount()	To remove the account.
setPassword()	To set or reset the password for the account.

System

check(str,str)	The system can validate the actor's accounts in the system
send notice()	The system can send notices when required

CRC TABLE :

CLASS	RESPONSIBILITY	COLLABORATION
ADMIN	Manages overall proceedings of the placement system and verifies the data.	Student, Company, Profile, Result
COMPANY	Manages hiring procedure of the students through the recruitment software.	Student, Profile, Job, placement
STUDENT	Can create a profile and apply for the job.	Placement, Profile, Job
JOB	Paid position in the company for the candidates who are selected through the series of tests and interviews.	Student, Company, Profile
PROFILE	Including his qualification , field of interest , work experience etc. students can upload their resume in their profile which can be further verified by the admins.	Student, Company, Admin
RESULT	Includes the details of the students who cleared the test round and are selected through the interview process.	Admin.
TEST	Tests are conducted by individual companies based on the job they offer, it has attributes like grade scored by the student and a final report to indicate the student's performance.	Placement, Company, Student.
PLACEMENT	Maintains all the operations of the placement. Company conducts a test and the interview process is held for the student selection .	Admin, Company, Student
INTERVIEW	A part of the final placement process, which checks performance .	Placement, Company, Student.
PERSON	It is the base class for students , admin and company.	Student, Admin, Company
RECRUITMENT SYSTEM	Checks for verification of the persons , sends notification and maintains placement	Person

CLASS DIAGRAM :

