

# Song Delete Button

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## Beethoven Sonatas

| Song                | Artist    |
|---------------------|-----------|
| Piano Sonata No. 3  | Beethoven |
| Piano Sonata No. 7  | Beethoven |
| Piano Sonata No. 10 | Beethoven |

playlist-store.json

```
"playlistCollection": [  
  {  
    "id" : "01",  
    "title": "Beethoven Sonatas",  
    "duration": 35,  
    "songs": [  
      {  
        "id" : "04",  
        "title": "Piano Sonata No. 3",  
        "artist": "Beethoven",  
        "genre": "Classical",  
        "duration": 5  
      },  
      {  
        "id" : "05",  
        "title": "Piano Sonata No. 7",  
        "artist": "Beethoven",  
        "genre": "Classical",  
        "duration": 6  
      },  
      {  
        "id" : "06",  
        "title": "Piano Sonata No. 10",  
        "artist": "Beethoven",  
        "genre": "Classical",  
        "duration": 4  
      }  
    ]  
  },  
  {  
    "id" : "02",  
    "title": "Beethoven Concertos",  
    "duration": 23,  
    "songs": [  
      {  
        "id" : "07",  
        "title": "Piano Concerto No. 0",  
        "artist": "Beethoven",  
        "duration": 10  
      }  
    ]  
  }  
]
```

playlist-store.js

```
const playlistStore = {  
  
  playlistCollection:...,  
  
  getAllPlaylists() {  
    return this.playlistCollection;  
  },  
  
  getPlaylist(id) {  
    return _.find(this.playlistCollection, { id: id });  
  },  
  
};
```

playlist.js

```
index(request, response) {  
  const playlistId = request.params.id;  
  logger.debug('Playlist id = ', playlistId);  
  
  const viewData = {  
    title: 'Playlist',  
    playlist: playlistStore.getPlaylist(playlistId),  
  };  
  
  response.render('playlist', viewData);  
}
```

| Beethoven Sonatas   |           |
|---------------------|-----------|
| Song                | Artist    |
| Piano Sonata No. 3  | Beethoven |
| Piano Sonata No. 7  | Beethoven |
| Piano Sonata No. 10 | Beethoven |

playlist.js

```
index(request, response) {
  const playlistId = request.params.id;
  logger.debug('Playlist id = ', playlistId);
  const viewData = {
    title: 'Playlist',
    playlist: playlistStore.getPlaylist(playlistId),
  };
  response.render('playlist', viewData);
}
```

```
{
  "id" : "01",
  "title": "Beethoven Sonatas",
  "duration": 35,
  "songs": [
    {
      "id" : "04",
      "title": "Piano Sonata No. 3",
      "artist": "Beethoven",
      "genre": "Classical",
      "duration": 5
    },
    {
      "id" : "05",
      "title": "Piano Sonata No. 7",
      "artist": "Beethoven",
      "genre": "Classical",
      "duration": 6
    },
    {
      "id" : "06",
      "title": "Piano Sonata No. 10",
      "artist": "Beethoven",
      "genre": "Classical",
      "duration": 4
    }
  ]
},
```

playlist.hbs

```
{{> menu}}

<section class="ui segment">
  <h2 class="ui header">
    {{playlist.title}}
  </h2>
  {{> listsongs}}
</section>
```

listsongs.hbs

```
<table class="ui table">
  <thead>
    <tr>
      <th>Song</th>
      <th>Artist</th>
      <th></th>
    </tr>
  </thead>
  <tbody>
    {{#each playlist.songs}}
      <tr>
        <td>
          {{title}}
        </td>
        <td>
          {{artist}}
        </td>
        <td>
          {{each}}
        </td>
      </tr>
    </tbody>
  </table>
```

| Beethoven Sonatas   |           |  |
|---------------------|-----------|--|
| Song                | Artist    |  |
| Piano Sonata No. 3  | Beethoven |  |
| Piano Sonata No. 7  | Beethoven |  |
| Piano Sonata No. 10 | Beethoven |  |

listsongs.hbs

```
<table class="ui table">
  <thead>
    <tr>
      <th>Song</th>
      <th>Artist</th>
    </tr>
  </thead>
  <tbody>
    {{#each playlist.songs}}
      <tr>
        <td>
          {{title}}
        </td>
        <td>
          {{artist}}
        </td>
      </tr>
    {{/each}}
  </tbody>
</table>
```

playlist.hbs

```
{{> menu}}

<section class="ui segment">
  <h2 class="ui header">
    {{playlist.title}}
  </h2>
  {{> listsongs}}
</section>
```

