

Models & Migrations



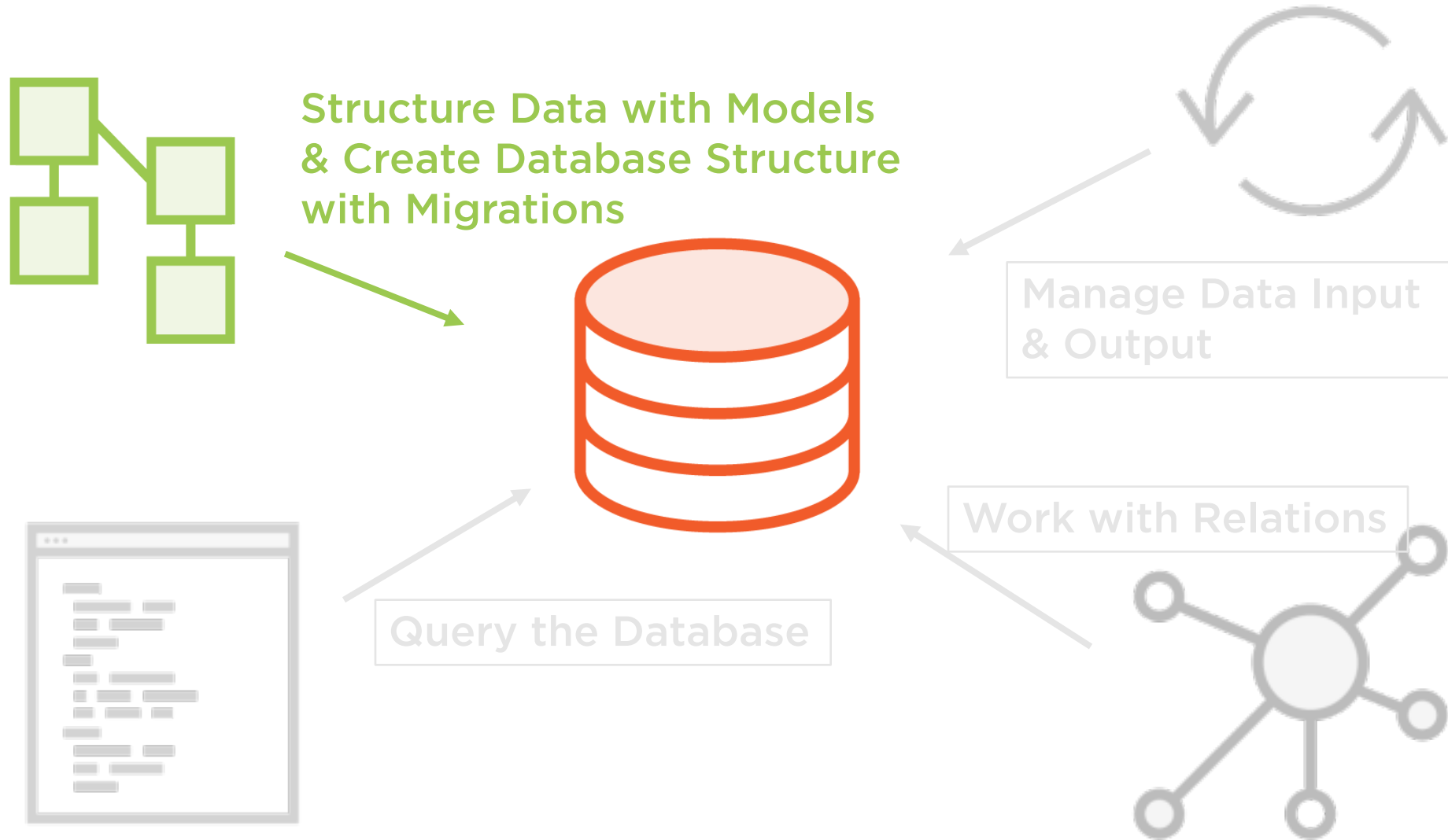
Maximilian Schwarzmüller

AUTHOR

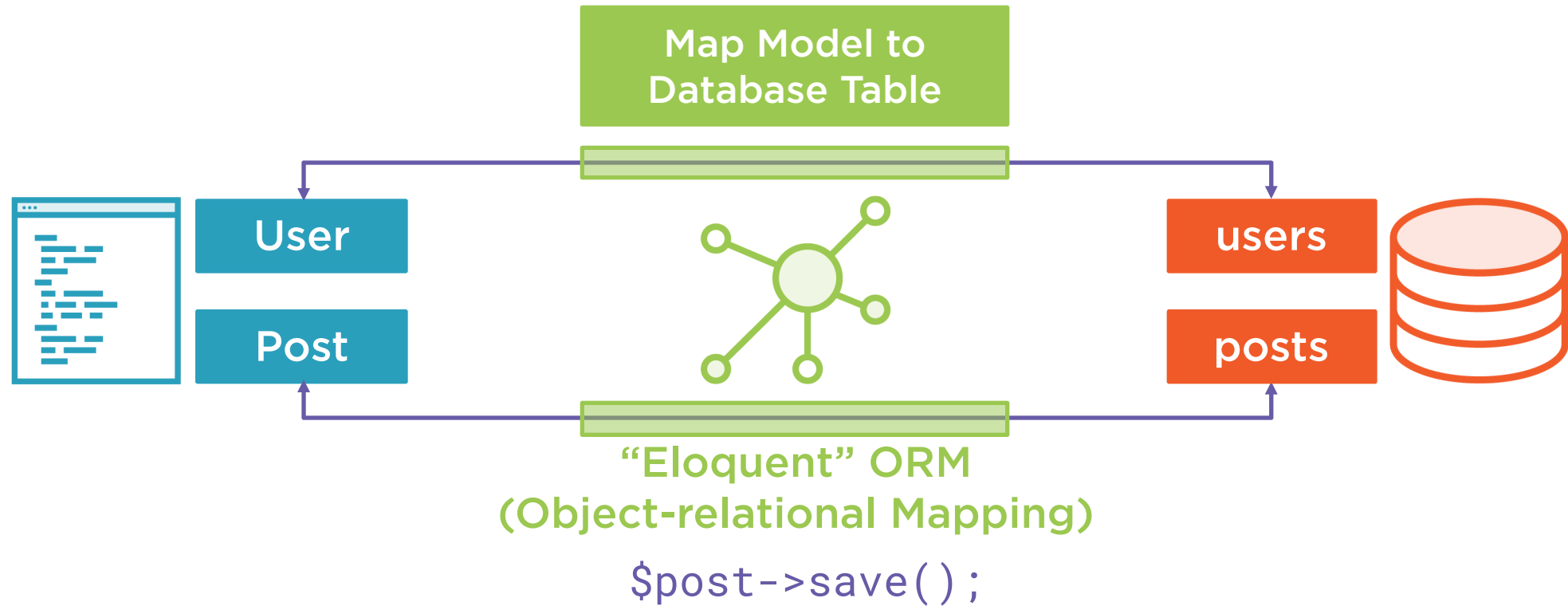
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Course Structure



