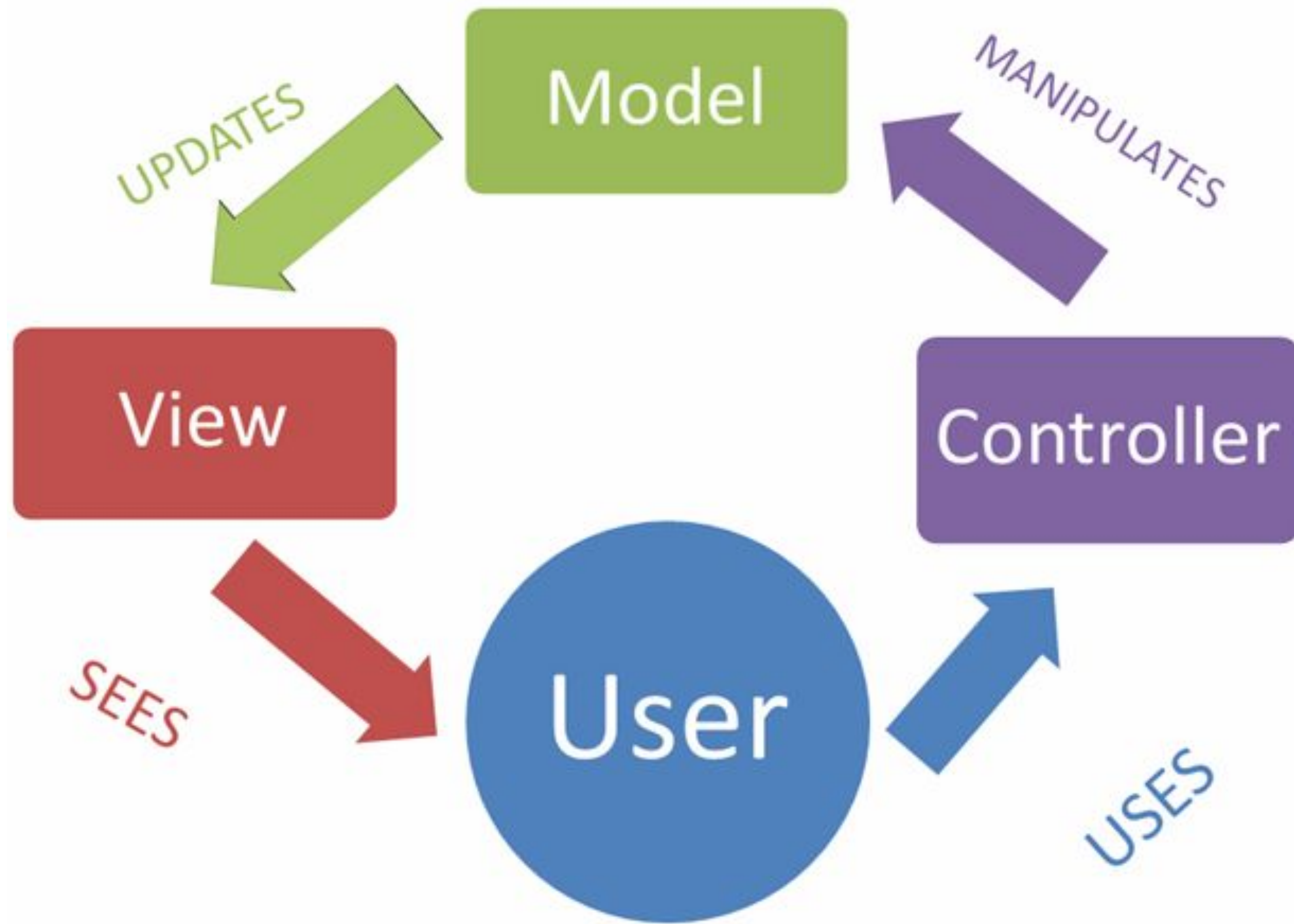


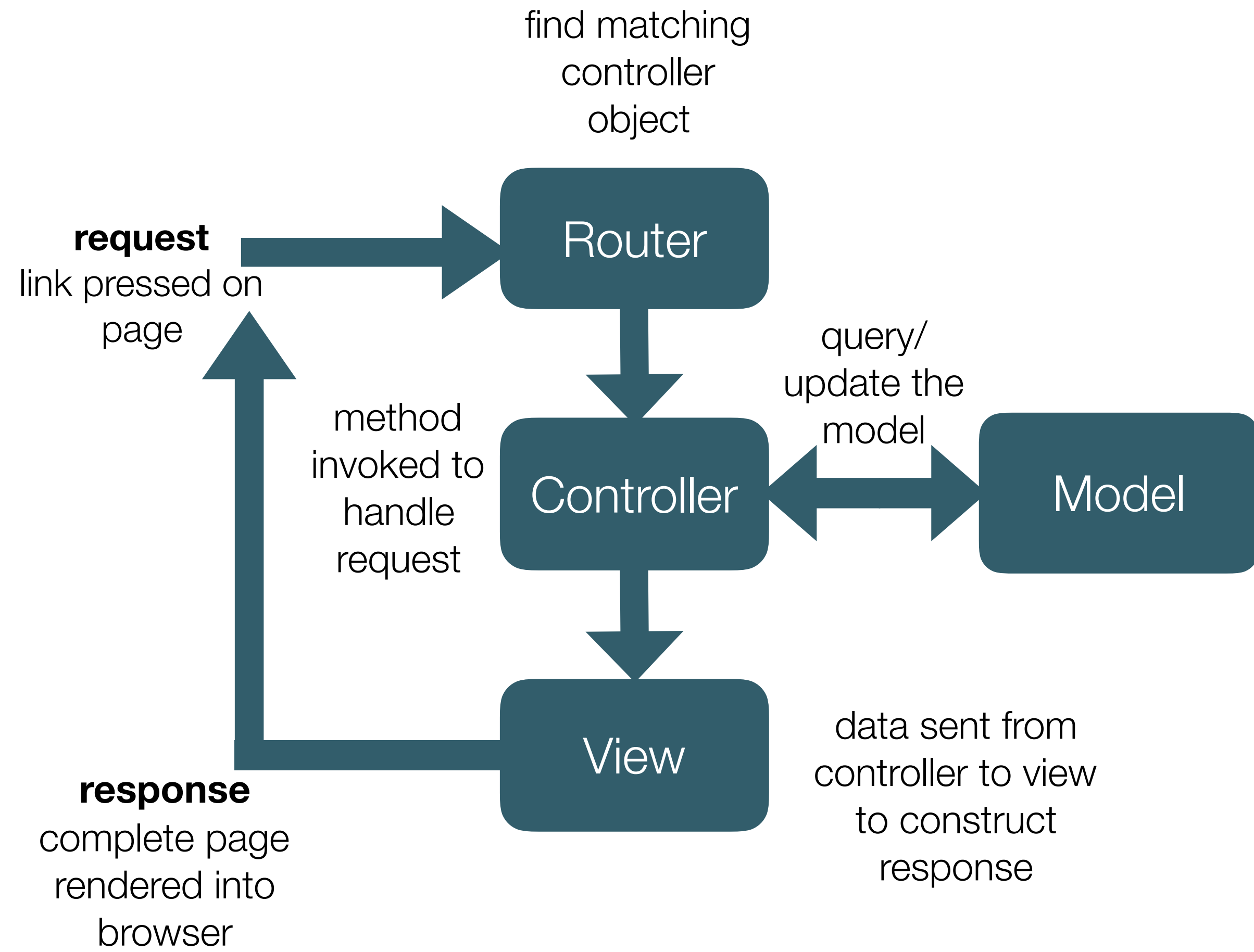
Song Delete Button



```
assets
controllers/about.js
controllers/dashboard.js
controllers/playlist.js
models/json-store.js
models/playlist-store.js
models/playlist-store.json
utils/logger.js
views/layouts/main.hbs
views/partials/addplaylist.hbs
views/partials/addsong.hbs
views/partials/listplaylists.hbs
views/partials/listsongs.hbs
views/partials/mainpanel.hbs
views/partials/menu.hbs
views/about.hbs
views/dashboard.hbs
views/playlist.hbs
.env
.gitignore
README.md
package.json
routes.js
server.js
```

Request/Response Lifecycle

1. **Request** - link pressed on page
2. **Router** - find matching controller object
3. **Controller** - method invoked to handle request
4. **Model** - model queried/updated by controller
5. **View** - data sent from controller to view to construct response
6. **Response** - complete page rendered into browser



<https://gomix-list.gomix.me/playlist/01>

[Get Playlist](#)
[Feature](#)

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": 5  
      }  
    ]  
  }  
]
```

playlist-store.js

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

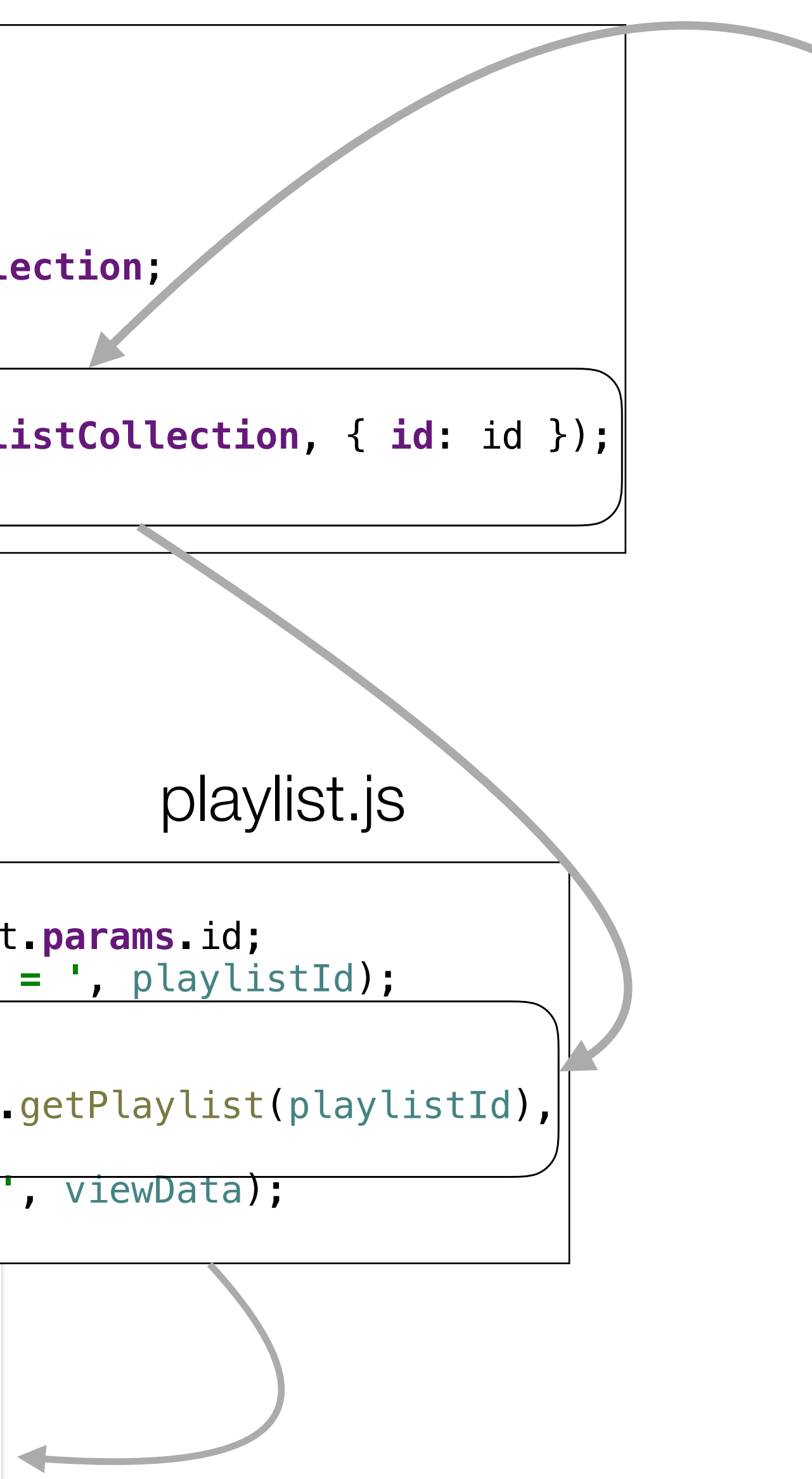
playlist.js

```
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);  
},
```

Controller / Model Interaction

Beethoven Son

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);  
},
```

Controller / View Interaction

```
{  
  "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>  
      </tr>  
    {{/each}}  
  </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>
      <th></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>
```

Playlist Templates

Beethoven Sonatas

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

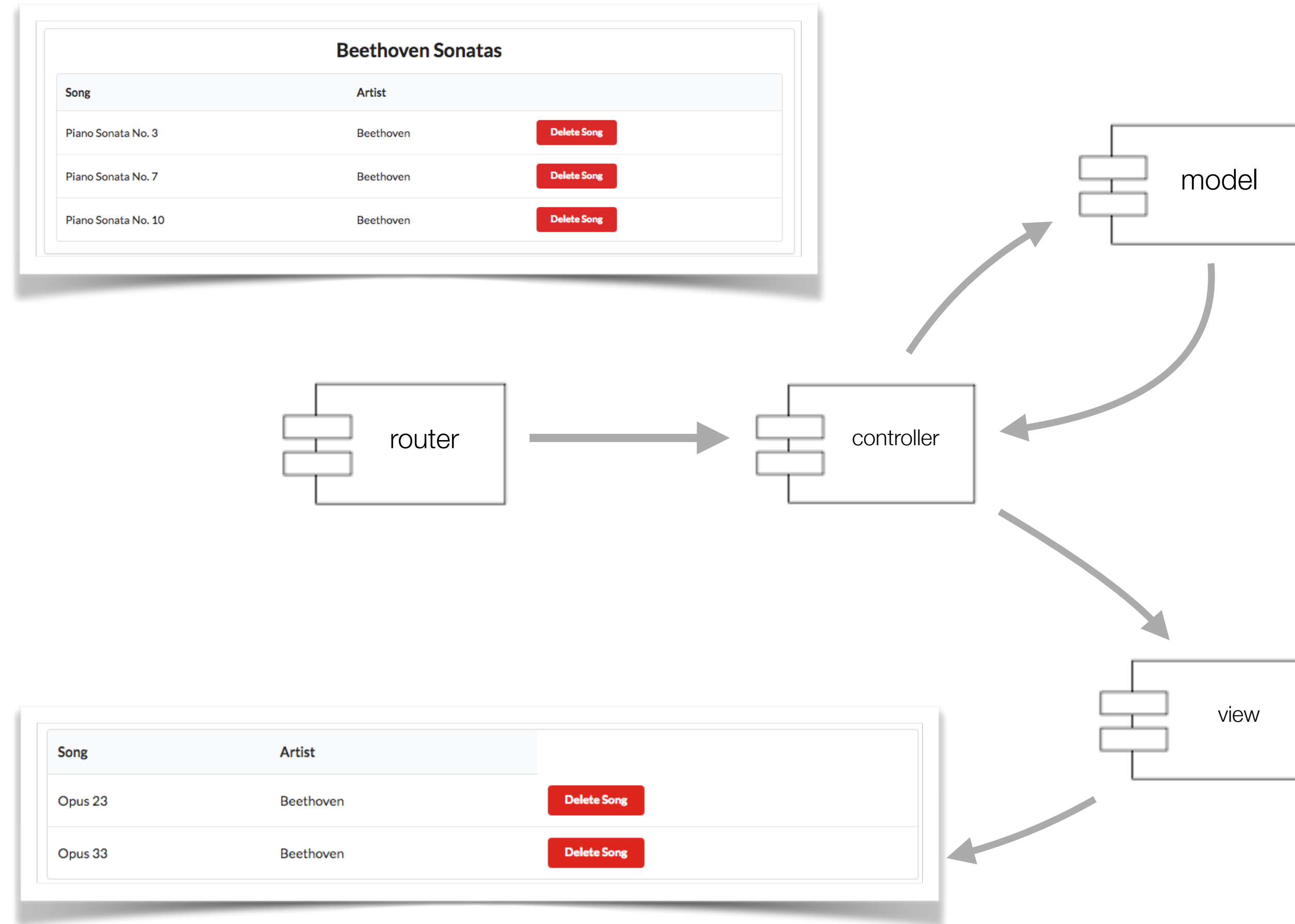
Beethoven Sonatas

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



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

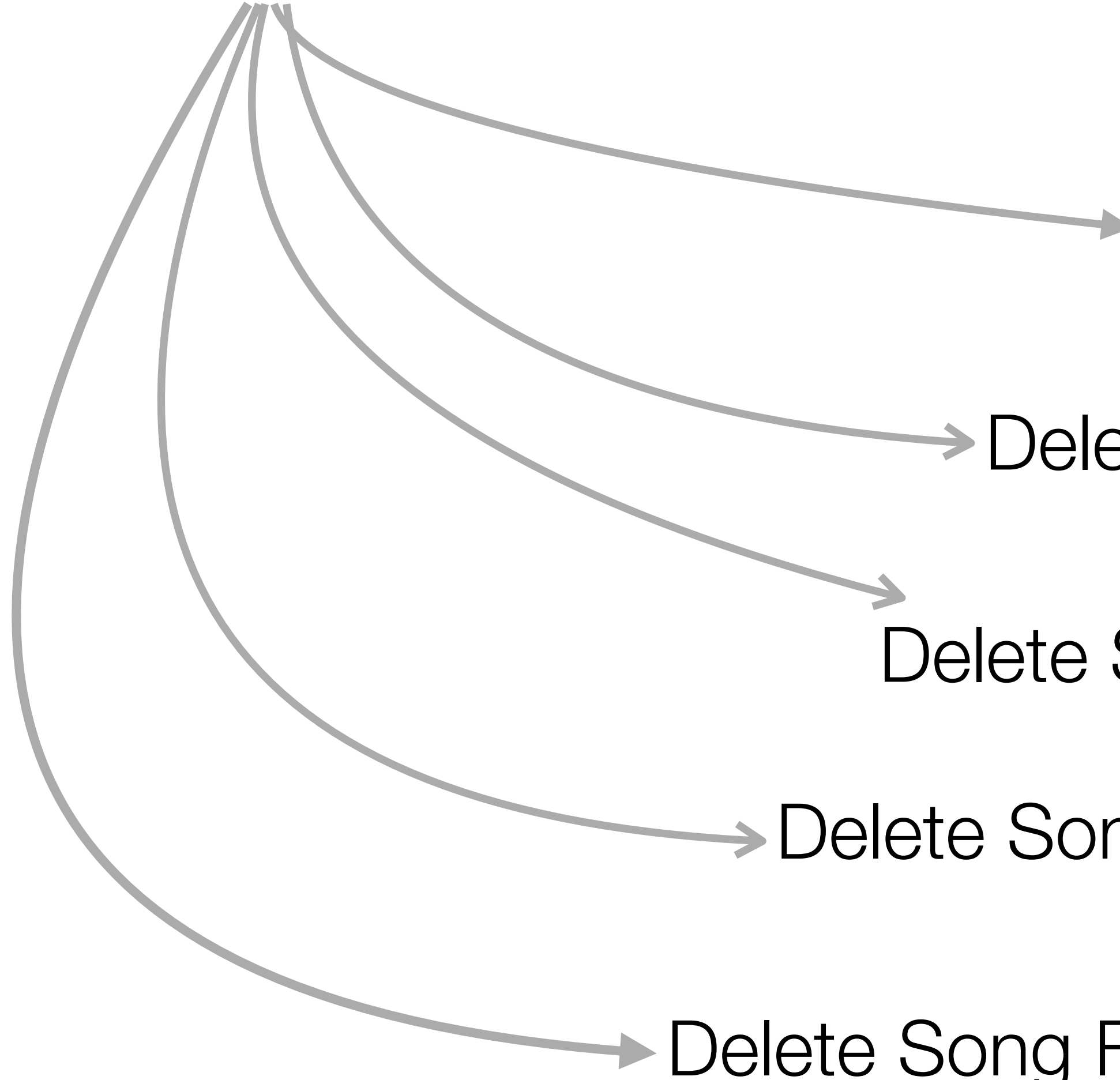
Delete Song Button

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>
```

```
<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>
```

Delete
Song
Button

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);
```

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 });  
  },  
};
```

