CAMPUS RECRUITMENT SYSTEM

DOMAIN MODEL and CLASS MODEL

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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	• Verify student detail • Notification • Shortlist • Post report • Manage company
COMPANY	• Package • Post job • Update details • Create report
STUDENT	• View noticed • Department • Resume • Gender • Qualification • Check status • Attend placement
JOB	• Job type • Job name • Vacancies • Description
PROFILE	• Update • Edit • Delete • Create
RESULT	• Selected candidates • Approve recruitment • Reject recruitment
TEST	• Grade • Results
PLACEMENT	• Test code • Placement ID • Placement students id
INTERVIEW	• Check performance
PERSON	• Name • User ID • Email • Password
RECRUITMENT SYSTEM	• Check (user id ,password) • Recruitment code

ASSOCIATION and MULTIPLICITY :

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

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

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

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

ASSOCIATION A company *offers* Students (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 each 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 Admins *manages* Placements (1..*,1..*).

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

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

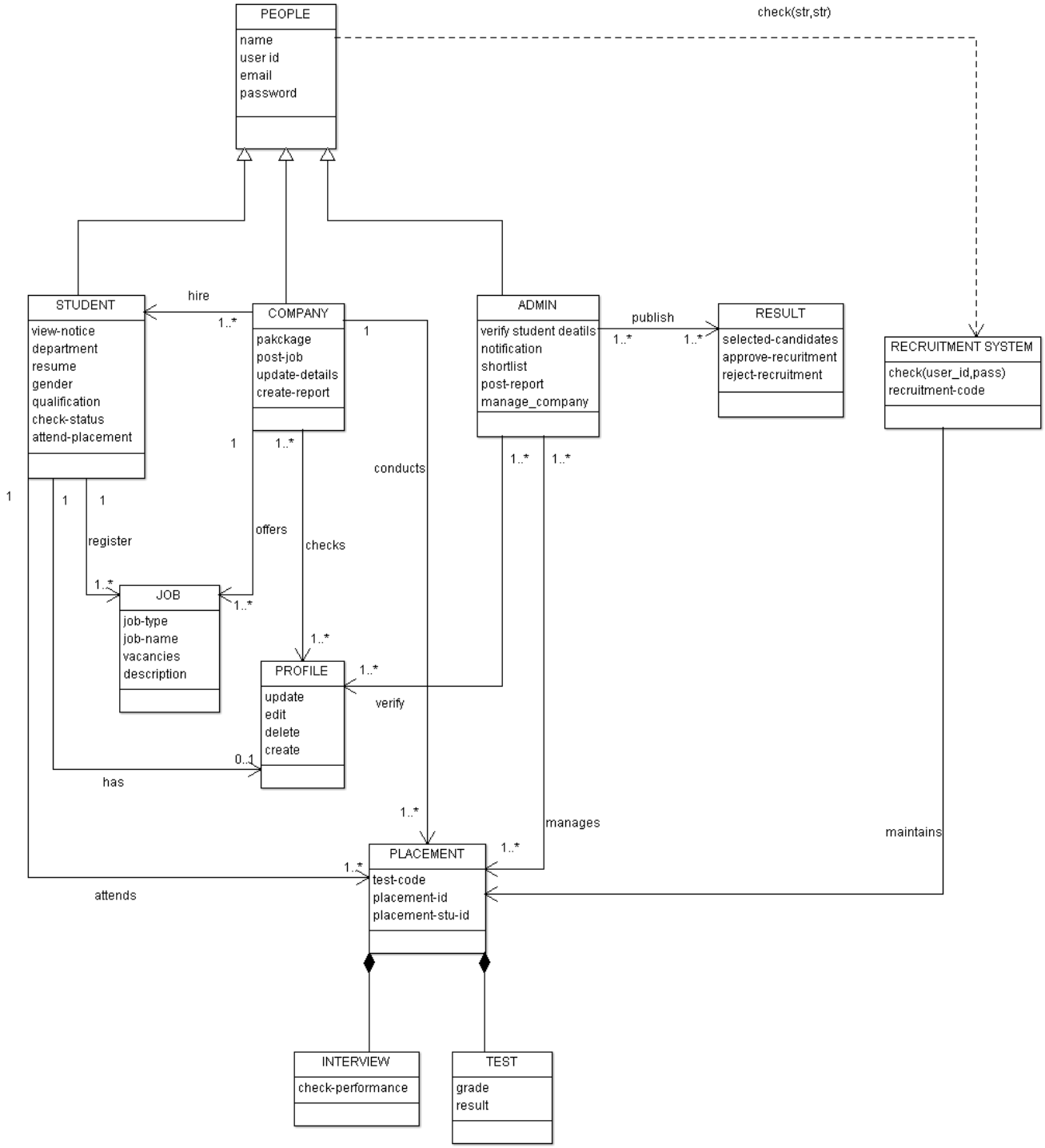
JUSTIFICATION After the placement process gets over , Admins can publish the results which contains the list of student's details who are selected for the job.

