CAMPUS CONNECT

Members:

Senam Dzomeku – Cohort A

Brigidi Blay – Cohort A

Jemima Nhyira Antwi – Cohort A

Papa Yaw Badu – Cohort A

The primary aim of our project is to enhance university student life through a dynamic application designed to facilitate student connections and support academic decision-making. This platform serves as a pivotal tool by helping students select hostels that fit their personal and financial needs.
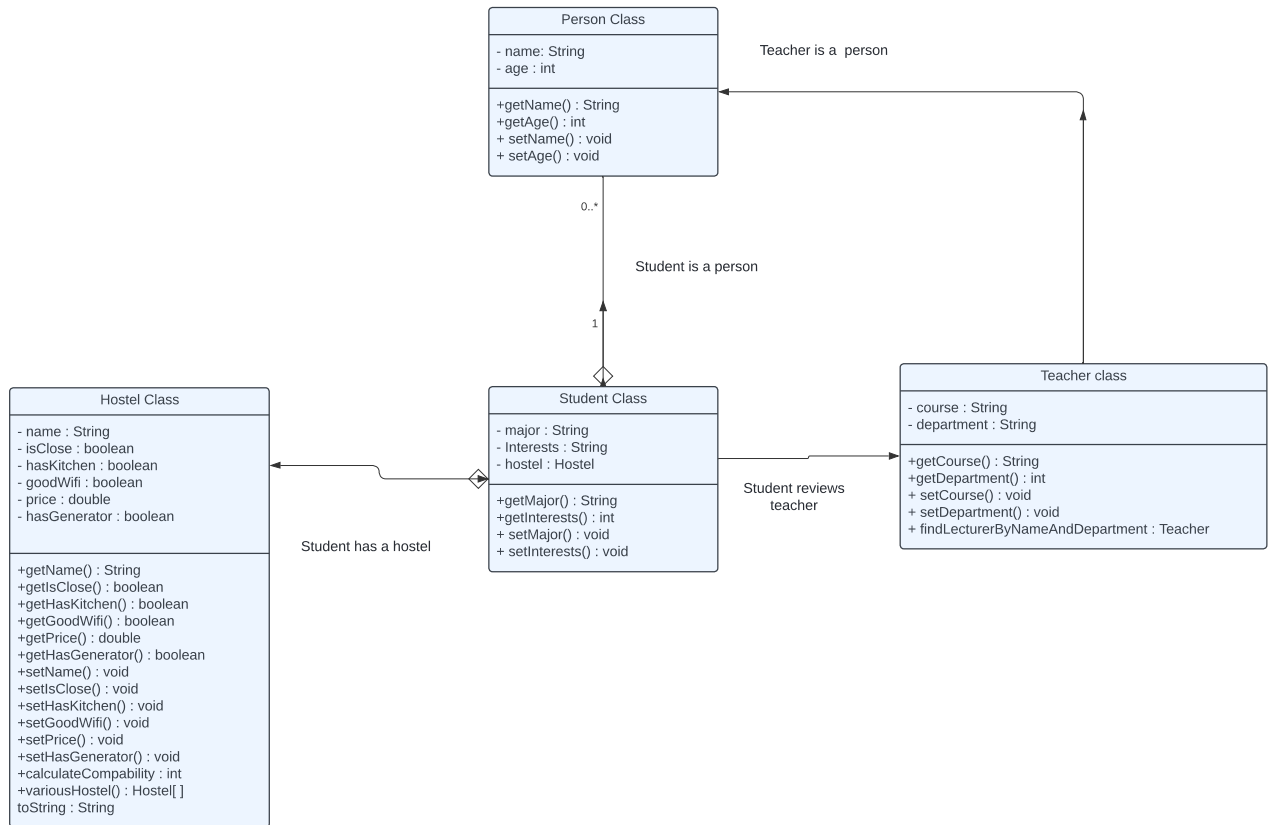
Additionally, our application offers a comprehensive feature set that allows students to evaluate and review teachers. This functionality aids in making informed decisions when selecting courses, driven by user-generated ratings and comments on instructors. By providing students with this data, our application ensures that their educational experiences are well-aligned with their preferences and academic goals.

Class Descriptions:

• **Person Class**: Serves as the superclass for both the **Teacher** and **Student** classes, encapsulating common attributes such as **name** and **age**, along with corresponding accessor and mutator methods.

• **Student Class**: Inherits from the **Person** class and includes specific attributes such as **major** and **interests**. It integrates with controller classes that utilize its getters and setters to manage student data effectively.

• **Hostel Finder Class**: Manages a catalog of hostels, each characterized by features like Wi-Fi availability, presence of generators, kitchen facilities, and proximity to campus. It recommends hostels based on students' budgetary constraints and personal preferences.

• **Teacher Class**: Contains attributes relevant to academic staff, including methods for finding lecturers by name and department. This class plays a crucial role in the application's teacher evaluation feature, interfaced through various controller classes.

Our project not only supports practical needs like finding suitable living arrangements but also enhances academic experiences by providing valuable insights into instructional quality.

UML DIAGRAM

Person Class

- name: String
- age : int

+getName() : String
+getAge() : int
+ setName() : void
+ setAge() : void

Teacher is a person

0..*

Student is a person

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Hostel Class

- name : String
- isClose : boolean
- hasKitchen : boolean
- goodWifi : boolean
- price : double
- hasGenerator : boolean

+getName() : String
+getIsClose() : boolean
+getHasKitchen() : boolean
+getGoodWifi() : boolean
+getPrice() : double
+getHasGenerator() : boolean
+setName() : void
+setIsClose() : void
+setHasKitchen() : void
+setGoodWifi() : void
+setPrice() : void
+setHasGenerator() : void
+calculateCompability : int
+variousHostel() : Hostel[ ]
toString : String

Student has a hostel

Student Class

- major : String
- Interests : String
- hostel : Hostel

+getMajor() : String
+getInterests() : int
+ setMajor() : void
+ setInterests() : void

Student reviews
teacher

Teacher class

- course : String
- department : String

+getCourse() : String
+getDepartment() : int
+ setCourse() : void
+ setDepartment() : void
+ findLecturerByNameAndDepartment : Teacher

STATEMENT OF CONTRIBUTIONS

Senam Dzomeku – Senam Dzomeku mostly worked on the Graphical User Interface with Javafx

Brigidi Blay – Brigidi Blay designed and implemented the hostel class and created the person class.

Jemima Nhyira Antwi – Worked on the teacher class with Papa Yaw Badu and also created the Student class

Papa Yaw Badu – Papa Yaw Badu carried out the research on the topic matter and collected evidence on why the problem we are tackling was of significance.

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