GROUP 5.9

Name - Rushikesh Nalla

ID - 201401106

Name - Omkar Damle

ID - 201401114

CASE STUDY 2

PROBLEM DESCRIPTION

Database for Organizations providing Student Scholarships

Consider an organization that provides **scholarship** to Students based on **different criteria**. These scholarships are sponsored by different **people** and **organizations**. Each of them may provide different criteria for scholarship. Some prefer Students with good **academic performance** others prefer to provide scholarships to students going for **foreign education and some to poor and needy students**. Design and develop a system that efficiently handles all these features.

**Need of a centralized system:**

A scholarship is an important component concerning education for an individual. For some, the scholarship serves as a means of motivation and for others it makes education possible by providing financial support. There are many types of scholarships available.

**Types of scholarships:**

There are a number of types of scholarships:

1. merit and academic scholarships
2. research scholarships
3. minority scholarships (caste and women)
4. need based scholarships
5. sports scholarships
6. community service scholarships
7. first in family scholarships
8. legacy scholarships
9. military scholarships
10. Mens and moms scholarships
11. Special talent scholarships

All these scholarships are available for students from different backgrounds. Some scholarships are based on academic performance, while some are based on ethnicity. There are scholarships for students who require economic assistance. Some scholarships are provided for those who provide possess specific skills in sports or arts.

In conclusion, it is important to inform students about the different types of scholarships and help them in deciding which one is best suited for them.

**Entities involved:**

The main entities involved will be:

1. Colleges and universities

Colleges and universities will be associated with the students. It will be the responsibility of our organisation to handle the funds and ensure that they reach the universities.

2. Students

Students will be the ones most benefited from this software.

3. Scholarship providers

Various government and private funding companies help in providing the funds.

**Features provided:**

1.A centralized system to view all available scholarships

Many a times, students spend a lot of time searching for scholarship information. Because of less publicity, some scholarships are not known by students. Spreading awareness of scholarships is an important feature of the application.

Additionally, it will be easier for the applicant to search for different scholarships at one place.

He/she can gauge his options and apply wisely to scholarships where he/she has a good chance of getting selected.

The centralized system will be helpful to the scholarship providers too. They need not spend their resources in making a reliable software for managing the scholarship process.

2. Two types of accounts – one for applicant and another one for scholarship provider.

The software platform will have two types of accounts - one for the applicant and another one for the scholarship provider organisation.

3. Authentication and storing relevant documents at a single place

A student may apply to a number of scholarships because he is not sure whether he will get selected in a particular scholarship. In this case, he/she will have to fill the application form for each scholarship individually. Instead if the student uses this software, he/she can fill all his personal and academic details only once. This eases the application process.

.

4. Previous years records of successful scholarship recipients

Many a times, a student would like to know about his/her seniors who got selected in scholarships in which he/she is interested in. If such records of previous scholarship applications are stored in the software and provided on the website, then it will be easier for the student to gauge his/her chances of getting selected.

**Anticipated challenges:**

1. Different types of requirements for different types of scholarships:

As explained previously, there are a number of scholarships and they fall into different categories. Hence making a general software which manages the scholarship process is a difficult task.

2. Good search system for applicants to find scholarships for which they are applicable:

There are so many types of scholarships having different criteria, suggesting the best scholarships applicable to them is a challenging task. Even the best search algorithm could face issues in providing accurate results.

3. Management of finances in a reliable way:

There are various organisations providing funds for students and managing all the finances would be hectic because those organizations need to provide the funds on time so as to meet with the deadlines of paying the college fee.

4. Verification of documents:

Nowadays students are providing false documents in relation to their financial situation just to satisfy the criteria for various scholarships. These need to be validated which would be a tedious task. Even the college transcripts could be fallacious and many other documents could be erroneous.