Beethoven Sonatas

| Song                | Artist    |
|---------------------|-----------|
| Piano Sonata No. 3  | Beethoven |
| Piano Sonata No. 7  | Beethoven |
| Piano Sonata No. 10 | Beethoven |

playlist.hbs

```
{{> menu}}

<section class="ui segment">
  <h2 class="ui header">
    {{playlist.title}}
  </h2>
  {{> listsongs}}
</section>
```

New listsongs.hbs

```
<table class="ui table">
  <thead>
    <tr>
      <th>Song</th>
      <th>Artist</th>
      <th></th>
    </tr>
  </thead>
  <tbody>
    {{#each playlist.songs}}
      <tr>
        <td>
          {{title}}
        </td>
        <td>
          {{artist}}
        </td>
        <td>
          <a href="/playlist/{{../playlist.id}}/deleteSong/{{id}}" class="ui tiny red button">Delete Song</a>
        </td>
      </tr>
    {{/each}}
  </tbody>
</table>
```

| Beethoven Sonatas   |           |             |
|---------------------|-----------|-------------|
| Song                | Artist    |             |
| Piano Sonata No. 3  | Beethoven | Delete Song |
| Piano Sonata No. 7  | Beethoven | Delete Song |
| Piano Sonata No. 10 | Beethoven | Delete Song |

| Beethoven Sonatas   |           |             |
|---------------------|-----------|-------------|
| Song                | Artist    |             |
| Piano Sonata No. 3  | Beethoven | Delete Song |
| Piano Sonata No. 7  | Beethoven | Delete Song |
| Piano Sonata No. 10 | Beethoven | Delete Song |

What should clicking this button do?



# Delete Song Feature

Piano Sonata No. 3

Beethoven

Delete Song

Send REQUEST to Playlist Controller

Containing ID of Playlist  
+ ID of song to delete

Playlist controller should delete the song  
Then refresh the playlist view

```
"playlistCollection": [
  {
    "id" : "01",
    "title": "Beethoven Sonatas",
    "duration": 35,
    "songs": [
      {
        "id" : "04",
        "title": "Piano Sonata No. 3",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 5
      },
      {
        "id" : "05",
        "title": "Piano Sonata No. 7",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 6
      },
      {
        "id" : "06",
        "title": "Piano Sonata No. 10",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 4
      }
    ]
  },
  {
    "id" : "02",
    "title": "Beethoven Concertos",
    "duration": 23,
    "songs": [
      {
        "id" : "07",
        "title": "Piano Concerto No. 0",
        "artist": "Beethoven",

