

TEST SUITE

Online Placement Information Gathering System(OPIGS), Group 1 (Pranav Mehrotra, Abhijeet Singh and Saransh Sharma)

Contents

NOTE	1
CLASSES	2
1. Admin Class	2
2. Student Class	3
3. Company Class	3
4. Alumni Class	4
INTERFACES	
1. Login Interface	8
2. Signup Interface	10
3. Edit Profile Interface	10
4. Apply for Company Interface	11
5. Notification Interface	12

NOTE

For the purpose of testing a sample database with the following data is used as and when required .
References to this sample database are marked by #

1. Institute:

- a. admin (username:admin@gmail.com ,password:adminpass@1)

2. Student:

- a. student1 (username: student1@gmail.com,password:studentpass@1)
- b. student2 (username: student2@gmail.com,password:studentpass@2)
- c. student3 (username: student3@gmail.com,password:studentpass@3)

3. Company:

- a. company1 (username: company1@gmail.com,password:companypass@1)
- b. company2 (username: company2@gmail.com,password:companypass@2)
- c. company3 (username: company3@gmail.com,password:companypass@3)

4. Alumni:

- a. alumni1 (username: alumni1@gmail.com,password:alumnipass@1)
- b. alumni2 (username: alumni2@gmail.com,password:alumnipass@2)

CLASSES

1. Admin Class

1. Login:

a. Empty Fields

Username	Password
“ ”	“ ”

OUTPUT - Error message is displayed for empty username and password.

b. Correct Parameters(#)

Username	Password
“pranav”	“placement”

OUTPUT - No issues raised. Admin logged in successfully and is then able to view all details regarding students, company and alumni.

2. Student Class

1. Signup:

a. If Invalid Parameters are passed

Output - Exceptions are raised for blank fields or for entering in a particular field in incorrect format such as while entering mail id @ is not followed by a string and also for trying to sign up from an already registered email.

b. If all the Correct and Required Parameters are passed

Output - No exceptions are raised and after signup automatic login in to the student web portal takes place.

2. Login:

a. Blank Input:

Input: Username: "" Password: ""

Output: Exceptions are raised since username or password cannot be blank.

b. Invalid Input:

Input: Username: "bravo" Password: "studentpass"

Output: Exceptions Raised for Invalid username or password since this is an invalid username.(User name can only be of the format-<name>@<mailname>)

c. Invalid Input:

Input: Username: "somethingrandom@gmail.com" Password: "somepass"

Output: Exceptions Raised for Invalid username or password since this is an unregistered username.

d. Correct Input:

Input:(#): Username:"student1@gmail.com" Password:"studentpass@1"

Output: No exceptions raised and successful login took place.

- Methods

- o Verify Password: Uses the login interface. Check the test suite for the same in the interfaces section.

3. Company Class

1. Signup:

a. If Invalid Parameters are passed

Output - Exceptions are raised for blank fields, repeating the same email id which has already been registered and entering the data in incorrect format.

b. If all the Correct and Required Parameters are passed

Output - No exceptions raised. Registration is successfully done. And it moves to the next page for entering company description and then successful registration takes place and after this the Company object is made inactive in the Database and

2. Login:

a. Blank Input:

Input: Username:"" Password:""

Output: Error message is displayed since username or password cannot be blank.

b. Invalid Input:

Input: Username:"invalidcompany" Password:"companypass"

Output: Exceptions Raised for Invalid username or password since this is an invalid username.(User name can only be of the format-<name>@<mailname>)

c. Invalid Input:

Input: Username:"somerandomcompany@gmail.com" Password:"passcompany"

Output: Exceptions Raised for Invalid username or password since this is an unregistered username.

d. Correct Input:

Input:(#) Username:"company1@gmail.com" Password:"companypass@1"

Output: No exceptions raised and successful login took place.

4. Alumni Class

1. Sign up:.

a. Blank Input:

Input: Email: ""

Contact Number: ""

Roll Number: ""

First name: ""

Last name: ""

Department: ""

Year of Graduation: ""

Password: ""

Password confirmation: ""

Output: Error message is displayed since blank fields not allowed

b. Password Mismatch:

Input:

Email: "alumni3@gmail.com"

Contact Number: "6209876345"

Roll Number: "12CS10024"

First name: "Rakesh"

Last name: "Sharma"

Department: "Computer Science and Engineering"

Year of Graduation: "2017"

Password: "alumnipass@3"

Password confirmation: "alumnipass23"

Output: Exceptions raised since password doesn't match in both fields.

c. Invalid format:

Input:

Email: "alumni3"

Contact Number: "6209876345"

Roll Number: "12CS10024"

First name: "Rakesh"

Last name: "Sharma"

Department: "Computer Science and Engineering"

Year of Graduation: "2017"

Password: "alumnipass@3"

Password confirmation: "alumnipass@3"

Output: Exceptions raised since email entered is not of the form <name>@<mailname>

2. Login:

a. Blank Input:

Input: Username: "" Password: ""

Output: Error message is displayed as username or password cannot be blank.

b. Invalid Input:

Input:

Username: "randomguy"

Password: "passrandom"

Output: Exceptions Raised for Invalid username or password since this is an invalid username. (User name can only be of the format- <name>@<mailname>)

c. Invalid Input:

Input:

Username: "invalidalumni@gmail.com"

Password: "yetanotherguy"

Output: Exceptions Raised for Invalid username or password since this is an unregistered username.

d. Correct Input:

Input: (#)

Username: "alumni1@gmail.com"

Password: "alumnipass@1"

Output: No exceptions raised and successful login took place.

