

The Class Model is a logical model of the software system under construction. Classes generally have a direct relationship to source code or other software artifacts that can be grouped together into executable components.

The System package contains the classes and artifacts which are being built or designed as part of the current model. The Frameworks package generally contains classes and components that have been designed and built earlier and are being reused as part of the current project.

[Read about Class Modeling](#)

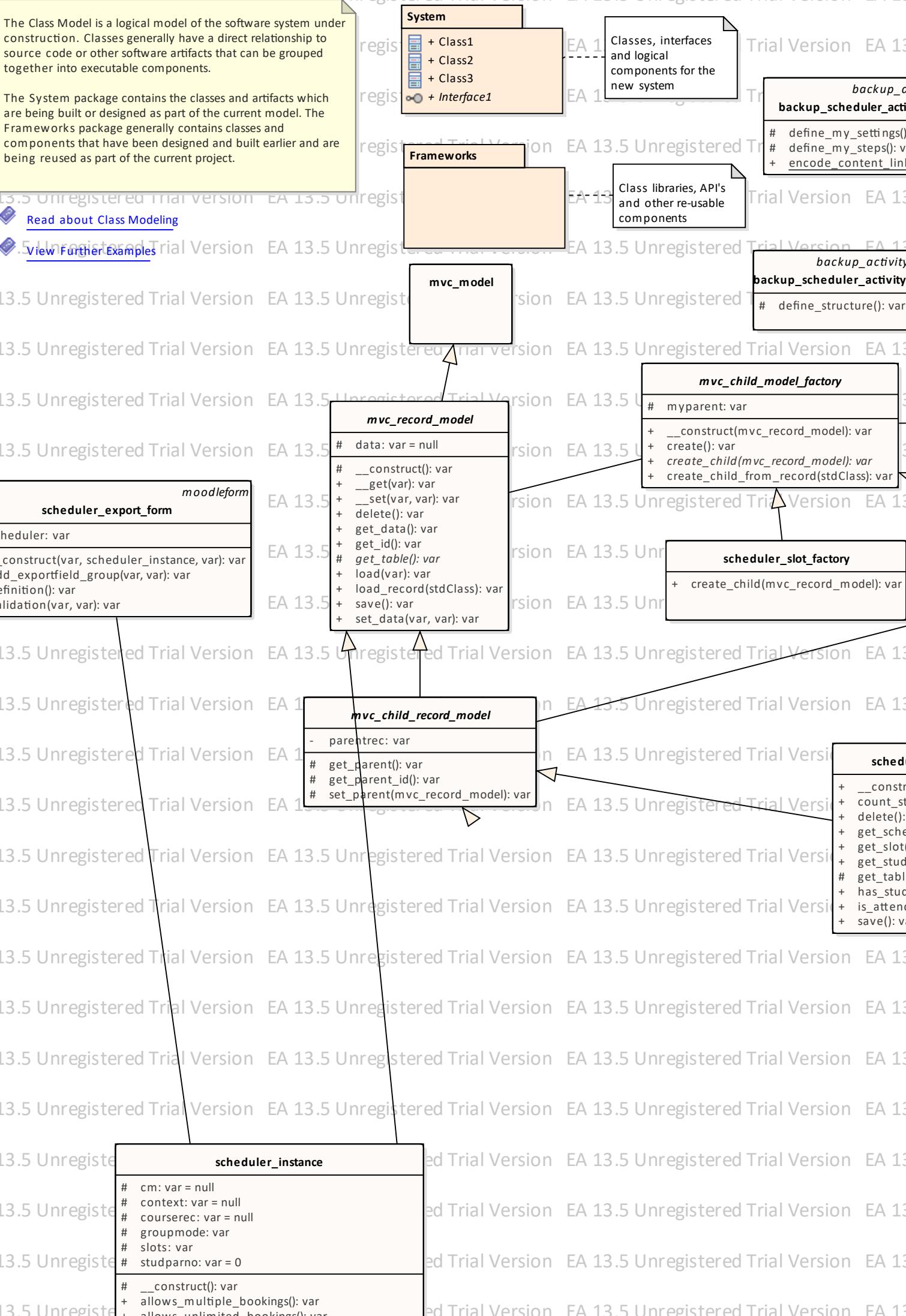
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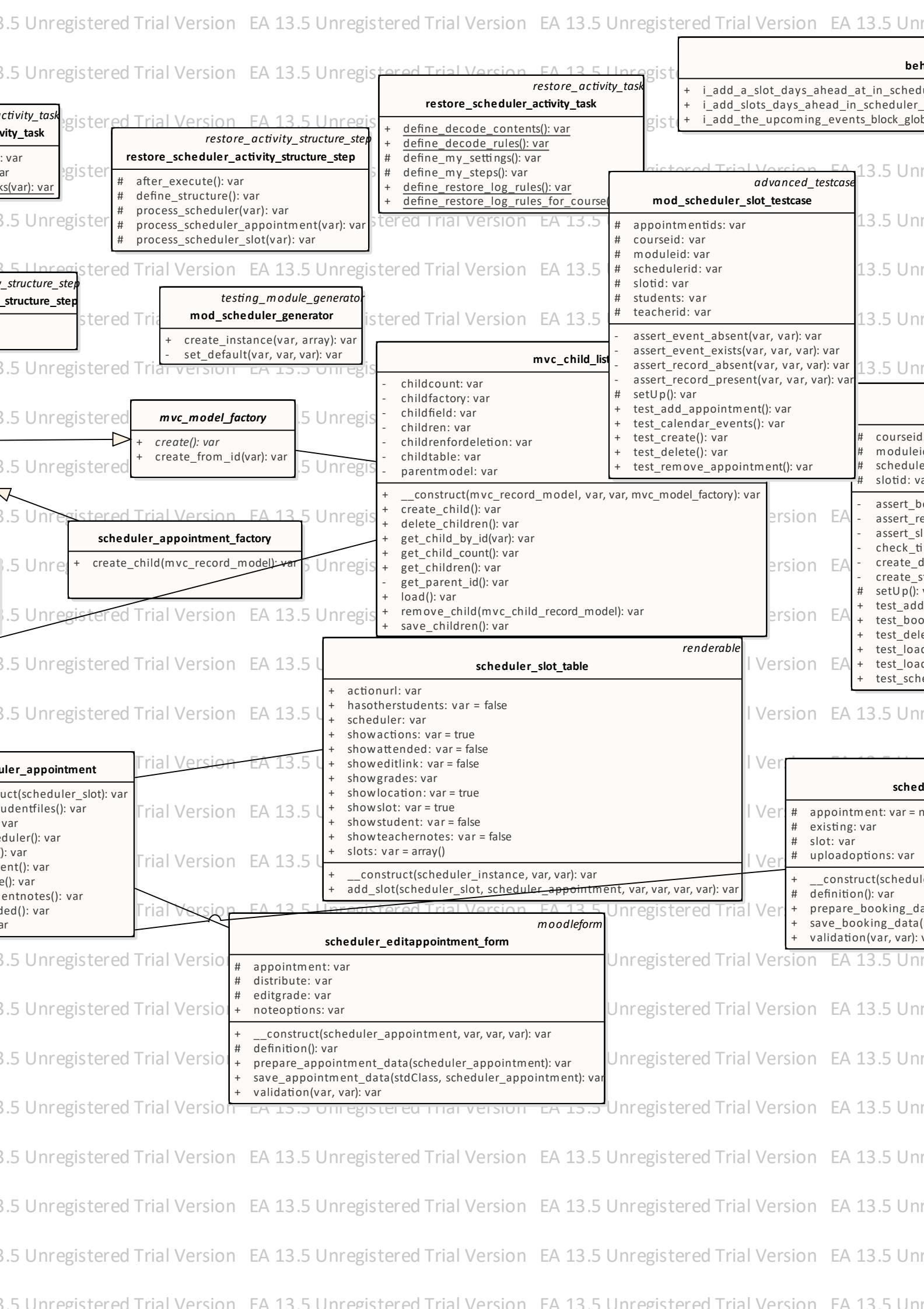
```
moodleform
scheduler_export_form
# scheduler: var
+ __construct(var, scheduler_instance, var): var
- add_exportfield_group(var, var): var
# definition(): var
+ validation(var, var): var
```

```
mvc_record_model
# data: var = null
# __construct(): var
+ __get(var): var
+ __set(var, var): var
+ delete(): var
+ get_data(): var
+ get_id(): var
# get_table(): var
+ load(var): var
+ load_record(stdClass): var
+ save(): var
+ set_data(var, var): var
```