An “Eloquent” Way to Manipulate Data



An Eloquent Model

```
namespace App;
```

```
use Illuminate\Database\Eloquent\Model;
```

```
class Post extends Model  
{  
  
}
```

posts

title

content



Using the Model

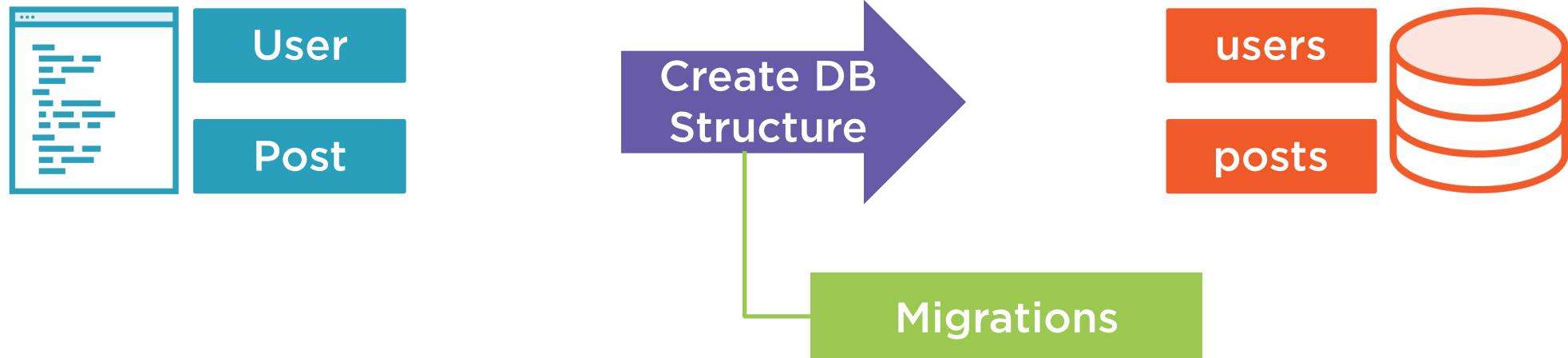
```
// Creating & Inserting Data  
$post = new Post();  
$post->title = 'A new Post';
```

```
$post->save();
```

```
// Fetching Data  
$oldPost = Post::where('title', 'old')->first();
```



Structuring the Database with Laravel

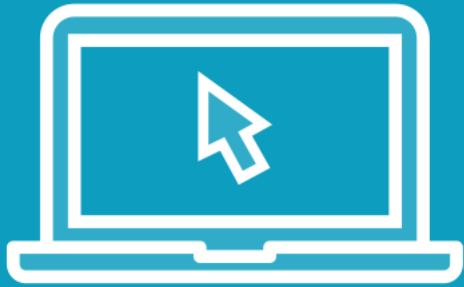


Using Migrations

```
Schema::create('table_name', function (Blueprint $table)
{
    $table->increments('id'); // auto-incrementing integer
    $table->timestamps(); // 'created_at' and 'updated_at'
    $table->string('title'); // 'title' field
}
```



Demo



Create Models and Migrations with
Artisan

Configure Database Table

Make Model Mass-Fillable



Managing Migrations

Generate

```
php artisan make:model Post -m
```

```
php artisan make:migration create_posts_table
```

Configure / Write

```
Schema::create('table_name', function (Blueprint  
$table) {  
    $table->string('title'); // 'title' field  
})
```

Run

```
php artisan migrate
```

Roll Back / Refresh

```
php artisan migrate:rollback // latest migration
```

```
php artisan migrate:reset // all migrations
```

```
php artisan migrate:refresh // roll back all & re-run
```



Demo



Execute Migrations

Write first Data to the Database



Laravel's Assumptions

```
$post->title('The Title');
```

?

posts

title
content



Laravel's Assumptions

Model & Table Name

“snake case”, plural name of the class

```
class Post extends Model // 'posts' in DB
```

Primary Keys

'id': Overwritten by setting \$primaryKey

```
$primaryKey = 'not_id';
```

Incrementing integer: Overwritten by setting
\$incrementing = false

```
$incrementing = false;
```



Laravel's Assumptions

Timestamps

Expects "created_at" and "updated_at" columns:
Overwritten by setting `$timestamps = false;`

```
$timestamps = false;
```

Database Connection

Uses connection from .env file: Overwritten by
setting `$connection` property

```
$connection = 'connection-name';
```

