

MUSIC SCHEDULING SCOPE

Overview

To build a portal for scheduling music lessons with teachers at different locations. This will later be extended to include other features.

Primary list of features:

- Ability to create a schedule. Schedule will always be recurring Monday-Friday.
- On each day of the week, you have to be able to book students for a teacher.
- Once complete, the schedule needs to be published into a date-based format which we will then call lessons.
- Need to be able to list and edit all teachers.
- Need to be able to list and edit all students.
- Need to be able to list and edit all parents and link to students.
- Need to be able to list and edit locations (eg. office, school A, school B, etc.)
- Need to be able to link students to instruments (more than one).
- Need to be able to link teachers to instruments (more than one).
- Start time and finish time set by location. Increments of time set by a setting somewhere (eg. config file) – this should be in 30min increments.
- Once a schedule has become a lesson, the teacher has to be able to mark the attendance of the student from the “attendance” table options.
- “attendance” and “days” tables will not have a user interface to modify it (this will be added as later features)
- Login page is required with admin username and password to access all of the above. Later parents, students and teachers will need to be able to login (this will be a later feature).
- Passwords must be encrypted in SHA-2 hash.
- Unless specified all name results should be sorted alphabetically: surname ASC, firstname ASC.

Frameworks

- Must be written in a PHP framework like laravel or symphony or similar.
- Please use front-end frameworks like bootstrap, angularJS or similar.
- No WordPress or similar type of sites or plugins. Needs to be custom written.
- Please specify what you would like to use in your description.

Page: Schedule

See the attached design. Uses the “schedules” table.

- Mon-Fri schedule. Days should come from “days” table.
- First need to select a location then show table. Load first location as default.
- Need ability to add a teacher to a day (not sure where).
- Use start and end times from locations.start_time, and locations.end_time table. Increments of time from config file.
- Click on empty cell to add a booking, needs to show a booking add modal or page.
- Click on filled cell to modify a booking or delete it, needs to show the booking add modal or page.
- Clicking on the **Publish** button will publish the schedule to the “lessons” table into a date format. You’ll need to look through each day from the “start” to the “end” publish dates and enter the results. Clear all existing lessons during that time first. Empty slots should still contain a database record as we will later add the ability to add bookings after manually.

Page: Schedule > Add / Modify Booking

- Adds or modifies a booking made on the schedules page. Can be either a modal or page.
- Include the Student as a dropdown option (with name searching ability).
- Include the Teacher’s full name (no option just the text)
- Include the name of the day (no option just the text)
- Include a “Save” button and “Delete” button.

Page: Lessons

See the attached design. Uses the “lessons” table.

- This is the date based schedule. Use the < and > buttons to move ahead and back one week at a time. Only allow user to move back one year, and forward until we run out of dates in the table.
- First need to select a location then show table. Load first location as default.
- Use start and end times from locations.start_time, and locations.end_time table. Increments of time from config file.
- Click on empty cell to add a lesson, needs to show a lesson add modal or page.
- Click on filled cell to modify a lesson or delete it, needs to show the lesson add modal or page.

Page: Lessons > Add / Modify Lesson

- Adds or modifies a lesson on the lesson page. Can be either a modal or page.
- Include the Student as a dropdown option (with name searching ability).
- Include the Teacher's full name (no option just the text)
- Include the name of the date and week day (no option just the text)
- Include a "Save" button and "Delete" button.

Page: Students

See the attached design. Uses the "students" table.

- List all students. Default Status filter = Active only.
- Click on the edit button for a student to show the student add modal or page.
- Click on the add button to add a student by showing the student add modal or page.

Page: Parents

See the attached design. Uses the "parents" table.

- List all parents. Default Status filter = Active only.
- Click on the edit button for a parent to show the parent add modal or page.
- Click on the add button to add a parent by showing the parent add modal or page.

Page: Teachers

See the attached design. Uses the "teachers" table.

- List all teachers. Default Status filter = Active only.
- Click on the edit button for a teacher to show the teacher add modal or page.
- Click on the add button to add a teacher by showing the teacher add modal or page.

