# Phase 3

# Use Case diagram

Diagram

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# Use Case Description TEMPLATE

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| --- | --- | --- |
| Use Case Name: Maintain Student Records | ID:1 | Importance Level: High |
| Primary Actor: Registrar | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  Registrar wants to collect information about students. The collected student records can then be seen by students. | | |
| Brief Description:  This Use Case shows how to maintain student records using an internet-accessible student record system. | | |
| Trigger: The office of registrar wanting to maintain record  Type: external | | |
| Relationships: Association:  Students, Office of Registrar and Advisors  Extend: Update Student Record, Add new student to record | | |
| Normal Flow of Events:   1. Registrar collects student information 2. The system shows the available student record 3. Execute updates student record use case | | |
| Sub Flows:  1.Complete registration form  2. Determine the services available for new student  3.Execute new student record | | |
| Alternate/Exceptional Flows: Execute Update Student Record | | |

Diagram

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Figure 1: Activity Diagram for the maintain student record Use Case

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| Use Case Name: Add new student to record | ID:1-1 | Importance Level: High |
| Primary Actor: Registrar | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  The office of registrar wants to add new students based on the documents they provide. This allows new students to be in the record system. | | |
| Brief Description:  This Use Case shows how to add new student into the record system so they can view available classes (online or in person) using an internet-accessible student record system. | | |
| Trigger: Registrar wanting to add new students  Type: External | | |
| Relationships: Association:  Students, Office of Registrar and Advisors | | |
| Normal Flow of Events:   1. Students fill out new student record form 2. Registrar Verify student information 3. Student can access Student Record System. | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows: If students are having issues accessing the record, they should access Communicate real-time use case. | | |

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Figure 2: Activity Diagram for the Add student Use Case

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| Use Case Name: Update Student Record | ID:1-2 | Importance Level: High |
| Primary Actor: Registrar | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  Students want to view available classes and register for it. This let’s continuing students update their information in the student record system | | |
| Brief Description:  This Use Case shows how to keep the student record system updated. | | |
| Trigger: Students request to update their records  Type: External | | |
| Relationships: Association:  Students, Office of Registrar and Advisors | | |
| Normal Flow of Events:   1. Students request to see available information in the record system. 2. The system shows their current information 3. Registrars updates the new information 4. Students can access the updated version. | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows:  If students are having issues accessing the record, they should access Communicate real-time use case. | | |

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Figure 3: Activity Diagram for the Update student Record Use Case

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| Use Case Name: Maintain Course Record | ID:2 | Importance Level: High |
| Primary Actor: Registrar | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  Registrar wants to display available courses along with pre-requisites to students. They also update available courses in the record. | | |
| Brief Description:  This Use Case shows how to maintain available course record using an internet-accessible student record system. | | |
| Trigger: Registrar wants to update the new record system and new courses  Type: external | | |
| Relationships: Association:  Students, Office of Registrar and Advisors | | |
| Normal Flow of Events:   1. Registrar update course details in the system 2. The system shows the available course records in a list form 3. Students choose the option that works for them view record | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows: If students are having error accessing the record, they should access Communicate real-time use case | | |

Diagram

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Figure 4: Activity Diagram for the Maintain Course Record Use Case

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| Use Case Name: Maintain Class Record | ID:3 | Importance Level: High |
| Primary Actor: Students | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  Registrar wants to display available classes along with the professors, time, modality, and availability of the class. | | |
| Brief Description:  This Use Case shows how to maintain available class record (online or in person) using an internet-accessible student record system offered for various courses. | | |
| Trigger: registrar wants to update the new record system and classes  Type: External | | |
| Relationships: Association:  Students, Office of Registrar and Advisors | | |
| Normal Flow of Events:   1. Registrar update class details in the system 2. The system shows the available class records in a list form 3. Students choose the option that works for them 4. Students are either enrolled or waitlisted | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows: If students are having issues accessing the record, they should access Communicate real-time use case | | |

