



# Migrations

## Unique columns

### Laravel Example 1:

```
<?php

DB::update("
    ALTER TABLE tournament_league_game_days
    ADD COLUMN game_schedule_day_unique varchar (512)
    GENERATED ALWAYS AS
    (
        CONCAT(
            CONCAT(day, '#', game_schedule_id),
            '#',
            IF(deleted_at IS NULL, '-', deleted_at)
        )
    ) VIRTUAL;

");

DB::update("
    CREATE UNIQUE INDEX game_schedule_day_unique ON tournament_league_game_days
    (game_schedule_day_unique);

");
```

### Laravel Example 2:

```
<?php

Schema::table('tournament_league_game_days', function (Blueprint $table) {
    $table->string('game_schedule_day_unique')
        ->virtualAs(
            DB::raw(
                "CONCAT(
                    CONCAT(day, '#', game_schedule_id),
                    '#',
                    IF(deleted_at IS NULL, '-', deleted_at)
                )"
            )
        );
});

Schema::table('tournament_league_game_days', function (Blueprint $table) {
    $table->unique(['game_schedule_day_unique', 'game_schedule_day_unique_index']);
});
```

- [Original tweet by Tobias\\_Petry.sql](#)