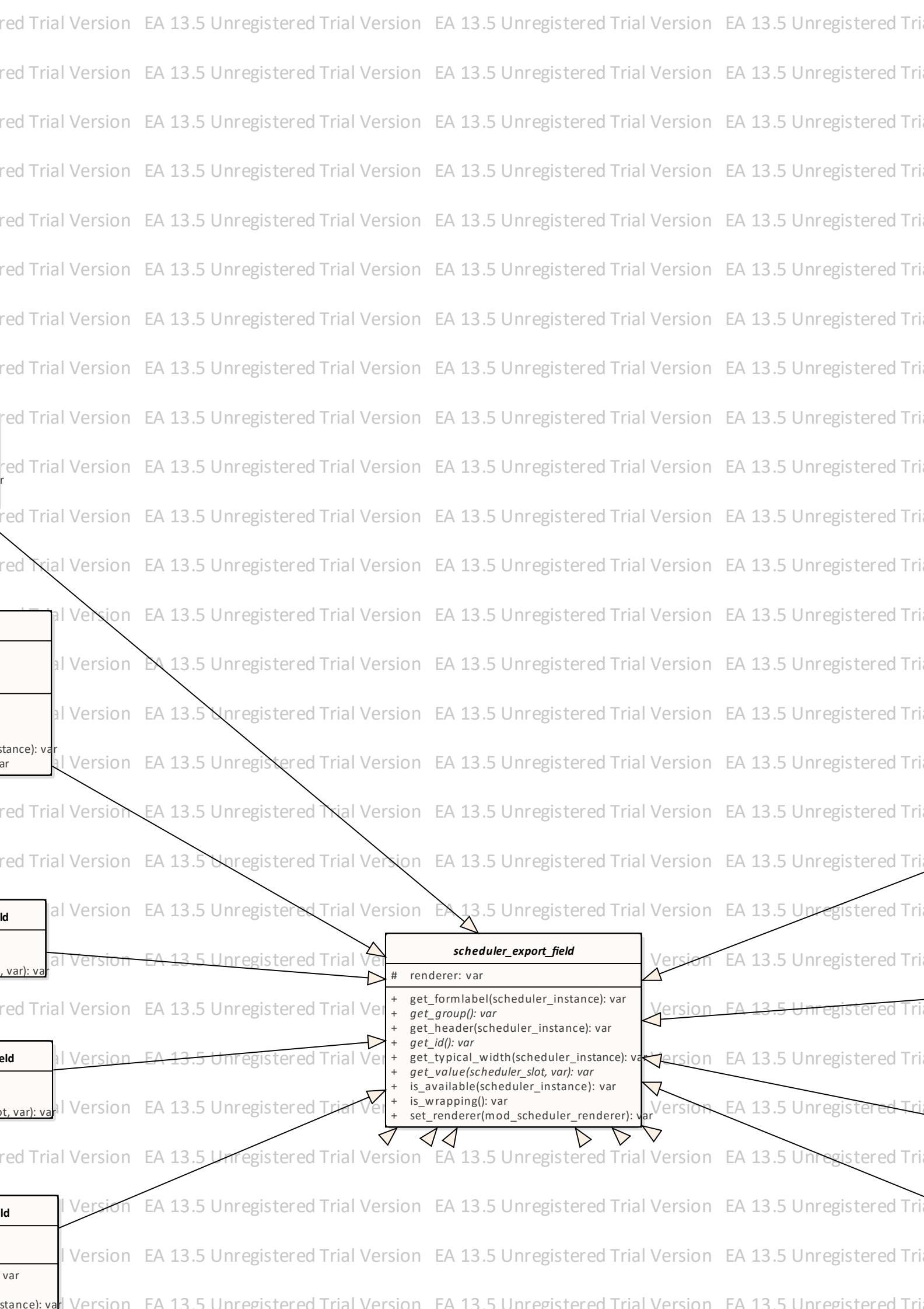
```
mvc_child_record_model
- parentrec: var
# get_parent(): var
# get_parent_id(): var
# set_parent(mvc_record_model): var
```

```
scheduler_instance
# cm: var = null
# context: var = null
# courserec: var = null
# groupmode: var
# slots: var
# studparno: var = 0
# __construct(): var
+ allows_multiple_bookings(): var
+ allows_unlimited_bookings(): var
```











```

+ allows_unlimited_bookings(): var
# appointment_count_query(): var
+ count_bookable_appointments(var, var): var
# count_slots(var, array): var
+ count_slots_for_teacher(var, var, var): var
+ create_slot(): var
+ delete(): var
+ delete_appointment(var): var
# fetch_slots(var, var, array, var, var, var): var
+ free_late_unused_slots(): var
+ get_all_slots(var, var): var
+ get_appointments_for_student(var): var
+ get_attended_slots_for_student(var): var
+ get_available_students(var): var
+ get_available_teachers(var): var
# get_available_users(var, var): var
+ get_cm(): var
+ get_cmid(): var
+ get_conflicts(var, var, var, var, var, var): var
+ get_context(): var
+ get_courseid(): var
+ get_courserec(): var
+ get_default_slot_duration(): var
+ get_gradebook_info(var): var
+ get_intro(var): var
+ get_last_location(var): var
+ get_name(var): var
+ get_slot(var): var
+ get_slot_appointment(var): var
+ get_slot_count(): var
+ get_slots(): var
+ get_slots_available_to_student(var, var): var
+ get_slots_for_group(var, var, var): var
+ get_slots_for_teacher(var, var, var, var): var
+ get_slots_without_appointment(var): var
+ get_students_for_scheduling(var, var, var): var
# get_table(): var
+ get_teacher_name(): var
+ get_teachers(): var
+ get_timemodified(): var
+ get_upcoming_slots_for_student(var): var
+ get_user_grade(var): var
+ get_user_grades(var): var
+ has_available_teachers(): var
+ has_bookinginstructions(): var
+ has_slots_booked_for_group(var, var, var): var
+ has_slots_for_student(var, var, var): var
+ is_group_scheduling_enabled(): var
+ is_individual_scheduling_enabled(): var
+ load_by_coursemodule_id(var): var
+ load_by_id(var)
# load_from_record(var, stdClass): var
+ save(): var
# slots_for_teacher_cond(var, var, var): var
# student_in_slot_condition(var*, var, var, var): var
+ uses_appointmentnotes(): var
+ uses_bookingcaptcha(): var
+ uses_bookingform(): var
+ uses_grades(): var
+ uses_studentdata(): var
+ uses_studentfiles(): var
+ uses_studentnotes(): var
+ uses_teachernotes(): var

