

**OBJECT ORIENTED ANALYSIS & DESIGN**

**SCHOLARSHIP - SELECTION  
SYSTEM**

**S.K.RISHEEK RAKSHIT**

**2018103580**

**SUMAIYA FATHIMA K.S**

**2018103607**

## **Finding Actors and goals:**

### ***Primary Actors:***

- 1) Student
- 2) Organization

### ***Secondary Actors:***

- 1) Administrator

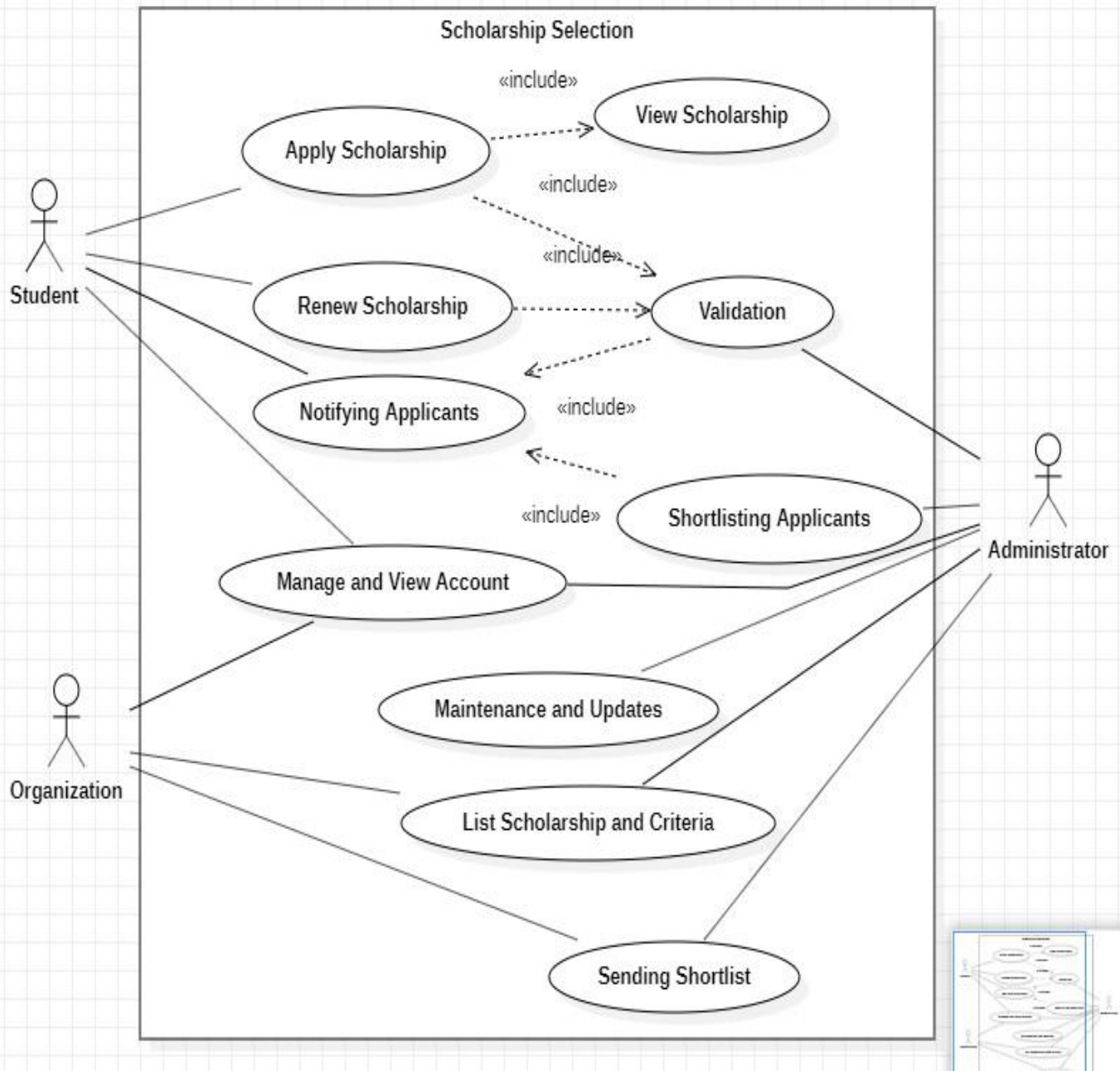
## **Actor & Goals:**

<i>Actor</i>	<i>Goal</i>
Student	View and apply for scholarships. Renew ongoing scholarship. Manage his/her own account.
Organization	Provide Scholarships along with some criteria and finalizes the candidates for the scholarships.
Administrator	Has access to all the accounts of both students and organizations and is responsible for maintenance and updating the entire selection system.

