**GROUP 5.9**

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**USE CASE DIAGRAM(WITH ALTERNATE FLOWS)**

**CENTRALISED SCHOLARSHIP MANAGEMENT SYSTEM**

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| Identifier | Use Case 1 |
| Name | Apply for scholarship |
| Actors | Student, College DB |
| Description | The student applies for a particular scholarship |
| PreCondition | 1. User must be logged in the system 2. He/she must satisfy the basic criterias for the scholarship |
| PostCondition | The student will receive a confirmation email about his application submission. |
| Basic Flow | Student enters some basic filtering criteria for viewing scholarships(field of study, level of study). Based on the criteria, a list of scholarships is shown. The student selects a particular scholarship from the list. The details of the scholarship are shown. The student starts applying for the scholarship by filling the form [A1][A2].The academic details of the student are pre-filled according to his profile.[A3] The student uploads any additional documents if required.[A4]. The software confirms from the college DB that the selected candidate does not have any existing scholarship[A5]. After evaluation, the status of the applicant for that particular scholarship is updated. |
| Alternate Flow | [A1] : There may not exist any scholarships which match the criteria set by the student. In such a case, the student is prompted to change the criteria and use case starts afresh.  [A2] : The deadline for the scholarship might be over. In such a case, an error message is shown and the student is shown the list of scholarships again.  [A3] : If some additional details are required by the application, the student is required to fill them.  [A4] : The format of the documents is checked with the required format. If it does not match, the student is prompted to resubmit in the required format.  [A5] : If the candidate has an existing scholarship, he/she will be prompted to first discontinue that scholarship and then apply for a new scholarship.(Assumption : A particular student can receive only one scholarship at a particular time instant.) |

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| Identifier | Use Case 2 |
| Name | Introduce/Edit scholarship |
| Actors | Funding organisation |
| Description | The funding organisation introduces a new scholarship in the system or updates or deletes an existing scholarship. |
| PreCondition | 1. The funding organisation must be logged in. 2. The funding organisation should be verified by the software manager. |
| PostCondition | The scholarship is shown publicly on the portal and available for application. |
| Basic Flow | In case of a new scholarship, the funding organisation enters the details(eligibility, funding) of the scholarship in the system.Otherwise, the organisation can edit the scholarship application criterias and information related to the scholarship(funding amount, duration of scholarship, etc)[A1][A2] Additionally, they specify the application form and the relevant documents required. The software manager verifies the authenticity of the scholarship and if the organisation has the financial capability of providing the scholarship.[A3] Finally, the organisation gives its consent to make the new/modified scholarship available to the public. The scholarship is added to the database of the system and shown publicly. |
| Alternate Flow | [A1] : The organisation must select the criteria for selection available in the portal. For example, the criteria can be academic parameters, maximum family income. If the criteria is not available for selection, the organisation can request the portal to include that criteria.  [A2] : The organisation may want to delete the scholarship. In such a case, the portal verifies that no students are currently getting the scholarship and then allows for deletion. The scholarship is no longer shown on the portal. The use case ends.  [A3] : If the software manager rejects the scholarship, then the provider is informed about the decision and the reason behind the decision. |

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| Identifier | Use Case 3 |
| Name | Select candidates |
| Actors | Funding Organization |
| Description | The funding organization looks at all the applicants and takes a decision depending on their requirements. Students are notified about their selection. |
| PreCondition | 1. Scholarship application period is completed. 2. Students have applied for the scholarship. |
| PostCondition | The candidates are requested to inform about their acceptance/rejection of the scholarship. |
| Basic Flow | After the application deadline is over, our system starts filtering out the candidates based on the criteria provided[A1]. The candidate list is sent to the funding organisation [A2]. The system notifies the candidates of their status(accepted/rejected) through email/phone call. |
| Alternate Flow | [A1] : Incomplete applications(if present) will be discarded before criteria filtering is done.  [A2] : The funding organisation may do a further subjective evaluation of the applicants before sending the final list to our system. |

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| Identifier | Use Case 4 |
| Name | Pay Scholarship |
| Actors | Funding organisation, Bank |
| Description | The funding organisation pays the scholarship amount to the selected candidates using their bank account details |
| PreCondition | The selection process of the scholarship candidates is finished |
| PostCondition | The candidate is informed about the transfer of funds. |
| Basic Flow | The funding organisation informs the system to start transfer of funds to the selected candidates. The system checks the eligibility of the selected candidates.(the system needs to check the eligibility each semester).[A1] The bank is informed about the student’s bank accounts details and told to initiate the transaction. On successful transfer, the bank account sends the receipt to the system.[A2] The system sends the receipt to the student. |
| Alternate Flow | [A1] : If the candidate is no longer eligible, he/she is informed about the same and the scholarship is discontinued.  [A2] : If the transfer is not successful due to wrong bank account details, the student is informed about the same. After the student changes the details, the transaction is done again. |

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| Identifier | Use Case 5 |
| Name | Accept/Reject Scholarship |
| Actors | Student |
| Description | The students receive a scholarship offer and they accept or reject the scholarship. |
| PreCondition | 1. Student has applied for that particular scholarship. 2. He was selected for that scholarship by the funding organization. |
| PostCondition | After all the students have confirmed their decisions, the payment of scholarship is initiated by the funding organisation. |
| Basic Flow | Selected students are informed about their selection. Students accept the scholarship and send their acceptance.[A1]. Students are requested to recheck their bank account details before the funds are transferred.[A2]. The funding organisation is informed about the student’s decision. |
| Alternate Flow | [A1] : A student may reject the scholarship as he/she may have got other better offers. In such a case, the student is not awarded the scholarship.  [A2] : A student may change the bank account details if he/she wishes to. |

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| Identifier | Use Case 6 |
| Name | User Login |
| Actors | Student, Funding Organization |
| Description | A login page for the user to enter the system. |
| PreCondition | User has an account in the portal. |
| PostCondition | User gains access to the system and is directed to homepage. |
| Basic Flow | User opens portal. The system prompts user for account credentials. Student enters his user ID and password. The system authenticates the credentials.[A1]. The user is directed to the homepage. |
| Alternate Flow | [A1] : If the login is unsuccessful, the user is requested to try again. |

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| Identifier | Use Case 7 |
| Name | Manage account |
| Actors | Student, funding organisation |
| Description | The user can register and update profile. |
| PreCondition | For updating profile, user must be logged in. |
| PostCondition | The updated profile is reflected in the corresponding database. |
| Basic Flow | User requests the system for editing his profile and the system grants it[A1]. User fills in his details and edits the profile. Upon finishing, user is asked for confirmation.[A2] The updated profile is stored in the database. |
| Alternate Flow | [A1] : If the user is not registered, user is first registered in the system.  [A2] : If user does not confirm, user is taken back to the editing page. |
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**USE CASE DIAGRAM -**