Page: Locations

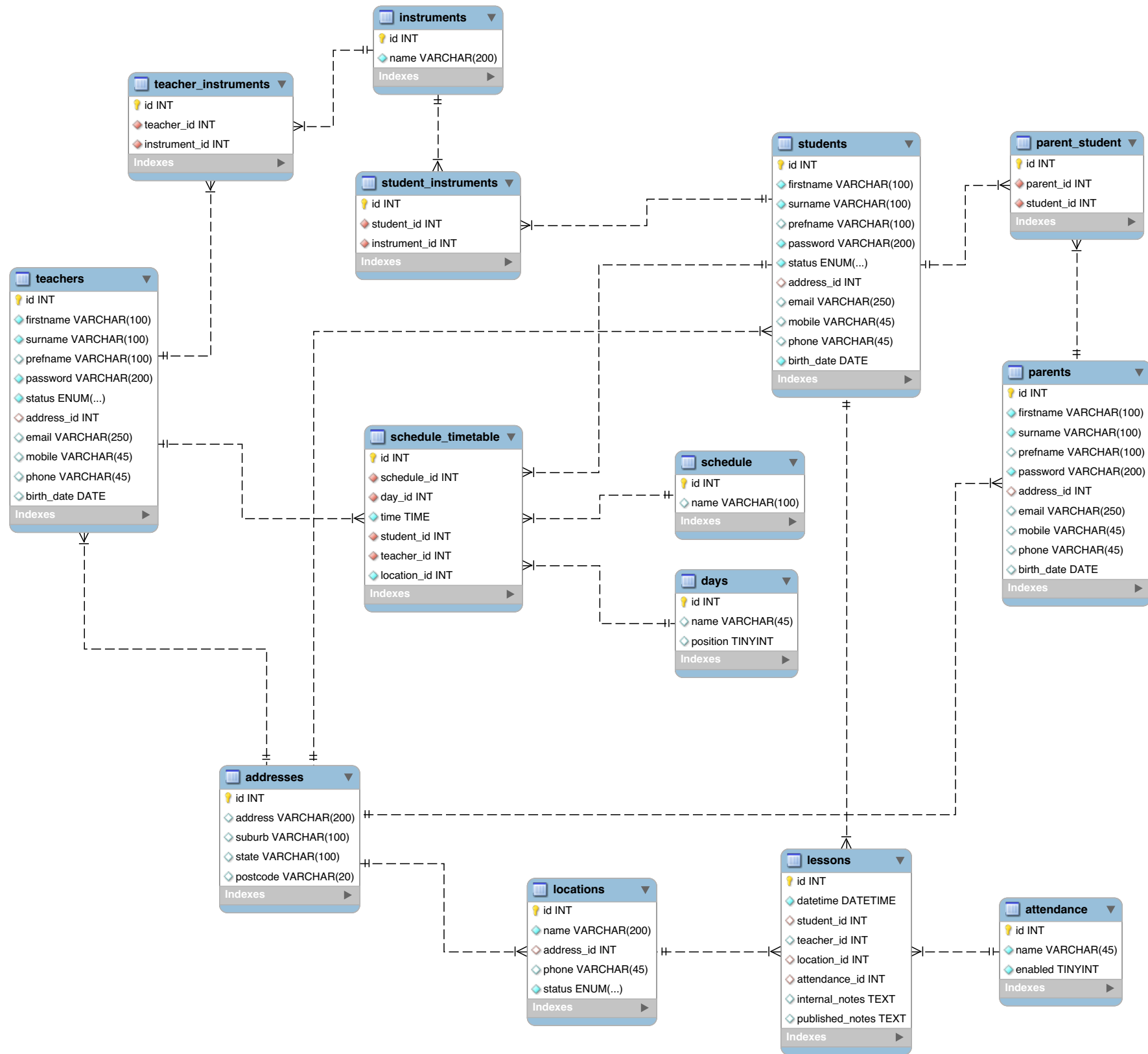
See the attached design. Uses the "locations" table.

- List all locations. Default Status filter = Active only.
- Click on the edit button for a location to show the location add modal or page.
- Click on the add button to add a location by showing the location add modal or page.

Page: Student / Parent / Teacher / Location > Add / Modify

See the attached design. Use same type of design with different fields for each of the above.

- Adds or modifies a student/parent/teacher or location. Can be either a modal or page.
- Include each of the fields in the relevant table.
- Include a “Save” button and “Delete” button.



PM

NEW STATE PS ▾

move forward
and back one
week

< >

	Mon 31 Oct		Tue 1 Nov		Wed 2 Nov		Thu 3 Nov			Fri 4 Nov	
	RE	BT	BT	DW	DW	RE	RE	SW	DW	RE	BT
10:00		Grant Kennedy									
10:30		Jacob Walsh									
11:00	Eoghan Andrew										
11:30											

cell
background color
based on attendance
white = unmarked,
all other colors come
from attendance by-color
table field.

Show student
name. Click to
show edit modal.
Drag & drop to
empty cell to move.

filtering options.
text search filters by surname, firstname, Prefname, mobile.

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Search... All locations Status Add

Surname	Firstname	Prefname	Email	Mobile	Status	
—	—	—	—	—	—	edit
—	—	—	—	—	—	edit
—	—	—	—	—	—	edit

adds a new person by showing the modal

edit button

Above Page design for:

- students menu
- parents menu
- teachers menu

Show results in alphabetical order ASC by surname, firstname.

back button to table.

name of person

bootstrap label of status.

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< Grant Kennedy ACTIVE

Surname: Kennedy

Firstname: Grant

Prefname: Grant

Status: Active

Email:

Save Delete

Show all fields.

Page design for:

- edit student
- edit teacher
- edit parent

Selection to click on location, changes table.

button to publish schedule to lessons.

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New State PS

31 Oct 16

Publish

	Monday		Tuesday		Wednesday			Thursday		Friday	
	BT	RE	BT	DW	DW	RE	SN	RE	SN	BT	RE
10:00	Gent Kennedy										
10:30		Jacob Welsh		Matt Jarrads							
11:00		Gary Andrews									
11:30											
12:00											

list Mon-Sun.

list of teachers per day. need a way to add and remove teachers.

booked lesson. Click to show modal to modify/remove.

click cell to show modal and add lesson with student.

booked lesson can be drag & dropped onto empty cell to move booking.

icons for pages:

"Schedule"

"Lessons"

"Students"

"Parents"

"Teachers"

"Locations"

"Reports" (this will be a future feature).