

Software Engineering

G28 : Placement-cell

Use case documentation

Use case 1:

Use Case Name: Student Applying for a Job Profile

Actors:

- Student
- System (Placement Cell)
- Description:
- This use case describes the process by which a student applies for a job profile through the Placement Cell system.

Preconditions:

- The student must be registered and logged into the Placement Cell system.
- The student must be verified by the Admin (Placement Cell System).
 - After registration, System will verify the student profile, after that student can apply for the available job profiles.
- The student must be eligible for the particular job profile.

Postconditions:

- The student's application is recorded in the system.
- The student receives a confirmation of the application.

Main Flow:

1. Student Selects Job Profile
 - The student logs into the Placement Cell system.
 - The student navigates to the job listings or job profile section.
 - The student selects a job profile they are interested in applying for.
2. Student Updates Details
 - The student can edit their profile and update their resume before registering for the job profile.
3. Student Submits Application
 - The Student registers for the job.
4. Confirmation
 - The system sends a confirmation email to the student, acknowledging the successful submission of the application.
 - The system records the application in the database, associating it with the student's profile and the job profile.

Alternative Flows:

- Invalid Application (Step 2)
If the updated details contain errors, the system displays an error message and prompts the student to correct the issues before registration .
The student may choose to abandon the application or correct the errors.

Exception Flows:

- System Error
If there is a system error during any step of the process, such as database unavailability or server issues, the system displays an error message and advises the student to try again later.

Special Requirements:

- The system should ensure the security and confidentiality of student data.
- The system should provide an efficient way for students to track the status of their applications.

Use case 2:

Use Case Name: Company Adding Job Profile

Actors:

- Company Representative
- System (Placement Cell)

Description:

This use case describes the process by which a company representative adds a job profile to the Placement Cell system for students to apply.

Preconditions:

- The company representative must be registered and logged into the Placement Cell system.
- The company must be verified and approved by the admin to use the system.

Postconditions:

- The job profile is added to the system and made available for students to view and apply.
- The company representative receives a confirmation of the job profile addition.

Main Flow:

1. The company representative logs into the Placement Cell system.
2. The company representative navigates to the "Add Job Profile" section.
3. Company Representative Fills in Job Profile Details
4. The company representative submits the job profile for inclusion in the system.
5. Confirmation
6. The system sends a confirmation email to the company representative, acknowledging the successful addition of the job profile.
7. The system records the job profile in the database and associates it with the company's profile.

Alternative Flows:

- Invalid Job Profile Details (Step 3):
 - If the company representative enters incomplete or invalid information in the job profile form, the system should display an error message and prompt the representative to correct the issues before submission.
 - The company representative may choose to abandon the profile creation

or correct the errors.

Exception Flows:

- System Error (Throughout):
 - If there is a system error during any step of the process, such as database unavailability or server issues, the system should display an error message and advise the company representative to try again later.

Special Requirements:

- The system should ensure the security and confidentiality of company data.
- The system should provide an efficient way for companies to manage and edit their job profiles.
- The system should allow companies to specify preferred application methods (e.g., apply through the system, external link).

Use case 3:

Use Case Name: Admin Managing Student and Company

Actors:

- Admin
- System (Placement Cell)

Description:

- This use case describes the process by which an admin manages student and company profiles within the Placement Cell system.

Preconditions:

- The admin must be logged into the Placement Cell system.

Postconditions:

- Student and company profiles are updated or managed according to the admin's actions.

Main Flow:

1. The admin logs into the Placement Cell system.
2. The admin selects the option to manage student profiles.
3. Admin Views Student Profiles
 - The system displays a list of student profiles.
 - The admin can search, filter, and view individual student profiles.
4. The admin can edit student profiles
5. The admin selects the option to manage company profiles.
6. Admin Views Company Profiles
 - The system displays a list of company profiles.
 - The admin can search, filter, and view individual company profiles.
7. Admin Edits Company Profiles

Alternative Flows:

- Admin Adds New Student or Company (Step 3 or 6):
 - The admin has the ability to add new student or company profiles to the system.
 - The system presents a form for the admin to fill in the necessary details.

Exception Flows:

- System Error (Throughout):
 - If there is a system error during any step of the process, such as database unavailability or server issues, the system should display an error message and advise the admin to try again later.

Special Requirements:

- The system should ensure that admin actions are audited and logged for security and accountability.
- The admin should have the capability to suspend or block student or company profiles in case of violations or inappropriate behavior.
- The system should provide tools for the admin to communicate with students and companies if necessary.