```

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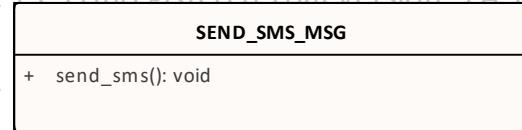
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scheduler_slot

appointments: var
+ __construct(scheduler_instance): var
- clear_calendar(): var
+ count_remaining_appointments(): var
+ create_appointment(): var
+ delete(): var
+ distribute_appointment_data(scheduler_appointment): var
+ distribute_file_area(var, var, var): var
+ get_appointment(var): var
+ get_appointment_count(): var
+ get_appointments(var): var
+ get_endtime(): var
+ get_scheduler(): var
+ get_student_appointment(var): var
+ get_student_eventtype(): var
get_table(): var
+ get_teacher(): var
+ get_teacher_eventtype(): var
- is_attended(): var
+ is_booked_by_student(var): var
+ is_groupslot(): var
+ is_in_bookable_period(): var
+ load_by_id(var, scheduler_instance): var
+ remove_appointment(var): var
+ save(): var
- update_calendar(): var
- update_calendar_events(var, array, stdClass): var

+ get_id(): var
+ get_value(scheduler_slot)

scheduler_starttime_field

+ get_group(): var
+ get_id(): var
+ get_value(scheduler_slot)

scheduler_student

+ get_group(): var
+ get_id(): var
+ get_typical_width(scheduler_slot): var
+ get_value(scheduler_slot): var
+ is_available(scheduler_slot): var
+ is_wrapping(scheduler_slot): var

schedul

+ get_group(): var
+ get_id(): var
+ get_typical_width(scheduler_slot): var
+ get_value(scheduler_slot): var
+ is_available(scheduler_slot): var
+ is_wrapping(scheduler_slot): var

scheduler_canvas

+ formatbold: var
+ formatboldit: var
+ formatheader: var
+ formatwrap: var
title: var

