**Tasks**

1. List possible objects in the registration system, including their attributes and methods.

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| --- | --- | --- |
| OBJECT? | ATTRIBUTES? | METHOD (actions) |
| Campus |  |  |
| Student | (PhoneNumber, MobileNumber, EmailAddress, HomeAddress, Emergency Contact, Employer, EmplNumber, Scholarships, Grants, TuitionTotal, TuitionPaid, TuitionBalance, Organizations, Program, Gender, Ethnicity, Military, Marriage, Children, Disability) | Get, Enter, Update, Display, Delete |
| Courses | (CompletedCourses, CurrentCourses, CoursesPassed, CoursesFailed, WithdrawnCourses, DroppedCourses, TransferCourses, ProgramCoursesCompleted, ProgramCoursesNeeded, CurrentGrade, CurrentPercentage, Assignments, Quiz, AssignmentScore, QuizScore, Exam, ExamScore, ) | Get, Enter, Update, Display, Delete |
| Instructors | (Course, OfficeNumber, ClassNumber, OfficeHours, CourseHours, PhoneNumber, Email) | Get, Enter, Update, Display, Delete |
|  |  |  |

1. Identify possible use cases and actors.

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| --- | --- |
| ACTORS | CASES |
| STUDENT | ENTERS DATA, READS DATA |
| INSTRUCTORS | READ DATA, ENTER DATA (related to courses) |
| ADMINISTRATION | ENTERS DATA, UPDATE DATA, READ DATA, DISPLAY DATA |

1. Create a use case diagram that shows how students register.



1. Create a state transition diagram that describes typical student states and how they change based on specific action and events.