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Figure 5: Activity Diagram for the Maintain Class Record Use Case

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| Use Case Name: Communicate real time | ID:4 | Importance Level: High |
| Primary Actor: Students | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  Students want to get assistance while they try to register for classes electronically. | | |
| Brief Description:  This Use Case shows how students can get a real time assistance from advisors/ IT support or the office of registrar | | |
| Trigger: Students request to communicate real-time  Type: external | | |
| Relationships: Association:  Students, Office of Registrar and Advisors  Extend:  Online Login System | | |
| Normal Flow of Events:   1. Students request to talk to advisors, registrar, or IT support 2. The system shows the list of available support team 3. Students choose the option that works for them | | |
| Sub Flows:  1.Students request to see their available course record  2. Students are required to fill out an online login system to request a real-time communication assistance.  3. Determine whether service is available  4.Execute communication in real time | | |
| Alternate/Exceptional Flows: Try this step during registrar office hour 7am-5pm central time. | | |

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Figure 6: Activity Diagram for the Communicate real-time Use Case

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| Use Case Name: Drop classes | ID:5 | Importance Level: High |
| Primary Actor: Students | Use Case Type: detail, Essential | |
| Stakeholders and Interests:  Students want to drop classes they were enrolled in for several reasons. This allows them to drop the classes that do not work for their schedules. | | |
| Brief Description:  This Use Case shows how to let students drop classes that conflict with their schedules. | | |
| Trigger: Students request to drop class  Type: External | | |
| Relationships: Association:  Students, Office of Registrar and Advisors  Extends:  Online Login System | | |
| Normal Flow of Events:   1. Students request to see enrolled classes 2. The system lets them pick the class they want to drop 3. Registrar verifies the drop | | |
| 1. Sub Flows:   1.Students request to see their current class schedule  2. Students are required to go to the Online Login System  3. Students can request to drop the class they do not want to take  3. Determine whether service is available  4.Execute Drop Class | | |
| Alternate/Exceptional Flows: If students are having issues accessing the record, they should access Communicate real-time use case. | | |

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Figure 7: Activity Diagram for the Drop Class Use Case

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| Use Case Name: Register a student for classes | ID:6 | Importance Level: High |
| Primary Actor: Students | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  Students want to view available classes and register for it. It also shows the grades earned in previous classes. | | |
| Brief Description:  This Use Case shows how to maintain available class record (online or in person) using an internet-accessible student record system. | | |
| Trigger: Students request to see their records  Type: External | | |
| Relationships  Association:  Students, Office of Registrar and Advisors  Extends  Online Login System | | |
| Normal Flow of Events:   1. Students go to the Online Login System 2. The system shows the available classes records in a list format 3. Students choose the option that works for them | | |
| Sub Flows:  1.Students go to the Online Login System  2.Students request to see their available class  3. Determine whether service is available  4.Execute registration | | |
| Alternate/Exceptional Flows: If students are having error accessing the record, they should access Communicate real-time use case | | |

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Figure 8: Activity Diagram for the Register a student for classes Use Case

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| Use Case Name: Online login systems | ID:5-1 | Importance Level: High |
| Primary Actor: Students | Use Case Type: Detail, Essential | |
| Stakeholders and Interests:  Students want to view available classes and register for it. This online login system needs to be completed before proceeding with registration, dropping a class or communication real time. | | |
| Brief Description:  This Use Case shows that students need to get to online login system before being able to communicate real-time, drop and register for classes. | | |
| Trigger: Students request to see their records  Type: External | | |
| Relationships: Association:  Students, Office of Registrar and Advisors | | |
| Normal Flow of Events:   1. Students go to the Online Login System 2. The system shows the available information on student records 3. Students can look for classes they want to register for 4. Students can get real-time communication with advisors/registrars 5. Students can drop classes they do not want to take 6. Any change will be updated in the student record system. | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows: If students are having error accessing the record, they should access Communicate real-time use case | | |

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Figure 9: Activity Diagram for Online login systems Use Case