

Sapos domain model

```
classDiagram
    class CustomVariable {
        description string (255)
        value text (255)
        variable string (255) *
    }
    class ReportConfiguration {
        image string (255)
        name string (255)
        order integer *
        scale decimal (10,8) *
        signature_footer boolean
        text text *
        use_at_grades_report boolean
        use_at_report boolean
        use_at_schedule boolean
        use_at_transcript boolean
        x integer *
        y integer *
    }
    class User {
        confirmation_sent_at datetime
        confirmation_token string (255)
        confirmed_at datetime
        current_sign_in_at datetime
        current_sign_in_ip string (255)
        email string (255) * U
        encrypted_password string (255) *
        failed_attempts integer
        hashed_password string (255)
        last_sign_in_at datetime
        last_sign_in_ip string (255)
        locked_at datetime
        name string (255) * U
        remember_created_at datetime
        reset_password_sent_at datetime
        reset_password_token string (255)
        role_id integer * FK
        salt string (255)
        sign_in_count integer
        unlock_token string (255)
    }
    class Role {
        description string (255) *
        name string (50) *
    }
    class Course {
        available boolean
        code string (255) * U
        content text
        course_type_id integer FK
        credits integer *
        name string (255) * U
        workload integer *
    }
    class ResearchArea {
        code string (255) * U
        name string (255) * U
    }
    class CourseResearchArea {
        course_id integer FK
        research_area_id integer FK
    }
    class CourseClass {
        course_id integer FK
        name string (255)
        professor_id integer FK
        semester integer *
        year integer *
    }
    class Allocation {
        course_class_id integer FK
        day string (255) *
        end_time integer *
        room string (255)
        start_time integer *
    }
    class ClassEnrollment {
        course_class_id integer FK
        disapproved_by_absence boolean
        enrollment_id integer FK
        grade integer
        obs text
        situation string (255) *
    }
    class PaperTrailVersion {
        event string (255) *
        item_id integer * FK
        item_type string (255) *
        object text
        whodunnit string (255)
    }
    class PhaseDuration {
        deadline_days integer
        deadline_months integer
        deadline_semesters integer
        level_id integer FK
        phase_id integer FK
    }
    class EnrollmentHold {
        active boolean
        enrollment_id integer FK
        number_of_semesters integer *
        semester integer *
        year integer *
    }
    class ScholarshipDuration {
        cancel_date date
        end_date date
        enrollment_id integer * FK
        obs text
        scholarship_id integer * FK
        start_date date
    }
    class ScholarshipSuspension {
        active boolean
        end_date date *
        scholarship_duration_id integer FK
        start_date date *
    }
    class ThesisDefenseCommitteeParticipation {
        enrollment_id integer FK
        professor_id integer FK
    }
    class Deferral {
        approval_date date *
        deferral_type_id integer FK
        enrollment_id integer FK
        obs string (255)
    }
    class DismissalReason {
        description text
        name string (255) * U
        show_advisor_name boolean
        thesis_judgement string (255) *
    }
    class Dismissal {
        date date *
        dismissal_reason_id integer FK
        enrollment_id integer FK
        obs text
    }
    class StudentMajor {
        major_id integer * FK
        student_id integer * FK
    }
    class StudentApplication {
        application_process_id integer FK
        student_id integer FK
    }
    class FormField {
        default string
        field_type string
        form_template_id integer FK
        is_mandatory boolean
        name string
    }
    class FormFieldInput {
        form_field_id integer FK
        input string
        student_application_id integer FK
    }
    class FormFieldValue {
        form_field_id integer FK
        is_default boolean
        value string
    }
    class LetterRequest {
        access_code string
        professor_email string
        professor_institution_id integer FK
        professor_name string
        professor_telephone string
        student_application_id integer FK
    }
    class LetterFieldInput {
        form_field_id integer FK
        input string
        letter_request_id integer FK
    }
    class Notification {
        body_template text *
        frequency string (255) *
        individual boolean
        next_execution datetime
        notification_offset string (255) *
        query_id integer * FK
        subject_template string (255) *
        title string (255)
        to_template string (255) *
    }
    class NotificationLog {
        body text
        notification_id integer FK
        subject string (255)
        to string (255)
    }
    class NotificationParam {
        active boolean *
        notification_id integer FK
        query_param_id integer FK
        value string (255)
    }
    class Query {
        description string (255)
        name string (255)
        sql text
    }
    class QueryParam {
        default_value string (255)
        name string (255) *
        query_id integer FK
        value_type string (255) *
    }
    class Version {
        event string (255) *
        item_id integer *
        item_type string (255) *
        object text
        whodunnit string (255)
    }
    class Country {
        name string (255) * U
        nationality string
    }
    class State {
        code string (255) * U
        country_id integer FK
        name string (255) * U
    }
    class City {
        name string (255) *
        state_id integer FK
    }
    class Institution {
        code string (255)
        name string (255) * U
    }
    class Major {
        institution_id integer FK
