

A. Membuat model Siswa dan migration.

1. Buka cmd dan arahkan ke folder "D:/joko/sekolah". Ketikan perintah "php artisan make:model Siswa --migration". Tekan enter untuk menggenerate Model Siswa dan migration siswa.
2. Buka file xxxx_create_siswas_table.php yang ada di folder "database/migrations".
3. Ubah fungsi up() sesuai dengan gambar.

```
public function up(): void
{
    Schema::create('siswa', function (Blueprint $table) {
        $table->id();
        $table->integer('id_kelas');
        $table->string('nama');
        $table->string('jenis_kelamin');

        $table->timestamps();
    });
}
```

4. Buka model Siswa.php yang ada di folder "app/models" dan buat seperti gambar berikut.

```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Siswa extends Model
9 {
10     use HasFactory;
11
12     protected $table = "siswa";
13
14
15     public function kelas()
16     {
17         return $this->belongsTo(Kelas::class, 'id_kelas', 'id');
18     }
19 }
20
```

5. Jalankan file migration dengan cara ketikan perintah "php artisan migrate" pada cmd yang mengarah ke folder "D:/joko/sekolah".

B. Membuat SiswaController.

1. Buka cmd dan arahkan ke folder "D:/joko/sekolah". Ketikan perintah "php artisan make:controller SiswaController --resource" kemudian tekan enter.

2. Buka file SiswaController.php dan buat seperti gambar.

```

1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Kelas;
6 use App\Models\Siswa;
7 use Illuminate\Http\Request;
8
9 class SiswaController extends Controller
10 {
11     public function index()
12     {
13         $data['siswa'] = Siswa::get();
14
15         return view('siswa.index', $data);
16     }
17     public function create()
18     {
19         $data['kelas'] = Kelas::get();
20
21         return view('siswa.create', $data);
22     }
23     public function store(Request $request)
24     {
25         $siswa = New Siswa;
26
27         $siswa->nama = $request->input('nama');
28         $siswa->id_kelas = $request->input('id_kelas');
29         $siswa->jenis_kelamin = $request->input('jenis_kelamin');
30         $siswa->save();
31
32         return redirect('/siswa');
33     }
34     public function show(string $id)
35     {
36         //
37     }
38     public function edit(string $id)
39     {
40         $data['siswa'] = Siswa::find($id);
41         $data['kelas'] = Kelas::get();
42         $data['id'] = $id;
43
44         return view('siswa.edit', $data);
45     }
46 }
47     public function update(Request $request, string $id)
48     {
49         $siswa = Siswa::find($id);
50
51         $siswa->nama = $request->input('nama');
52         $siswa->id_kelas = $request->input('id_kelas');
53         $siswa->jenis_kelamin = $request->input('jenis_kelamin');
54
55         $siswa->save();
56
57         return redirect('/siswa');
58     }
59     public function destroy(string $id)
60     {
61         $siswa = Siswa::find($id);
62
63         $siswa->delete();
64
65         return redirect('siswa');
66     }
67 }

```

C. Membuat View Index, create, edit.

1. Buat file index.blade.php di folder "resources/views/siswa". Buat seperti gambar.

```

1 @extends('layouts.main')
2 @section('container')
3
4 <div class="row mt-3">
5     <div class="col-10">
6         <h2>Data Siswa</h2>
7     </div>
8     <div class="col-2 text-right">
9         <a href="/siswa/create" class="btn btn-primary">Tambah Data</a>
10    </div>
11 </div>
12
13 <div class="card">
14     <div class="card-header">
15         Data Siswa
16     </div>
17     <div class="card-body">
18         <div class="table-responsive">
19             <table class="table">
20                 <thead>
21                     <tr>
22                         <th scope="col">No</th>
23                         <th scope="col">Nama Siswa</th>
24                         <th scope="col">Kelas</th>
25                         <th scope="col">Aksi</th>
26                     </tr>
27                 </thead>
28                 <tbody>
29                     @php
30                         $no = 1;
31                     @endphp
32                     @foreach ($siswa as $item)
33                         <tr>
34                             <td>{{ $no++ }}</td>
35                             <td>{{ $item->nama }}</td>
36                             <td>{{ $item->kelas->kelas }}</td>
37                             <td>
38                                 <a href="/siswa/{{ $item->id }}/edit"
39                                     class="btn btn-warning">Edit</a>
40                                 <form action="/siswa/{{ $item->id }}"
41                                     method="POST">
42                                     @csrf
43                                     @method('delete')
44                                     <button class="btn btn-danger"
45                                         onclick="confirm('Apakah anda yakin?')>Delete</button>
46                                 </form>
47                             </td>
48                         </tr>
49                     @endforeach
50                 </tbody>
51             </table>
52         </div>
53     </div>
54 </div>
55 @endsection