```



Delete Song Feature

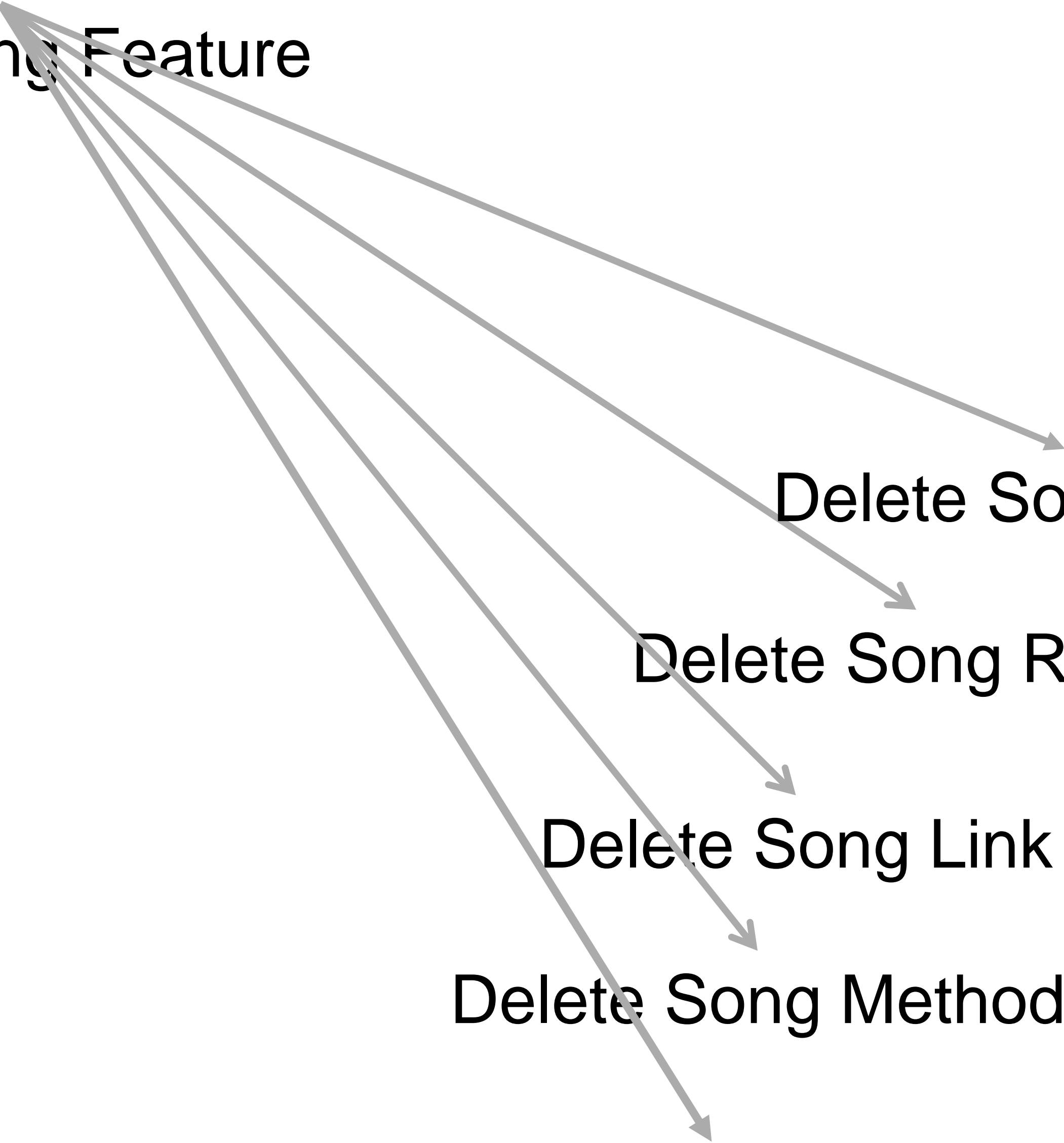
Delete Song Button

Delete Song Route

Delete Song Link

Delete Song Method

Delete Song From Store



listsongs.hbs

playlist.hbs

```
{{> menu}}

<section class="ui segment">
  <h2 class="ui header">
    {{playlist.title}}
  </h2>
  {{> listsongs}}
</section>
```

# Delete Song Button

```
<table class="ui table">
  <thead>
    <tr>
      <th>Song</th>
      <th>Artist</th>
      <th></th>
    </tr>
  </thead>
  <tbody>
    {{#each playlist.songs}}
      <tr>
        <td>
          {{title}}
        </td>
        <td>
          {{artist}}
        </td>
        <td>
          <a class="ui tiny red button">Delete Song</a>
        </td>
      </tr>
    {{/each}}
  </tbody>
</table>
```


| Beethoven Sonatas   |           |             |
|---------------------|-----------|-------------|
| Song                | Artist    |             |
| Piano Sonata No. 3  | Beethoven | Delete Song |
| Piano Sonata No. 7  | Beethoven | Delete Song |
| Piano Sonata No. 10 | Beethoven | Delete Song |

# Delete Song Route

```
router.get('/playlist/:id/deletesong/:songid', playlist.deleteSong);
```

# Delete Song Route

```
router.get('/playlist/:id/deletesong/:songid', playlist.deleteSong);
```



The diagram illustrates the mapping of route parameters in the URL `/playlist/:id/deletesong/:songid` to their respective meanings. A light gray box highlights the code snippet. Two arrows originate from this box: one points from the `:id` parameter to the text 'ID of Playlist containing song to delete', and another points from the `:songid` parameter to the text 'ID of song to delete'.