## **Flow of Events:**

An organization provides a list of scholarships along with its details to the administrator. The administrator makes this list visible to the students. Students can view and select the scholarships and apply for it. The student uploads the necessary details and documents. The system validates the details, verifies the document and checks whether the student is eligible for the scholarship. The student receives a notification on successful validation and is nominated for shortlisting process. The admin shortlists the students and the system notifies the students regarding the result and updates the student's account. Then the system sends the list of selected students to the organization's account.

# USE CASE DIAGRAM



## **Use Cases:**

### **1) View Scholarship:**

➤ **Description:**

Students can view the list of available scholarships along with its eligibility criteria.

➤ **Actors Involved:**

- ✧ Student
- ✧ Administrator

➤ **Preconditions:**

Students should have an account and must be logged in.

➤ **Flow:**

- ✧ The admin makes the list of scholarships visible to the students.
- ✧ The students can view the scholarship details, along with its criteria.

### **2) Apply Scholarship**

➤ **Description: \_**

If a student wants to apply for a scholarship, he/she can fill the form available and attach the necessary documents.

➤ **Actors Involved:**

- ✧ Student

➤ **Preconditions:**

Students must have an account and must have some scholarship to select from.

➤ **Flow:**

The student must fill the form provided in this section and must also upload the necessary documents.

➤ **Success Scenario:**

On success, the student is entitled for validation process.

### **3) List Scholarship and criteria**

➤ **Description:**

The organization provides the details of the scholarships along with its eligibility criteria to the administrator.

➤ **Actors Involved:**

- ✧ Organization
- ✧ Administrator

➤ **Preconditions:**

The organization must have an account in the portal and must be verified by the administrator.

➤ **Flow:**

If the organization wants to provide a scholarship, the organization contacts the admin regarding the scholarship details along with deadline.

➤ **Success Scenario:**

On success, admin acknowledges the organization and makes the scholarship visible for students.

➤ **Exception Scenario:**

If the details provided are not sufficient, the organization is asked to submit the details again.

#### 4) **Renew Scholarship**

➤ **Description:**

If there is an option of renewing a scholarship, the student can apply for renewal and then the validation process continues.

➤ **Actors Involved:**

✧ Student

➤ **Precondition:**

The student must have already been benefited by the scholarship and its tenure must be about to end.

➤ **Success Scenario:**

On success, the student is directed to validation process.

➤ **Exception Scenario:**

If the student's deadline for renewing, then he can't proceed further and is basically directed towards applying a new scholarship.

#### 5) **Validation**

➤ **Description:**

When a student applies for a scholarship, the details filled by the applicant are used to check whether the details filled are authentic, applicant matches the criteria given and finally the documents uploaded are verified.

➤ **Actors Involved:**

✧ Administrator (only for document verification)

➤ **Precondition:**

Student must have successfully applied for the scholarship.

➤ **Flow:**

✧ Initially, the details of the application are checked with the student's profile.

✧ The details are checked with the company's criteria.

✧ In the final stage of this process, the document is verified by the admin.

➤ **Scenario:**

After every stage, the students must be notified about the progress, and only on passing all the three stages, the student is nominated for shortlisting process.

## 6) Notifying Applicants

### ➤ **Description:**

The applicants are notified about the status of success and failure at each stage of the process.

### ➤ **Flow:**

If any use case triggers it the system, sends the status of the application in the ongoing process.

## 7) Shortlisting Applicants

### ➤ **Description:**

The system selects few students from the eligible candidates based on some criteria given by the organization.

### ➤ **Actors Involved:**

Administrator (only for passing on the criteria)

### ➤ **Preconditions:**

The students must have successfully completed all the stages of verification.

### ➤ **Flow:**

Admin passes on the criteria provided by the organization.

The system shortlists the students based on this criteria.

### ➤ **Success Scenario:**

On success, the applicant is notified and his details are added to the final list.

## 8) Manage and View Account

### ➤ **Description:**

The student and the organization can view or edit their details. Student can check the application status.

### ➤ **Actors Involved:**

✧ Student

✧ Organization,

✧ Administrator

### ➤ **Precondition:**

Both the student and the organization must have an account in the portal.

## 9) Maintenance and Updates

### ➤ **Description:**

The administrator has overall control over the accounts of students and organization and can update the details in each account if changes occur.

### ➤ **Actors Involved:**

✧ Administrator

➤ **Flow:**

If a student gets selected for the scholarship, admin can modify the applicant's account like changing the attributes regarding scholarships rewarded, fee deduction etc.

**10) Sending Shortlist**

➤ **Description:**

The list of shortlist candidates is informed to the organization.

➤ **Actors Involved:**

Administrator

Organization

➤ **Precondition:**

Shortlisting procedure must be completed.

➤ **Flow:**

After the shortlisting process is over, a list of selected candidates is sent to the admin and only after the approval from the admin, the final shortlist is sent to the organization.