        level_id integer FK
        name string (255) *
    }
    class ScholarshipType {
        name string (255) * U
    }
    class Student {
        address string (255)
        birth_city_id integer FK
        birth_state_id integer FK
        birthdate date
        city_id integer FK
        civil_status string (255)
        cpf string (255) * U
        email string (255)
        employer string (255)
        father_name string (255)
        mother_name string (255)
        identity_issuing_body string (255)
        identity_issuing_place string (255)
        identity_number string (255)
        job_position string (255)
        mother_name string (255)
        name string (255) *
        neighborhood string (255)
        obs text
        photo string (255)
        sex string (255)
        telephone1 string (255)
        telephone2 string (255)
        zip_code string (255)
    }
    class ApplicationProcess {
        end_date date
        form_template_id integer FK
        letter_template_id integer FK
        name string
        semester integer
        start_date date
        total_letters integer
        year integer
    }
    class FormTemplate {
        description string
        is_letter boolean
        name string
    }
    class EnrollmentStatus {
        name string (255) * U
    }
    class Level {
        course_name string (255)
        default_duration integer *
        name string (255) * U
    }
    class Sponsor {
        name string (255) * U
    }
    class Professor {
        academic_title_country_id integer FK
        academic_title_date date
        academic_title_institution_id integer FK
        academic_title_level_id integer FK
        address string (255)
        birthdate date
        city_id integer FK
        civil_status string (255)
        cpf string (255) * U
        email string (255)
        enrollment_number string (255) U
        identity_expedition_date string (255)
        identity_issuing_body string (255)
        identity_issuing_place string (255)
        identity_number string (255)
        institution_id integer FK
        name string (255) *
        neighborhood string (255)
        obs text
        sex string (255)
        siapa string (255)
        telephone1 string (255)
        telephone2 string (255)
        zip_code string (255)
    }
    class Scholarship {
        end_date date
        level_id integer FK
        obs text
        professor_id integer FK
        scholarship_number string (255) * U
        scholarship_type_id integer FK
        sponsor_id integer FK
        start_date date
    }
    class Enrollment {
        admission_date date
        enrollment_number string (255) * U
        enrollment_status_id integer FK
        level_id integer FK
        obs text
        research_area_id integer FK
        thesis_defense_date date
        thesis_title string (255)
    }
    class Phase {
        description string (255)
        extend_on_hold boolean
        is_language boolean
        name string (255) * U
    }
    class PhaseCompletion {
        completion_date datetime
        due_date datetime
        enrollment_id integer * FK
        phase_id integer * FK
    }
    class Accomplishment {
        conclusion_date date
        enrollment_id integer FK
        obs string (255)
        phase_id integer FK
    }
    class DeferralType {
        description string (255)
        duration_days integer
        duration_months integer
        duration_semesters integer
        name string (255) *
        phase_id integer FK
    }
    class Advisement {
        enrollment_id integer * FK
        main_advisor boolean
        professor_id integer * FK
    }
    class CourseType {
        allow_multiple_classes boolean *
        has_score boolean
        name string (255) * U
        schedulable boolean
        show_class_name boolean
    }
    class ProfessorResearchArea {
        professor_id integer FK
        research_area_id integer FK
    }
    class AdvisementAuthorization {
        level_id integer FK
        professor_id integer FK
    }
    class CustomVariable <--> ReportConfiguration
    class CustomVariable <--> User
    class CustomVariable <--> Role
    class CustomVariable <--> Course
    class CustomVariable <--> ResearchArea
    class CustomVariable <--> CourseResearchArea
    class CustomVariable <--> CourseClass
    class CustomVariable <--> Allocation
    class CustomVariable <--> ClassEnrollment
    class CustomVariable <--> PaperTrailVersion
    class CustomVariable <--> PhaseDuration
    class CustomVariable <--> EnrollmentHold
    class CustomVariable <--> ScholarshipDuration
    class CustomVariable <--> ScholarshipSuspension
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    class CustomVariable <--> Dismissal
    class CustomVariable <--> StudentMajor
    class CustomVariable <--> StudentApplication
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    class CustomVariable <--> FormFieldInput
    class CustomVariable <--> FormFieldValue
    class CustomVariable <--> LetterRequest
    class CustomVariable <--> LetterFieldInput
    class CustomVariable <--> Notification
    class CustomVariable <--> NotificationLog
    class CustomVariable <--> NotificationParam
    class CustomVariable <--> Query
    class CustomVariable <--> QueryParam
    class CustomVariable <--> Version
    class CustomVariable <--> Country
    class CustomVariable <--> State
    class CustomVariable <--> City
    class CustomVariable <--> Institution
    class CustomVariable <--> Major
    class CustomVariable <--> ScholarshipType
    class CustomVariable <--> Student
    class CustomVariable <--> ApplicationProcess
    class CustomVariable <--> FormTemplate
    class CustomVariable <--> EnrollmentStatus
    class CustomVariable <--> Level
    class CustomVariable <--> Sponsor
    class CustomVariable <--> Professor
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    class CustomVariable <--> PhaseCompletion
    class CustomVariable <--> Accomplishment
    class CustomVariable <--> DeferralType
    class CustomVariable &lt
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