ID of Playlist  
containing song  
to delete

ID of song to  
delete

# Delete Song Link

```
<table class="ui table">
  <thead>
    <tr>
      <th>Song</th>
      <th>Artist</th>
      <th></th>
    </tr>
  </thead>
  <tbody>
    {{#each playlist.songs}}
    <tr>
      <td>
        {{title}}
      </td>
      <td>
        {{artist}}
      </td>
      <td>
        <a href="/playlist/{{../playlist.id}}/deletesong/{{id}}" class="ui tiny red button">Delete Song</a>
      </td>
    </tr>
    {{/each}}
  </tbody>
</table>
```

id of playlist

id of song

Piano Sonata No. 3

Beethoven

Delete Song

# Delete Song Method

Get ID of Playlist

Get ID of Song

Delete Song from Playlist

Refresh the Current  
Page

```
const playlist = {  
  
  ...  
  
  deleteSong(request, response) {  
  
    const playlistId = request.params.id;  
  
    const songId = request.params.songid;  
  
    playlistStore.removeSong(playlistId, songId);  
  
    response.redirect('/playlist/' + playlistId);  
  },  
  
};
```

Redirect -> Refresh the '/playlist/id' route

# Delete Song From Store

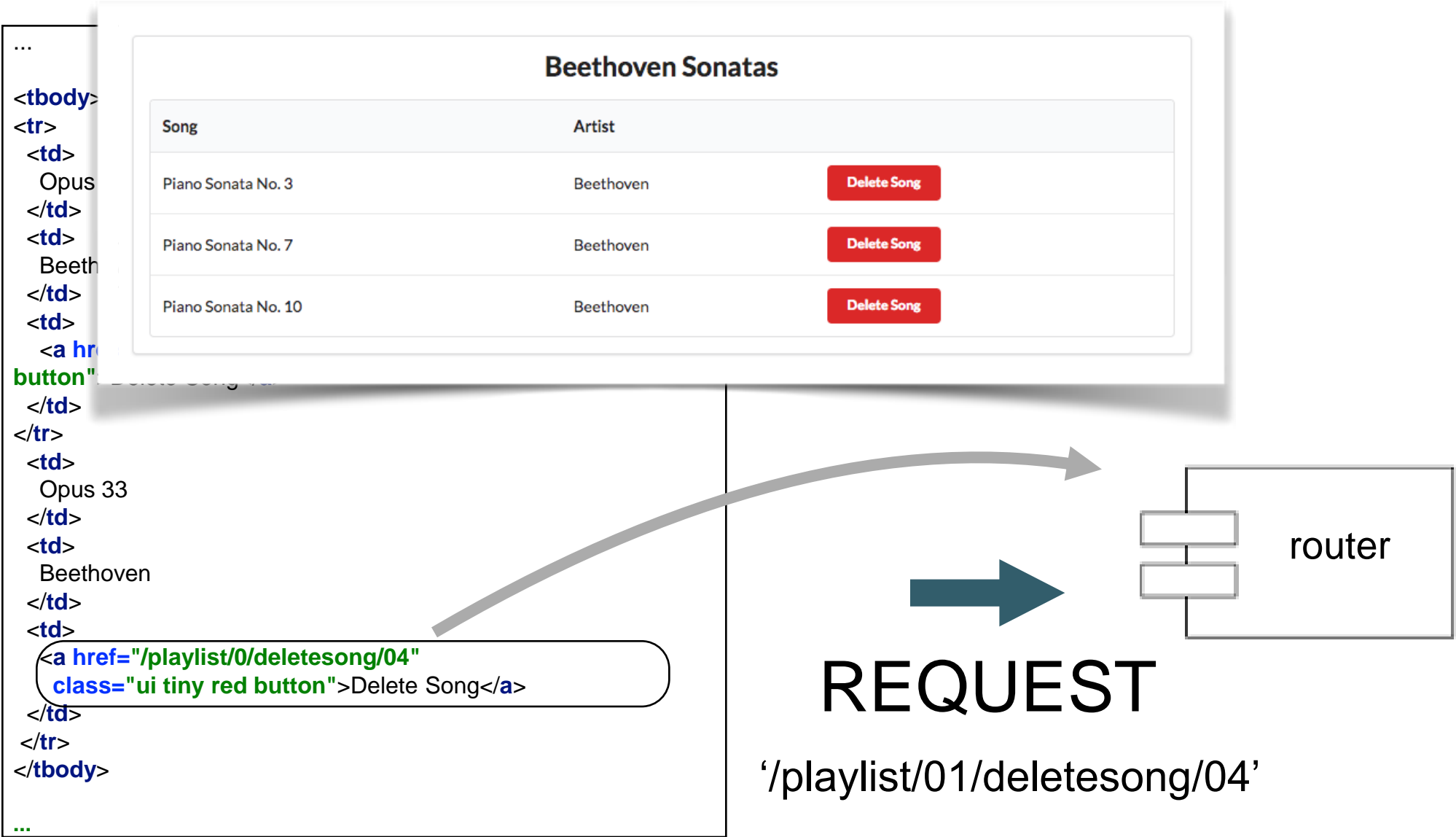
```
const playlistStore = {  
  
  playlistCollection: require('./playlist-store.json').playlistCollection,  
  
  getAllPlaylists() {  
    return this.playlistCollection;  
  },  
  
  getPlaylist(id) {  
    return _.find(this.playlistCollection, { id: id });  
  },  
  
  removeSong(id, songId) {  
    const playlist = this.getPlaylist(id);  
    _.remove(playlist.songs, { id: songId });  
  },  
};
```