```

2. Buat file create.blade.php di folder “resources/views/siswa”. Buat seperti gambar.

```

1 @extends('layouts.main')
2 @section('container')
3     <div class="row mt-3">
4         <div class="col-10">
5             <h2>Data Kelas</h2>
6         </div>
7         <div class="col-2 text-right">
8
9         </div>
10    </div>
11    <div class="card">
12        <div class="card-header">
13            Tambah Data Siswa
14        </div>
15        <div class="card-body">
16            <form action="/siswa" method="POST">
17                @csrf
18                <div class="row g-3 align-items-center">
19                    <div class="col-2">
20                        <label for="nama" class="col-form-label">Nama
21                        Siswa</label>
22                    </div>
23                    <div class="col-6">
24                        <input type="text" id="nama" name="nama"
25                        class="form-control"
26                        placeholder="Masukan Nama Siswa">
27                    </div>
28                </div>
29                <div class="row g-3 align-items-center">
30                    <div class="col-2">
31                        <label for="id_kelas" class="col-form-
32                        label">Kelas</label>
33                    </div>
34                    <div class="col-6">
35                        <select name="id_kelas" id="id_kelas" class="form-
36                        select" aria-label="Default select example">
37                            @foreach ($kelas as $item)
38                                <option value="{{ $item->id }}">{{
39                                $item->kelas }}</option>
40                            @endforeach
41                        </select>
42                    </div>
43                </div>
44                <div class="row g-3 align-items-center">
45                    <div class="col-2">
46                        <label for="jenis_kelamin" class="col-form-
47                        label">Jenis Kelamin</label>
48                    </div>
49                    <div class="col-6">
50                        <select name="jenis_kelamin" id="jenis_kelamin"
51                        class="form-select" aria-label="Default select example">
52                            <option value="L">Laki-Laki</option>
53                            <option value="P">Perempuan</option>
54                        </select>
55                    </div>
56                </div>
57                <div class="g-3 align-items-center">
58                    <button type="submit" class="btn btn-
59                    primary">Simpan</button>
60                </div>
61            </form>
62        </div>
63    </div>
64 @endsection

```

3. Buat file edit.blade.php di folder "resources/views/siswa". Buat seperti gambar.

```
1 @extends('layouts.main')
2
3 @section('container')
4     <div class="row mt-3">
5         <div class="col-10">
6             <h2>Data Kelas</h2>
7         </div>
8         <div class="col-2 text-right">
9
10        </div>
11    </div>
12
13    <div class="card">
14        <div class="card-header">
15            Edit Data Siswa
16        </div>
17        <div class="card-body">
18            <form action="/siswa/{{ $id }}" method="POST">
19                @csrf
20                @method('put')
21                <div class="row g-3 align-items-center">
22                    <div class="col-2">
23                        <label for="nama" class="col-form-label">Nama
24                        Siswa</label>
25                    </div>
26                    <div class="col-6">
27                        <input type="text" id="nama" name="nama"
28                        class="form-control" value="{{ $siswa->nama }}"
29                        placeholder="Masukan Nama Siswa">
30                    </div>
31                </div>
32                <div class="row g-3 align-items-center">
33                    <div class="col-2">
34                        <label for="id_kelas" class="col-form-
35                        label">Kelas</label>
36                    </div>
37                    <div class="col-6">
38                        <select name="id_kelas" id="id_kelas" class="form-
39                        select" aria-label="Default select example">
40                            @foreach ($kelas as $item)
41                                <option @if ($item->id ==
42                                $siswa->id_kelas)
43                                    @selected(true)
44                                    @endif value="{{ $item->id }}">{{
45                                $item->kelas }}</option>
46                            @endforeach
47                        </select>
48                    </div>
49                </div>
50            </form>
51        </div>
52    </div>
53</div>
```



```

44         <div class="row g-3 align-items-center">
45             <div class="col-2">
46                 <label for="jenis_kelamin" class="col-form-
47                 label">Jenis Kelamin</label>
48             </div>
49             <div class="col-6">
50                 <select name="jenis_kelamin" id="jenis_kelamin"
51                 class="form-select" aria-label="Default select example">
52                     <option @if ($siswa->jenis_kelamin == 'L')
53                     @selected(true)
54                     @endif value="L">Laki-Laki</option>
55                     <option @if ($siswa->jenis_kelamin == 'P')
56                     @selected(true)
57                     @endif value="P">Perempuan</option>
58                 </select>
59             </div>
60         </div>
61         <div class="g-3 align-items-center">
62             <button type="submit" class="btn btn-
63             primary">Simpan</button>
64         </div>
65     </div>
66 @endsection
67

```

D. Membuat route untuk siswa.

1. Buka file web.php yang ada di folder routes.
2. Tambahkan baris ini pada file web.php.

```

use App\Http\Controllers\SiswaController;

Route::resource('siswa', SiswaController::class);

```

E. Menjalankan Proyek

1. Buka cmd dan arahkan ke folder "D:/joko/sekolah".
2. Ketikkan perintah "php artisan serve".
3. Buka url "http://127.0.0.1:8000/siswa" pada browser, dan coba untuk menambah, mengedit dan menghapus data siswa.