

Student Success Tracker
Class Diagram (Pseudo Code)
Dustin, Nazrin and Terry

Class: Student

1) FUNCTION Student(studentID, firstName, lastName, email, status, program, department, startDate)

 RETURN studentID
 RETURN firstName
 RETURN lastName
 RETURN email
 RETURN status
 RETURN program
 RETURN department
 RETURN startDate
END FUNCTION

2) FUNCTION getFirstName(): string

 RETURN firstName
END FUNCTION

3) FUNCTION getLastName(): string

 RETURN lastName
END FUNCTION

4) FUNCTION getEmail(): string

 RETURN email
END FUNCTION

5) FUNCTION getStatus(): string

 RETURN status
END FUNCTION

6) FUNCTION getProgram(): string

 RETURN program
END FUNCTION

7) FUNCTION getDepartment(): string

 RETURN department
END FUNCTION

8) FUNCTION getStartDate(): date

```
    RETURN firstName
END FUNCTION
```

```
9) FUNCTION setFirstName(firstName: string)
    SET self.firstName to firstName
END FUNCTION
```

```
10) FUNCTION setLastName(LastName: string)
    SET self.lastName to lastName
END FUNCTION
```

```
11) FUNCTION setEmail(Email: string)
    SET self.email to email
END FUNCTION
```

```
12) FUNCTION setStatus(status: string)
    SET self.status to status
END FUNCTION
```

```
13) FUNCTION setProgram(program: string)
    SET self.program to program
END FUNCTION
```

```
14) FUNCTION setDepartment(department: string)
    SET self.department to department
END FUNCTION
```

```
15) FUNCTION setStartDate(startDate: date)
    SET self.startDate to startDate
END FUNCTION
```

Class: Advisor

```
1) FUNCTION Advisor(advisorID, firstName, lastName, department)
    RETURN advisorID
    RETURN firstName
    RETURN lastName
    RETURN email
    RETURN department
END FUNCTION
```

```
2) FUNCTION getFirstName(): string
```

```
        RETURN firstName
    END FUNCTION
```

```
3) FUNCTION getLastName(): string
    RETURN lastName
END FUNCTION
```

```
4) FUNCTION getEmail(): string
    RETURN email
END FUNCTION
```

```
5) FUNCTION getDepartment(): string
    RETURN department
END FUNCTION
```

```
6) FUNCTION setFirstName(firstName: string)
    SET self.firstName to firstName
END FUNCTION
```

```
7) FUNCTION setLastName(LastName: string)
    SET self.lastName to lastName
END FUNCTION
```

```
8) FUNCTION setEmail(Email: string)
    SET self.email to email
END FUNCTION
```

```
9) FUNCTION setDepartment(department: string)
    SET self.department to department
END FUNCTION
```

Class: Activity

```
1) FUNCTION Activity(activityID, activityType, title, date, description)
    RETURN activityID
    RETURN activityType
    RETURN title
    RETURN date
    RETURN description
END FUNCTION
```

```
2) FUNCTION getActivityType(): string
```

```
    RETURN activityType  
END FUNCTION
```

```
3) FUNCTION getTitle(): string  
    RETURN title  
END FUNCTION
```

```
4) FUNCTION getDate(): date  
    RETURN date  
END FUNCTION
```

```
5) FUNCTION getDescription(): string  
    RETURN description  
END FUNCTION
```

```
6) FUNCTION setActivityType(activityType: string)  
    SET self.activityType to activityType  
END FUNCTION
```

```
7) FUNCTION setTitle(title: string)  
    SET self.title to title  
END FUNCTION
```

```
8) FUNCTION setDate(Date: date)  
    SET self.date to date  
END FUNCTION
```

```
9) FUNCTION setDescription(description: string)  
    SET self.description to description  
END FUNCTION
```

Class: Course

```
1) FUNCTION Course(courseID, credits, instructor, startDate, grade, semester)  
    RETURN courseID  
    RETURN credits  
    RETURN instructor  
    RETURN startDate  
    RETURN grade  
    RETURN semester  
END FUNCTION
```

```
2) FUNCTION getCourseID(): string
```

```
        RETURN courseID  
END FUNCTION
```

```
3) FUNCTION Credits(): int  
        RETURN credits  
END FUNCTION
```

```
4) FUNCTION getInstructor(): string  
        RETURN instructor  
END FUNCTION
```

```
5) FUNCTION getStartDate(): date  
        RETURN startDate  
END FUNCTION
```

```
6) FUNCTION getGrade(): int  
        RETURN grade  
END FUNCTION
```

```
7) FUNCTION getSemester(): string  
        RETURN semester  
END FUNCTION
```

```
8) FUNCTION setCourseID(courseID: string)  
        SET self.courseID to courseID  
END FUNCTION
```

```
9) FUNCTION setCredits(credits: int)  
        SET self.credits to credits  
END FUNCTION
```

```
10) FUNCTION setInstructor(instructor: string)  
        SET self.instructor to instructor  
END FUNCTION
```

```
11) FUNCTION setStartDate(startDate: date)  
        SET self.startDate to startDate  
END FUNCTION
```

```
12) FUNCTION setGrade(grade: int)  
        SET self.program to program  
END FUNCTION
```

```
13) FUNCTION setSemester(semester: string)
    SET self.semester to semester
END FUNCTION
```

Class: Student

```
1) FUNCTION Student(studentID, firstName, lastName, email, status, program, department,
startDate)
```

```
    RETURN studentID
    RETURN firstName
    RETURN lastName
    RETURN email
    RETURN status
    RETURN program
    RETURN department
    RETURN startDate
END FUNCTION
```

```
2) FUNCTION getFirstName(): string
    RETURN firstName
END FUNCTION
```

```
3) FUNCTION getLastName(): string
    RETURN lastName
END FUNCTION
```

```
4) FUNCTION getEmail(): string
    RETURN email
END FUNCTION
```

```
5) FUNCTION getStatus(): string
    RETURN status
END FUNCTION
```

```
6) FUNCTION getProgram(): string
    RETURN program
END FUNCTION
```

```
7) FUNCTION getDepartment(): string
    RETURN department
END FUNCTION
```

```
8) FUNCTION getStartDate(): date
```

```
    RETURN firstName
END FUNCTION
```

```
9) FUNCTION setFirstName(firstName: string)
    SET self.firstName to firstName
END FUNCTION
```

```
10) FUNCTION setLastName(LastName: string)
    SET self.lastName to lastName
END FUNCTION
```

```
11) FUNCTION setEmail(Email: string)
    SET self.email to email
END FUNCTION
```

```
12) FUNCTION setStatus(status: string)
    SET self.status to status
END FUNCTION
```

```
13) FUNCTION setProgram(program: string)
    SET self.program to program
END FUNCTION
```

```
14) FUNCTION setDepartment(department: string)
    SET self.department to department
END FUNCTION
```

```
15) FUNCTION setStartDate(startDate: date)
    SET self.startDate to startDate
END FUNCTION
```

Class: Goal

```
1) FUNCTION Goal(goalID, goalDescription, goalType, targetDate, status)
    RETURN goalID
    RETURN goalDescription
    RETURN goalType
    RETURN targetDate
    RETURN status
END FUNCTION
```

```
2) FUNCTION getGoalID(): string
    RETURN goalID
```

END FUNCTION

3) FUNCTION getGoalDescription(): string
 RETURN goalDescription

END FUNCTION

4) FUNCTION getGoalType(): string
 RETURN goalType

END FUNCTION

5) FUNCTION getTargetDate(): date
 RETURN TargetDate

END FUNCTION

2) FUNCTION getStatus(): string
 RETURN status

END FUNCTION