

Laravel for Beginners

07

Edit and update a Song

Edit and update an existing song

- Add these two routes to the web.php and check the routes in the routing table:

```
Route::get('songs/edit/{song}', 'SongController@edit')->name('songs.edit');
Route::patch('songs/update/{song}', 'SongController@update')->name('songs.update');
```

D:\MyLaravelProjects\LaravelBasics01>php artisan route:list

Domain	Method	URI	Name	Action	Middleware
	GET HEAD	/		Closure	web
	GET HEAD	api/user		Closure	api,auth:api
	GET HEAD	hello		App\Http\Controllers\MyFirstController@sayHello	web
	GET HEAD	songs	songs.index	App\Http\Controllers\SongController@index	web
	POST	songs	songs.store	App\Http\Controllers\SongController@store	web
	GET HEAD	songs/create	songs.create	App\Http\Controllers\SongController@create	web
	GET HEAD	songs/edit/{song}	songs.edit	App\Http\Controllers\SongController@edit	web
	PATCH	songs/update/{song}	songs.update	App\Http\Controllers\SongController@update	web
	GET HEAD	songs/{song}	songs.show	App\Http\Controllers\SongController@show	web

Add the Edit-Link

- Add this link to the index.blade.php:
- The Route-Link is rendered to the following link per row:

```
<td>
  <a href="http://localhost:9999/songs/edit/1">Edit</a>
</td>
```

```
<html>
<body>
<h2>All Songs</h2>
<table border="1">
  <thead>
    <th>Id</th>
    <th>Title</th>
    <th>Artist</th>
    <th>Album</th>
    <th colspan="2">Actions</th>
  </thead>
  <tbody>
    @foreach($songs as $s)
      <tr>
        <td>{{ $s->id }}</td>
        <td>{{ $s->title }}</td>
        <td>{{ $s->artist }}</td>
        <td>{{ $s->album }}</td>
        <td>
          <a href="{{ route('songs.show', $s->id) }}">Show</a>
        </td>
        <td>
          <a href="{{ route('songs.edit', $s->id) }}">Edit</a>
        </td>
      </tr>
    @endforeach
  </tbody>
</table>
<a href="{{ route('songs.create') }}">Create</a>
</body>
</html>
```

Implement edit() and update() in the SongController

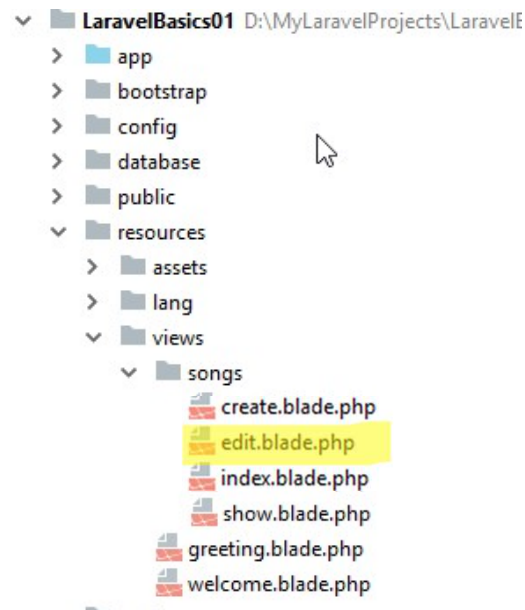
```
public function edit($id)
{
    $song = Song::find($id);

    return view('songs.edit')->with('song', $song);
}
```

```
public function update(Request $request, $id)
{
    $song = Song::find($id);
    $song->title = $request->title;
    $song->artist = $request->artist;
    $song->album = $request->album;
    $song->save();
    return redirect()->route('songs.index');
}
```

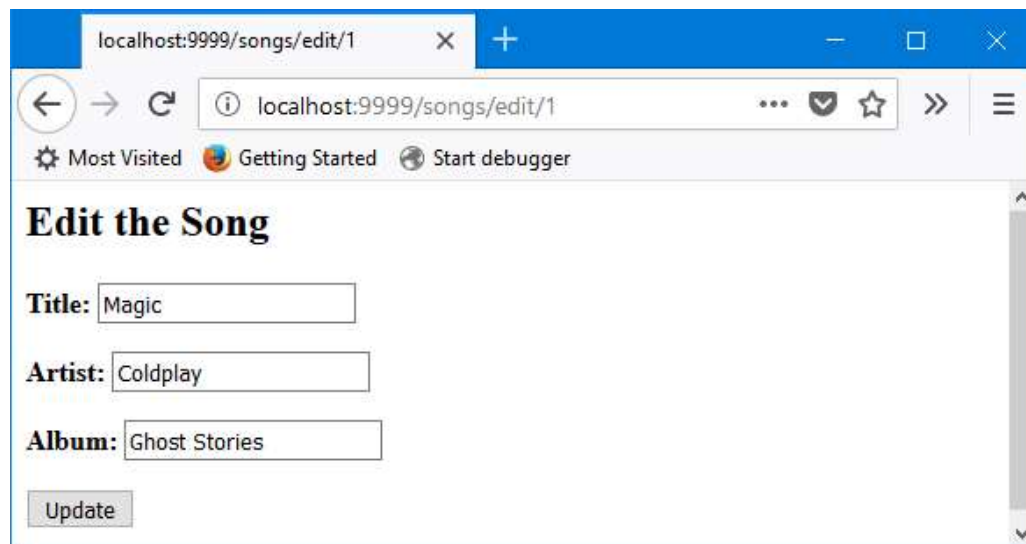
Edit-View

- Create the `edit.blade.php` in the folder `/resources/views/songs`:



```
<html>
<body>
<h2>Edit the Song</h2>
<form method="post" action="{{ route('songs.update', $song) }}">
    @csrf
    @method('patch')
    <p>
        <strong>Title:</strong>
        <input type="text" name="title" value="{{ $song->title }}" />
    </p>
    <p>
        <strong>Artist:</strong>
        <input type="text" name="artist" value="{{ $song->artist }}" />
    </p>
    <p>
        <strong>Album:</strong>
        <input type="text" name="album" value="{{ $song->album }}" />
    </p>
    <p>
        <button type="submit">Update</button>
    </p>
</form>
</body>
</html>
```

Edit-View



A screenshot of a web browser window displaying the 'Edit the Song' form. The browser's address bar shows the URL 'localhost:9999/songs/edit/1'. The page title is 'Edit the Song'. The form contains three input fields: 'Title' with the value 'Magic', 'Artist' with the value 'Coldplay', and 'Album' with the value 'Ghost Stories'. Below these fields is an 'Update' button. The browser's developer tools are open, showing the 'Most Visited' tab.

localhost:9999/songs/edit/1

localhost:9999/songs/edit/1

Most Visited Getting Started Start debugger

Edit the Song

Title:

Artist:

Album:

