

Student Module Overview

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Relevant Topics

A **grade span** covers multiple years of school and can be defined by the administrator. A plan can not exceed a grade span. The purpose of defining grade spans is to help set academic goals and gates.

A **grade level** is the student's year in school, first grade, second grade, third grade and so on. The term 'grade level' is used to differentiate between the grade or mark a student received in a class and the year the student is in.

Schools refer to legal definitions in a jurisdiction of various grade levels. In the US this is Elementary School, grades K through 5, Middle School grades 6 through 8, and high school, grades 9 through 12.

A **term** is the division of the academic year into grading periods. Terms may be semesters or quarters. The term record is a record that indicates the start and end date of each term. Multiple terms are related to academic years. Terms are also related to a Term Label record.

Enrollment is the process of signing up for a class. An enrollment record in the PEMS is the class a student takes in a specific term, and stores the student's final grade. The set of completed enrollments is the information displayed on the student's transcript.

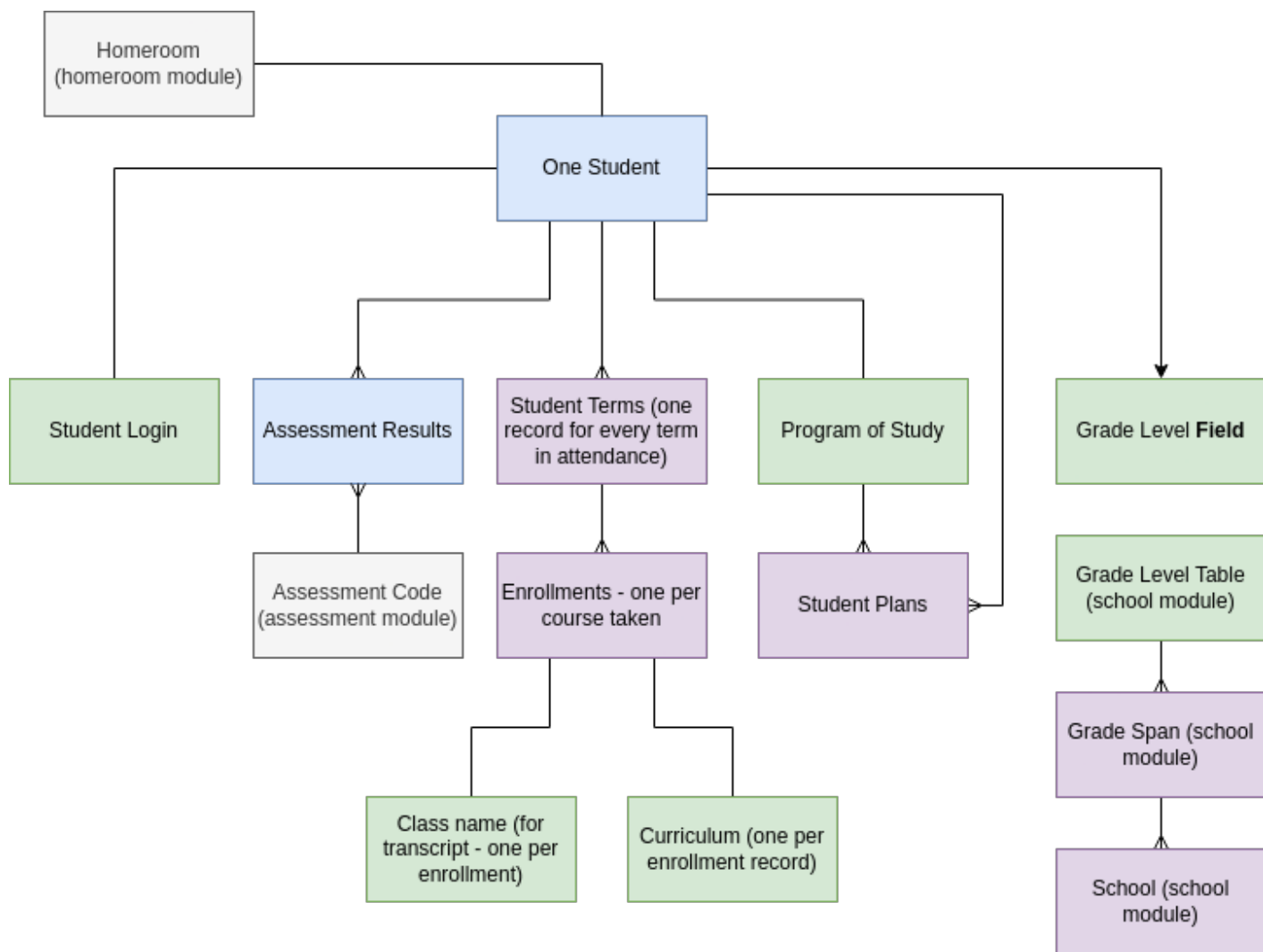
The **plans** are sometimes referred to as "Programs of Study." Plans are defined by the administrator as a series of classes taken across all subjects to meet an educational objective or graduation requirements over a grade span. Any number of plans may be developed, and a student may be assigned only one plan at a time. The plan contains the information needed to auto-enroll student in their classes (create enrollment records) in each term covered by the plan.

On the partner's enrollment site, prospective students complete an enrollment form. In that enrollment form, the submitter selects a location. This location in the enrollment is considered a **homeroom** in PEMS. When a club or organization adds new location, a new homeroom record must be added to the PEMS homeroom table.

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The primary function of the SIS is to track student information, so the student table is the heart of the solution. One record is created for each student during the registration process.

Data Relationships



Students are assigned to one homeroom. This homeroom is used to place the student in the correct group in Moodle so that only approved people can see their Moodle progress.

Each student is assigned a program of study, which outlines the classes and the curriculum each student should take in which term, using enrollment template records. As a student completes a plan, they will be assigned a new plan, therefore a student can have multiple related plan records.

Each student is in a grade level, they may enter a number 0 through 12. The grade level is a field in the student record, which allows PEMS to look up and auto-enter the student's school and grade span.

For every term the student attends the school, PEMS creates a student term record. For example, the school term may be names Fall 2023, but the student term would be Fall 2023 SVG, including the student initials to indicate the record pertains only to that one student.

For every term the student attends the school, the student takes classes or rather, Moodle courses. An enrollment record is created for each class the student takes. The enrollment record specifies the class name that appears on the transcript, the specific curriculum which is the Moodle Course, and in which student term the student is taking that class, and the grade level of the

student.

When student take assessments, their results are stored in the assessment results table.

Students require log-ins to the platform. One login record is created to store all logins. The student login records are used to create the Moodle login and Key Cloak SSO user.

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