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

JUSTIFICATION Each Students 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


PEOPLE
name
user id
email
password
check(str,str)
STUDENT
view-notice
department
resume
gender
qualification
check-status
attend-placement
hire
1..*
COMPANY
pakckage
post-job
update-details
create-report
1
ADMIN
verify student deatils
notification
shortlist
post-report
manage_company
publish
1..*
1..*
RESULT
selected-candidates
approve-recuritment
reject-recruitment
RECRUITMENT SYSTEM
check(user_id,pass)
recruitment-code
1
1..*
conducts
1..*
1..*
1
1
1
register
offers
checks
1..*
1..*
JOB
job-type
job-name
vacancies
description
1..*
PROFILE
update
edit
delete
create
1..*
verify
0..1
has
1..*
manages
1..*
maintains
PLACEMENT
1..*
test-code
placement-id
placement-stu-id
attends
INTERVIEW
check-performance
TEST
grade
result

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 aptitude 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 detailed to the updated version.
getReport()	Used to get the student's report about their performance throughout the placement process.
addJob()	Used to add job 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 account.
getNotice()	Students can get notice from admins and company 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.
addDescription()	Companies can add details about the jobs offered.

Profile

updateProfile()	Used to change or add any information in the profile maintained by individual.
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 SOFTWARE