Remove  
from this  
songs array

ID of song  
to remove







...

<tbody>

<tr>

<td>

Opus

</td>

<td>

Beeth

</td>

<td>

<a href="/playlist/0/deletesong/04" class="ui tiny red button">Delete Song</a>

</td>

</tr>

<tr>

<td>

Opus 33

</td>

<td>

Beethoven

</td>

<td>

<a href="/playlist/0/deletesong/04" class="ui tiny red button">Delete Song</a>

</td>

</tr>

</tbody>

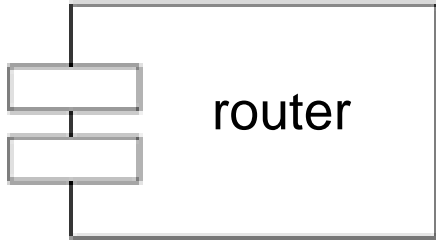
...

Beethoven Sonatas

| Song                | Artist    |             |
|---------------------|-----------|-------------|
| Piano Sonata No. 3  | Beethoven | Delete Song |
| Piano Sonata No. 7  | Beethoven | Delete Song |
| Piano Sonata No. 10 | Beethoven | Delete Song |

REQUEST

‘/playlist/01/deletesong/04’



playlist.deleteSong(req, res)

```
routes.js

router.get('/', start.index);
router.get('/dashboard', dashboard.index);
router.get('/playlist:id/deletesong:songid', playlist.deleteSong);
router.get('/about', about.index);
```

```
const playlist = {
  ...
  deleteSong(request, response) {
    const playlistId = request.params.id;
    const songId = request.params.songid;
    playlistStore.removeSong(playlistId, songId);
    response.redirect('/playlist/' + playlistId);
  },
};
```

...

<tbody>

<tr>

<td>

Opus

</td>

<td>

Beeth

</td>

<td>

<a href="/playlist/0/deletesong/04" class="ui tiny red button">Delete Song</a>

</td>

</tr>

<tr>

<td>

Opus 33

</td>

<td>

Beethoven

</td>

<td>

<a href="/playlist/0/deletesong/04" class="ui tiny red button">Delete Song</a>

</td>

</tr>

</tbody>

...

Beethoven Sonatas

| Song                | Artist    |             |
|---------------------|-----------|-------------|
| Piano Sonata No. 3  | Beethoven | Delete Song |
| Piano Sonata No. 7  | Beethoven | Delete Song |
| Piano Sonata No. 10 | Beethoven | Delete Song |