+ merge_cells(var, var, var): var
+ send(var): var
+ set_column_width(var, var): var
+ set_title(var): var
+ start_page(var): var
+ write_number(var, var, var, var): var
+ write_string(var, var, var, var): var

scheduler_ods_

workbook: var
worksheet: var

+ __construct(): var
- ensure_open_page(): var
+ merge_cells(var, var, var): var
+ send(var): var
+ set_column_width(var, var): var
+ start_page(var): var
+ write_number(var, var, var, var): var
+ write_string(var, var, var, var): var

scheduler_excel_canvas

workbook: var
worksheet: var

+ __construct(): var
- ensure_open_page(): var
+ merge_cells(var, var, var): var
+ send(var): var
+ set_column_width(var, var): var
+ start_page(var): var
+ write_number(var, var, var, var): var
+ write_string(var, var, var, var): var

scheduler_file_info

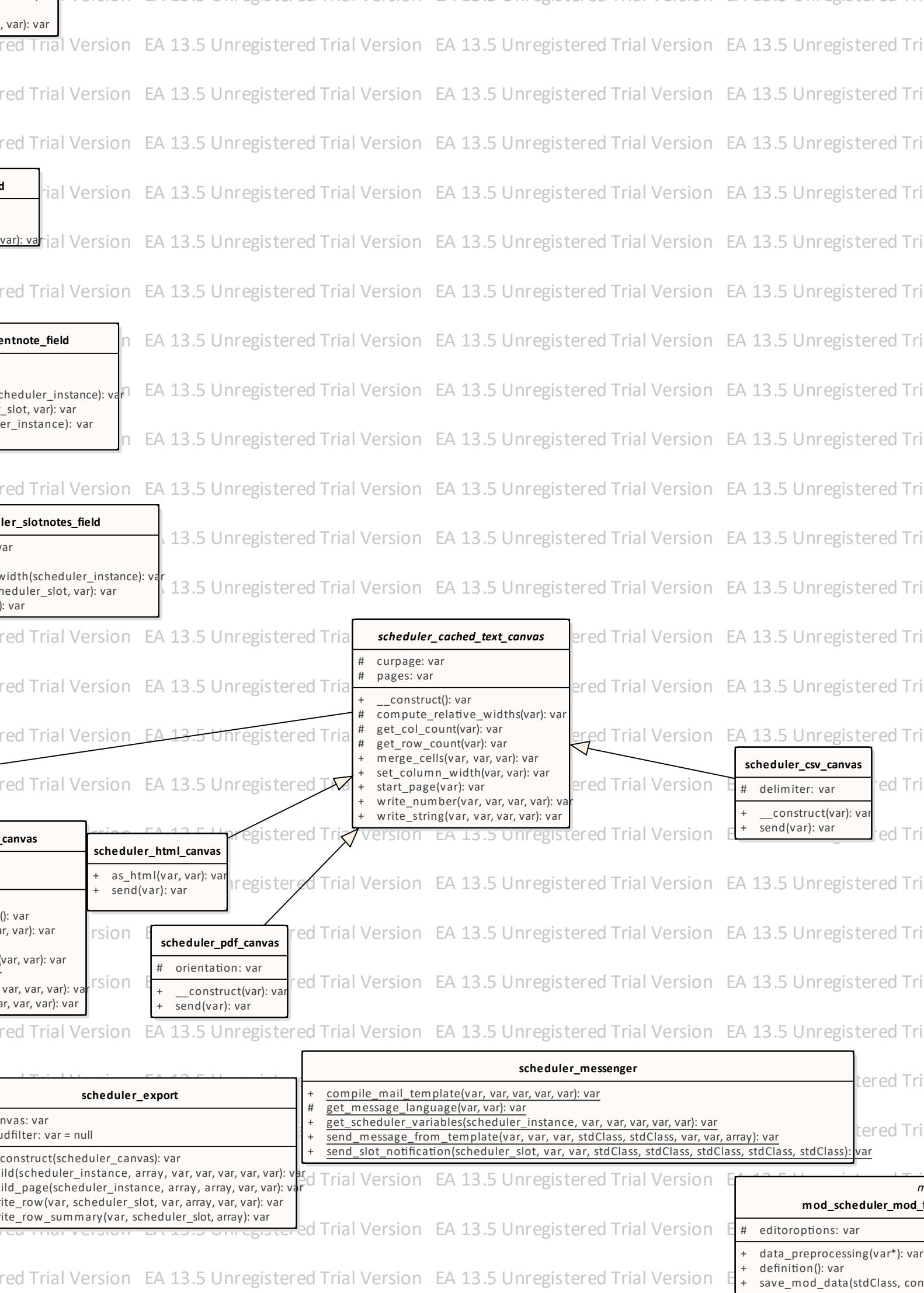
areas: var
cm: var
course: var
filearea: var
scheduler: var