INTERFACES

1. Login Interface

True denotes that the test case is passed while False denotes that the test case has failed

o Testing Admin Login(#)

Username	Password	Output
admin@gmail.com	adminpass@1	True
amin@gmail.com(Incorrect)	adminpass@1	False
admin@gmail.com	adminpass@2(Incorrect)	False

o Testing Student Login(#)

Username	Password	Output
student1@gmail.com	studentpass@1	True
student1@gmail.com	studentpass(Incorrect)	False
student2@gmail.com	studentpass@2	True
student5@gmail.com (Invalid)	studentpass@5	False
student3@gmail.com	studentpass@3	True
student6@gmail.com (Invalid)	studentpass6	False

o Testing Company Login(#)

Username	Password	Output
company1@gmail.com	companypass@1	True
company1@gmail.com	companypass(Incorrect)	False
company2@gmail.com	companypass@2	True
rand@gmail.com (Invalid)	studentpass(Incorrect)	False
company3@gmail.com	companypass@3	True
company3(Invalid)	companypass@3	False

o Testing Alumni Login(#)

Username	Password	Output
alumni1@gmail.com	alumnipass@1	True
alumni1@gmail.com	alumnipass1(Incorrect)	False
alumni2(Invalid)	alumnipass@2	False
alumni2@gmail.com	alumnipass@2	True

2. Signup Interface

Signup of the following users with all correct fields and email address is tested on an database containing some data mentioned in the beginning of test suite:

Email ID	Type	Output
student4@gmail.com	Student	(True, "Signup Successful")
student3@gmail.com	Student	(False, "User already exists")
alumni3@gmail.com	Alumni	(True, "Signup Successful")
alumni4@gmail.com	Alumni	(True, "Signup Successful")
alumni1@gmail.com	Alumni	(False, "User already exists")
alumni5	Alumni	(False, "Invalid Email ID")
student4@gmail.com	Student	(False, "User already exists")
company4@gmail.com	Company	(True, "Signup Successful")
student6	Student	(False, "Invalid Email ID")
company5@gmail.com	Company	(True, "Signup Successful")
company4@gmail.com	Company	(False, "User already exists")

3. Edit Profile Interface

Database:

Student:

student 1:(username:student1@gmail.com,contact number-6203544654)

Company:

company 1:(username:company1@gmail.com,contact number-7833544654)

Alumni:

alumni 1:(username:alumni1@gmail.com,contact number-9545544654)

If contact number of student 1 is changed:

Stakeholder	Username	Contact Number
student 1	student1@gmail.com	9678979231
company 1	company1@gmail.com	7833544654
alumni 1	alumni1@gmail.com	9545544654

If contact number of company 1 is changed:

Stakeholder	Username	Contact Number
student 1	student1@gmail.com	6203544654
company 1	company1@gmail.com	9464623278
alumni 1	alumni1@gmail.com	9545544654

If contact number of alumni 1 is changed:

Stakeholder	Username	Contact Number
student 1	student1@gmail.com	6203544654
company 1	company1@gmail.com	7833544654
alumni 1	alumni1@gmail.com	620989465

4. Apply for Company Interface

Database:

Student:

Student 1:(username:student1@gmail.com)

Student 2:(username:student2@gmail.com)

Student 3:(username:student3@gmail.com)

Company:

Company 1:(username:company1@gmail.com)

Company 2:(username:company2@gmail.com)

- Hiring refers to whether the company is recruiting for that particular profile or not.

Company	Company Username	Profile	Hiring
Company 1	company1@gmail.com	Software Development	Yes
Company 1	company1@gmail.com	Data Analytics	Yes
Company 2	company2@gmail.com	Software Development	Yes
Company 2	company2@gmail.com	Data Analytics	No
Company 3	company3@gmail.com	Software Development	No
Company 3	company3@gmail.com	Data Analytics	Yes

- After some students have applied for some companies (where status indicates whether that company is present in the student's applied company list stored in the database).

Student	Student Username	Company	Company Username	Status
Student 1	student1@gmail.com	Company 1	company1@gmail.com	Applied
Student 2	student2@gmail.com	Company 1	company1@gmail.com	Not Applied
Student 3	student3@gmail.com	Company 1	company1@gmail.com	Applied
Student 1	student1@gmail.com	Company 2	company2@gmail.com	Applied
Student 2	student2@gmail.com	Company 2	company2@gmail.com	Applied
Student 3	student3@gmail.com	Company 2	company2@gmail.com	Not Applied

5. Notification Interface

Database: Subject, Notification content and date stamp would be stored for all notifications. Admin need to log in to their portal, click on notifications, type down the notification and press save. The student can now view this notification in his notification tab.

Notification Number	Subject	Description	Date Posted
1	ABC Enterprises is now hiring	Company named ABC Enterprises has now entered the recruitment process and is hiring for Software Development Profile	March 20, 2022
2	XYZ company has shortlisted the students	XYZ company has announced their shortlistings of students that are selected for further rounds of placement. The shortlisted students will receive an email regarding the further information.	March 17, 2022
3	CV upload	Students are requested to upload CVs for all profiles they are interested in.	March 10, 2022
4	CDC internships !	CDC internships would begin from 24/05/2022. Students are advised to regularly visit the placement portal.	March 5, 2022