Per person:

One model class, corresponding factory class, factory test class, repository and repository test class. (Don’t forget the builder classes)

UML:

Saved in the read me file of the project.

Entities:

Student (Nur)

* studentID (String) – Unique identifier
* firstName (String) – Student's first name
* lastName (String) – Student's last name
* grade (String) – Grade or class
* dateOfBirth (Date) – Student's date of birth

Classroom (Mckallan)

* classroomID (String) – Unique identifier
* className (String) – Name of the class (e.g., "Grade 10 - A")
* teacherName (String) – Teacher assigned to the class
* studentList (List<Student>) – Students assigned to this class

attendance record (Ross)

* recordID (String) – Unique identifier
* student (Student) – Reference to the student
* date (Date) – Date of attendance
* status (Enum: PRESENT, ABSENT, LATE) – Attendance status
* remarks (String) – Optional notes

teacher (Aidan)

* teacherID (String) – Unique identifier
* firstName (String) – Teacher's first name
* lastName (String) – Teacher's last name
* subject (String) – Subject taught

attendance report (Keagan)

* reportID (String) – Unique identifier
* student (Student) – Reference to the student
* startDate (Date) – Start date for the report
* endDate (Date) – End date for the report
* totalDaysPresent (int) – Number of days present
* totalDaysAbsent (int) – Number of days absent
* totalDaysLate (int) – Number of times late