REQUEST

/playlist/01/deletesong/04'

routes.js

```
router.get('/', start.index);
router.get('/dashboard', dashboard.index);
router.get('/playlist/:id/deletesong/:songid', playlist.deleteSong);
router.get('/about', about.index);
```

model

const playlistStore = {  
 ...  
 removeSong(id, songId) {  
 ...  
 },  
 ...  
};

controller

const playlist = {  
 ...  
 deleteSong(request, response) {  
 const playlistId = request.params.id;  
 const songId = request.params.songid;  
 playlistStore.removeSong(playlistId, songId);  
 response.redirect('/playlist/' + playlistId);  
 },  
};

router

playlist.deleteSong(req, res)

playlistCollection

```
{  
  "id" : "01",  
  "title": "Beethoven Sonatas",  
  "duration": 35,  
  "songs": [  
    {  
      "id" : "04",  
      "title": "Piano Sonata No. 3",  
      "artist": "Beethoven",  
      "genre": "Classical",  
      "duration": 5  
    },  
    {  
      "id" : "05",  
      "title": "Piano Sonata No. 7",  
      "artist": "Beethoven",  
      "genre": "Classical",  
      "duration": 6  
    },  
    {  
      "id" : "06",  
      "title": "Piano Sonata No. 10",  
      "artist": "Beethoven",  
      "genre": "Classical",  
      "duration": 4  
    }  
  ],  
  "id" : "02",  
  "title": "Beethoven Concertos",  
  "duration": 23,  
  "songs": [  
    {  
      "id" : "07",  
      "title": "Piano Concerto No. 0",  
      "artist": "Beethoven",  
      "duration": 20  
    }  
  ]  
}
```

...

<tbody>

<tr>

Beethoven Sonatas

</tr>

<td>

Opus 33

</td>

<td>

Beethoven

</td>

<td>

<a href="/playlist/0/deletesong/04" class="ui tiny red button">Delete Song</a>

</td>

</tr>

</tbody>

...

REQUEST

/playlist/01/deletesong/04'

routes.js

router.get('/', start.index);  
router.get('/dashboard', dashboard.index);  
router.get('/playlist/:id/deletesong/:songid', playlist.deleteSong);  
router.get('/about', about.index);

model

const playlistStore = {  
...  
removeSong(id, songId) {  
...  
},  
...  
};

"playlistCollection": [  
 {  
 "id" : "01",  
 "title": "Beethoven Sonatas",  
 "duration": 35,  
 "songs": [  
 {  
 "id" : "04",  
 "title": "Piano Sonata No. 3",  
 "artist": "Beethoven",  
 "genre": "Classical",  
 "duration": 5  
 },  
 {  
 "id" : "05",  
 "title": "Piano Sonata No. 7",  
 "artist": "Beethoven",  
 "genre": "Classical",  
 "duration": 4  
 },  
 {  
 "id" : "06",  
 "title": "Piano Sonata No. 10",  
 "artist": "Beethoven",  
 "genre": "Classical",  
 "duration": 4  
 }  
 ],  
 },  
 {  
 "id" : "02",  
 "title": "Beethoven Concertos",  
 "duration": 2,  
 "songs": [  
 {  
 "id" : "0",  
 "title": "Piano Concerto No. 0",  
 "artist": "Beethoven",  
 "duration": 4  
 }  
 ],  
 },  
]

router

playlist.deleteSong(req, res)

const playlist = {  
...  
deleteSong(request, response) {  
 const playlistId = request.params.id;  
 const songId = request.params.songid;  
 playlistStore.removeSong(playlistId, songId);  
 response.redirect('/playlist' + playlistId);  
},  
};

controller

view

playlist.hbs

<{{> menu}}  
  
<section class="ui segment">  
 <h2 class="ui header">  
 {{playlist.title}}  
 </h2>  
 <{{> listsongs}}  
</section>

listsongs.hbs

<table class="ui table">  
 <thead>  
 <tr>  
 <th>Song</th>  
 <th>Artist</th>  
 <th></th>  
 </tr>  
 </thead>  
 <tbody>  
 <{{#each playlist.songs}}>  
 <tr>  
 <td>  
 {{title}}  
 </td>  
 <td>  
 {{artist}}  
 </td>  
 <td>  
 <a class="ui...">Delete Song</a>  
 </td>  
 </tr>  
 </tbody>  
 </table>

viewData = {  
 title: 'Playlist',  
 playlist: {  
 "id" : "01",  
 "title": "Beethoven Sonatas",  
 "duration": 07,  
 "songs": [  
 {  
 "id" : "05",  
 "title": "Opus 120: Thirty-three...",  
 "artist": "Beethoven",  
 "genre": "Classical",  
 "duration": 45  
 }  
 ...  
 ...  
 ],  
 },  
}