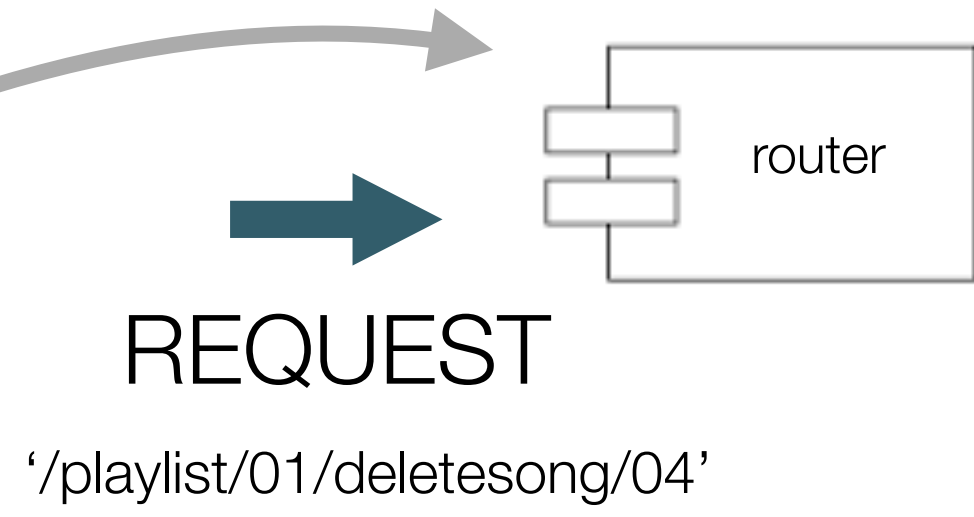
Remove
from this
songs array

ID of song
to remove

https://gomix-list.gomix.me/playlist/01

```
...  
<tbody>  
<tr>  
<td>  
Op  
</td>  
<td>  
Be  
</td>  
<td>  
<a href="/playlist/0/deletesong/04"  
class="ui tiny red button">Delete Song</a>  
</td>  
</tr>  
</tbody>  
...
```

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



https://gomix-list.gomix.me/playlist/01

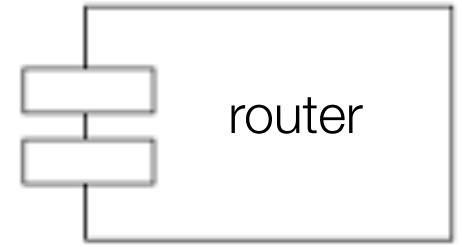
...

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

...