Test

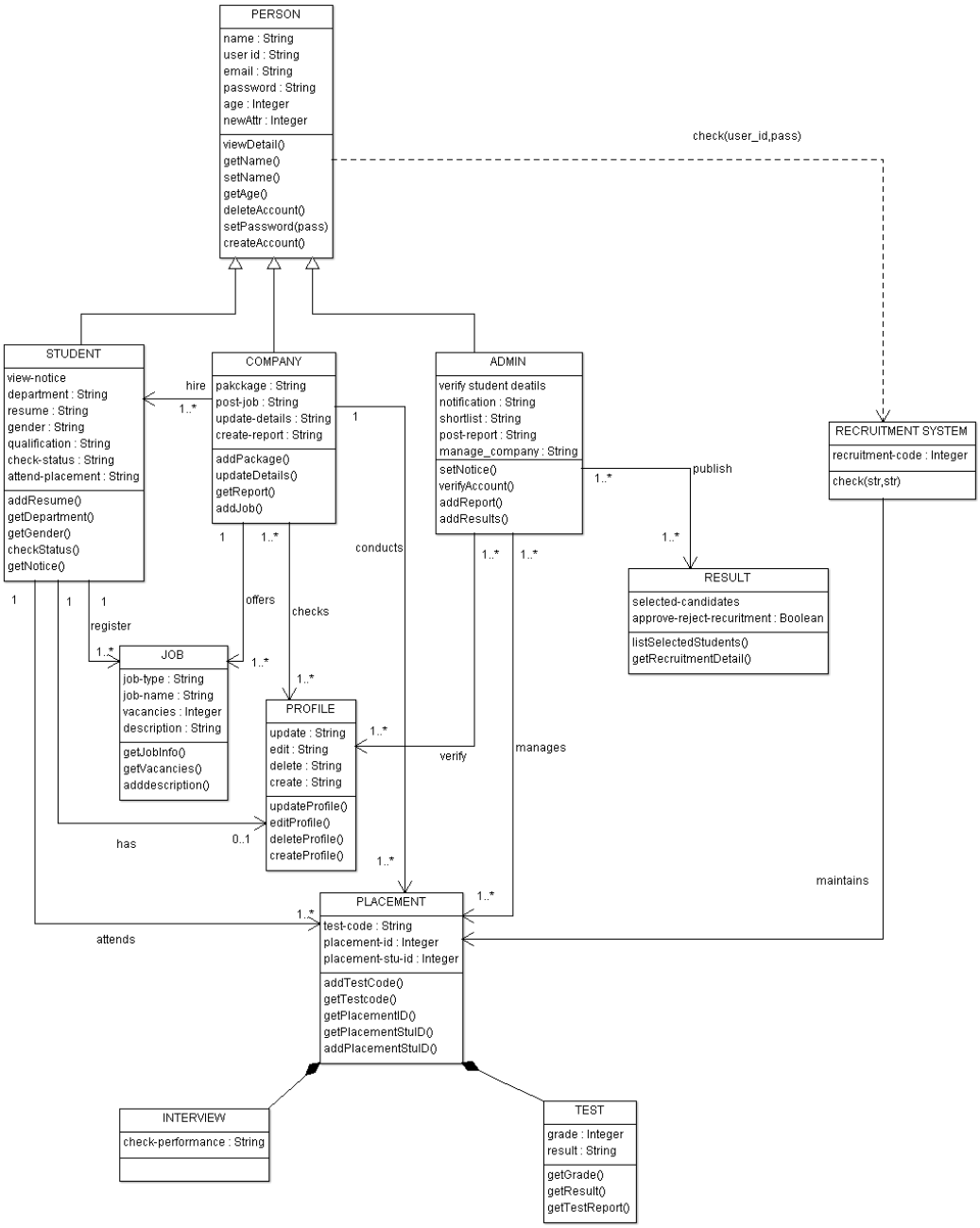
getGrade()	Used to obtain the grades.
getResult()	Used to get the end results.
getTestReport()	Used to generate a final report of the placement process.

Placement

addTestCode()	To add a test code conducted by 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 a account in the software.
deleteAccount()	To remove the account.
setPassword()	To set or reset the password for the account.


PERSON
name : String
user id : String
email : String
password : String
age : Integer
newAttr : Integer
viewDetail()
getName()
setName()
getAge()
deleteAccount()
setPassword(pass)
createAccount()
check(user_id,pass)
STUDENT
view-notice
department : String
resume : String
gender : String
qualification : String
check-status : String
attend-placement : String
addResume()
getDepartment()
getGender()
checkStatus()
getNotice()
COMPANY
pakckage : String
post-job : String
update-details : String
create-report : String
addPackage()
updateDetails()
getReport()
addJob()
ADMIN
verify student deatils
notification : String
shortlist : String
post-report : String
manage_company : String
setNotice()
verifyAccount()
addReport()
addResults()
RECRUITMENT SYSTEM
recruitment-code : Integer
check(str,str)
hire
1..*
1
publish
1..*
1..*
conducts
1..*
1..*
RESULT
selected-candidates
approve-reject-recuritment : Boolean
listSelectedStudents()
getRecruitmentDetail()
1
1
1
register
1..*
offers
checks
1..*
1..*
JOB
job-type : String
job-name : String
vacancies : Integer
description : String
getJobInfo()
getVacancies()
adddescription()
PROFILE
update : String
edit : String
delete : String
create : String
updateProfile()
editProfile()
deleteProfile()
createProfile()
1..*
verify
manages
has
0..1
1..*
maintains
1..*
1..*
PLACEMENT
test-code : String
placement-id : Integer
placement-stu-id : Integer
addTestCode()
getTestcode()
getPlacementID()
getPlacementStuID()
addPlacementStuID()
attends
INTERVIEW
check-performance : String
TEST
grade : Integer
result : String
getGrade()
getResult()
getTestReport()