+ __construct(var, var, var, var, var, var): var
+ count_non_empty_children(var, var): var
+ get_children(): var
- get_filtered_children(var, var, var): var
+ get_non_empty_children(var): var
+ get_params(): var
+ get_parent(): var
+ get_visible_name(): var

file_info

ca
stu

+ _
+ bu
bu
wr
wr



scheduler_appointmentnote_field

- + `get_group(): var`
- + `get_id(): var`
- + `get_typical_width(scheduler_instance): var`
- + `get_value(scheduler_slot, var): var`
- + `is_available(scheduler_instance): var`
- + `is_wrapping(): var`

scheduler_teachername_field

```
+ get_group(): var
+ get_header(scheduler_instance): var
+ get_id(): var
+ get_typical_width(scheduler_instance)
+ get_value(scheduler_slot.var): var
```

scheduler_teachernote_field

- + `get_group(): var`
- + `get_id(): var`
- + `get_typical_width(scheduler_instance)`
- + `get_value(scheduler_slot, var): var`
- + `is_available(scheduler_instance): var`
- + `is_wrapping(): var`

+ get_visible_name(): var
+ is_directory(): var
+ is_writable(): var

scheduler_student_list
renderable

+ actionurl: var = null
+ buttoncontext: var = ""
+ checkboxname: var = ""
+ editable: var = false
+ expandable: var = true
+ expanded: var = true
+ linkappointment: var = false
+ scheduler: var
+ showgrades: var
+ students: var = array()
+ __construct(scheduler_instance, var): var
+ add_student(scheduler_appointment, var, var, var, var): var

scheduler_message_form
scheduler: var
+ __construct(var, scheduler_instance): var
definition(): var
+ validation(var, var): var

scheduler_totalgrade_info
renderable

+ gbgrade: var
+ scheduler: var
+ showtotalgrade: var
+ totalgrade: var
+ __construct(scheduler_instance, var, var, var): var

scheduler_conflict_list
renderable

+ conflicts: var = array()
+ add_conflict(stdClass, var): var
+ add_conflicts(array): var

mod_scheduler_renderer
plugin_renderer

scalecache: var = array()
+ action_message(var, var): var
+ appointment_link(var, var, var): var
+ format_appointment_notes(scheduler_instance, var, var): var
+ format_grade(var, var, var): var
+ format_grading_strategy(var): var
+ format_notes(var, var, var, var, var, var): var
+ get_scale_levels(var): var
+ grading_choices(var): var
+ mod_intro(var): var
+ render_attachments(var, var, var): var
+ render_scheduler_appointment_info(scheduler_appointment): var
+ render_scheduler_command_bar(scheduler_command_bar): var
+ render_scheduler_conflict_list(scheduler_conflict_list): var
+ render_scheduler_scheduling_list(scheduler_scheduling_list): var
+ render_scheduler_slot_booker(scheduler_slot_booker): var
+ render_scheduler_slot_manager(scheduler_slot_manager): var
+ render_scheduler_slot_table(scheduler_slot_table): var
+ render_scheduler_student_list(scheduler_student_list): var
+ render_scheduler_totalgrade_info(scheduler_totalgrade_info): var
+ slotdatetime(var, var): var
- teacherview_tab(moodle_url, var, var, var, var): var
+ teacherview_tabs(scheduler_instance, moodle_url, var, var): var
+ user_profile_link(scheduler_instance, stdClass): var
+ userdate(var): var
+ usertime(var): var

