LARAVEL

Migrations

--> Client (1)

In [1]:

```
public function up(): void
{
    Schema::create('clients', function (Blueprint $table) {
        $table->id();
        $table->string("name");
        $table->string("lastname");
        $table->integer("age");
        $table->timestamps();
    });
}
```

```
  Cell In[1], line 1
    public function up(): void
              ^
SyntaxError: invalid syntax
```

--> Order (M)

In [2]:

```
public function up(): void
{
    Schema::create('orders', function (Blueprint $table) {
        $table->id();
        $table->string("object");
        $table->unsignedBigInteger("client_id");
        $table->timestamps();
        $table->foreign("client_id")->references("id")->on("clients")->onDelete("cascade");
    });
}
```

```
  Cell In[2], line 1
    public function up(): void
              ^
SyntaxError: invalid syntax
```

Models

--> Client (1)

In [ ]:

```
class Client extends Model
{
    use HasFactory;
    protected $fillable = ["name", "lastname", "age"];

    public function orders()
    {
        return $this->hasMany(Order::class);
    }
}
```

```
}
```

--> Order (M)

In [ ]:

```
class Order extends Model
{
    use HasFactory;
    protected $fillable = ["object", "client_id"];

    public function client()
    {
        return $this->belongTo(Client::class);
    }
}
```

Views

welcome.blade.php

In [ ]:

```
<html>
    <body>
        <h2>Welcome</h2>
        <a href="{{route('clients.index')}}"><button>Clients</button></a>
        <a href="{{route('orders.index')}}"><button>Orders</button></a>
    </body>
</html>
```

--> Client (1)

In [ ]:

```
<html>
    <body>
        <h2>Index</h2>

        @foreach($clients as $c)
        <form>
            <p>Name: {{$c->name}}</p>
            <button formaction="{{route('clients.show', $c->id)}}" method="GET">Show</bu
tton>
            <button formaction="{{route('clients.edit', $c->id)}}" method="GET">Edit</bu
tton>
        </form>
        @endforeach
        <br>
        <form action="{{route('clients.create')}}" method="GET">
            <button>Create new client</button>
        </form>

        <br><a href="../"><button>Back to Welcome</button></a>
    </body>
</html>
```

In [ ]:

```
<html>
    <body>
        <h2>Create</h2>

        <form action="{{route('clients.store')}}" method="POST">
            @csrf
```

```html
                Name:<input name="name" required><br>
                Lastname:<input name="lastname" required><br>
                Age:<input name="age" required><br><br>
                <button>Create</button>
        </form>

        <br><a href="{{route('clients.index')}}"><button>Back to home</button></a>
    </body>
</html>
```

In [ ]:

```html
<html>
    <body>
        <h2>Show</h2>

        <p>ID: {{$c->id}}</p>
        <p>Name: {{$c->name}}</p>
        <p>Lastname: {{$c->lastname}}</p>
        <p>Age: {{$c->age}}</p>
        <br>
        <form action="{{route('clients.destroy', $c->id)}}" method="POST">
            @csrf
            @method("DELETE")
            <button>Delete</button>
        </form>

        <a href="{{route('clients.index')}}"><button>Back to home</button></a>
    </body>
</html>
```

In [ ]:

```html
<html>
    <body>
        <h2>Clients</h2>

        <form action="{{route('clients.update', $c->id)}}" method="POST">
            @csrf
            @method("PUT")

            <p>Name:<input name="name" value="{{$c->name}}"></p>
            <p>Lastname:<input name="lastname" value="{{$c->lastname}}"></p>
            <p>Age:<input name="age" value="{{$c->age}}"></p><br>
            <button>Update</button>
        </form>

        <a href="{{route('clients.index')}}"><button>Back to home</button></a>
    </body>
</html>
```

--> Order (M)

In [ ]:

```html
<html>
    <body>
        <h2>Index</h2>

        @foreach($orders as $o)
        <form>
            <p>Object: {{$o->object}}</p>
            <button formaction="{{route('orders.show', $o->id)}}" method="GET">Show</button>
            <button formaction="{{route('orders.edit', $o->id)}}" method="GET">Edit</button>
        </form>
        @endforeach
        <br>
```

```html
        <form action="{{route('orders.create')}}" method="GET">
            <button>Create new order</button>
        </form>

        <br><a href="../"><button>Back to Welcome</button></a>
    </body>
</html>
```

In [ ]:

```html
<html>
    <body>
        <h2>Create</h2>

        <form action="{{route('orders.store')}}" method="POST">
            @csrf

            Object:<input name="object" required><br>
            Client:
            <select name="client_id" required>
                @foreach($clients as $c)
                    <option value="{{$c->id}}">{{$c->name}}</option>
                @endforeach
            </select><br><br>
            <button>Create</button>
        </form>

        <br><a href="{{route('orders.index')}}"><button>Back to home</button></a>
    </body>
</html>
```

In [ ]:

```html
<html>
    <body>
        <h2>Show</h2>

        <p>ID: {{$o->id}}</p>
        <p>Object: {{$o->object}}</p>
        <p>Client: {{$o->client_id}}</p>
        <br>
        <form action="{{route('orders.destroy', $o->id)}}" method="POST">
            @csrf
            @method("DELETE")
            <button>Delete</button>
        </form>

        <a href="{{route('orders.index')}}"><button>Back to home</button></a>
    </body>
</html>
```

In [ ]:

```html
<html>
    <body>
        <h2>Edit</h2>

        <form action="{{route('orders.update', $o->id)}}" method="POST">
            @csrf
            @method("PUT")

            Object:<input name="name" value="{{$o->name}}"><br>
            Client:
            <select name="client_id">
                @foreach($clients as $c)
                <option value="{{$c->id}}">{{$c->name}}</option>
                @endforeach
            </select><br>
            <button>Update</button>
        </form>
```

```html
        <a href="{{route('orders.index')}}"><button>Back to home</button></a>
    </body>
</html>
```

Controllers

web.php

In [ ]:

```php
Route::resource("orders", OrderController::class);
Route::resource("clients", ClientController::class);
```

--> Client (1)

In [ ]:

```php
class ClientController extends Controller
{
    public function index()
    {
        return view("clients.index", ["clients" => Client::all()]);
    }

    public function create()
    {
        return view("clients.create");
    }

    public function store(Request $request)
    {
        Client::create($request->all());
        return redirect()->route("clients.index");
    }

    public function show(Client $client)
    {
        return view("clients.show", ["c" => $client]);
    }

    public function edit(Client $client)
    {
        return view("clients.edit", ["c" => $client]);
    }

    public function update(Request $request, Client $client)
    {
        $client->update($request->all());
        return redirect()->route("clients.index");
    }

    public function destroy(Client $client)
    {
        $client->delete();
        return redirect()->route("clients.index");
    }
}
```

--> Order (M)

In [ ]:

```php
class OrderController extends Controller
{
    public function index()
```

```php
    {
        return view("orders.index", ["orders" => Order::all()]);
    }

    public function create()
    {
        return view("orders.create", ["clients" => Client::all()]);
    }

    public function store(Request $request)
    {
        Order::create($request->all());
        return redirect()->route("orders.index");
    }

    public function show(Order $order)
    {
        return view("orders.show", ["o" => $order]);
    }

    public function edit(Order $order)
    {
        return view("orders.edit", ["o" => $order,"clients" => Client::all()]);
    }

    public function update(Request $request, Order $order)
    {
        $order->update($request->all());
        return redirect()->route("orders.index");
    }

    public function destroy(Order $order)
    {
        $order->delete();
        return redirect()->route("orders.index");
    }
}
```