```
<tbody>
<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);
```

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

response.redirect('/playlist/' + playlistId);

playlist.deleteSong(req, res)

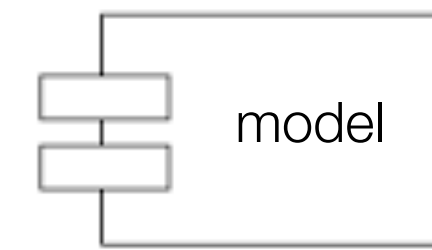
https://gomix-list.gomix.me/playlist/01

...
 <tbody>
 <tr>
 <td>
 Op
 </td>
 <td>
 Be
 </td>
 <td>
 Delete Song
 </td>
 </tr>
 <tr>
 <td>
 Opus 33
 </td>
 <td>
 Beethoven
 </td>
 <td>
 </td>
 </tr>
 <tr>
 <td>
 </td>
 <td>
 </td>
 <td>
 </td>
 </tr>
 <tr>
 <td>
 </td>
 <td>
 </td>
 <td>
 </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'

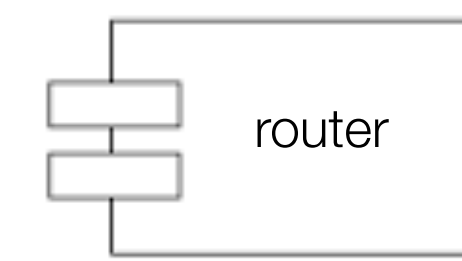
```
routes.js
router.get('/', start.index);
router.get('/dashboard', dashboard.index);
router.get('/playlist/:id/deletesong/:songid', playlist.deleteSong);
router.get('/about', about.index);
```



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

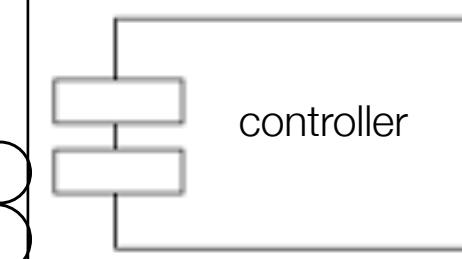
```
"playlistCollection": [
  {
    "id": "01",
    "title": "Beethoven Sonatas",
    "duration": 35,
    "songs": [
      {
        "id": "04",
        "title": "Piano Sonata No. 3",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 5
      },
      {
        "id": "05",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

```

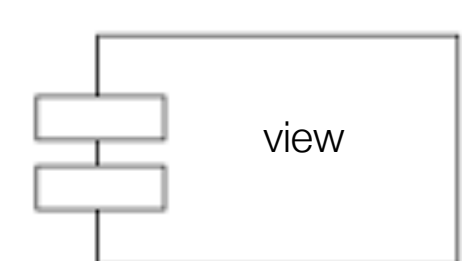


playlist.deleteSong(req, res)

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



response.redirect('/playlist/' + playlistId);



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

```
<table class="ui table">
  <thead>
    <tr>
      <th>listsongs.hbs</th>
      <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>
```

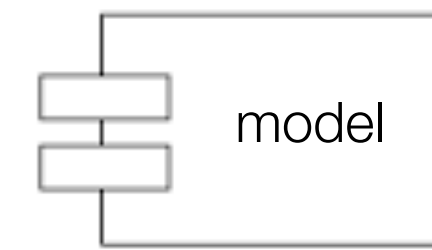
```
viewData = {
  title: 'Playlist',
  playlist: {
    "id": "01",
    "title": "Beethoven Sonatas",
    "duration": 07,
    "songs": [
      {
        "id": "05",
        "title": "Opus 120: Thirty-three...",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 45
     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

https://gomix-list.gomix.me/playlist/01

...
 <tbody>
 <tr>
 <td>
 Op
 </td>
 <td>
 Be
 </td>
 <td>
 Delete Song
 </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

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



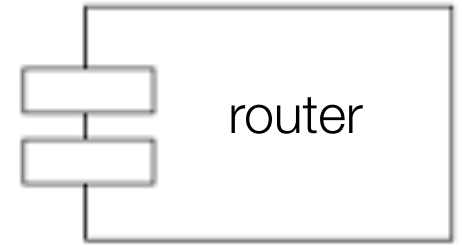
```
const playlistStore = {
  ...
  removeSong(id, songId) {
    ...
  },
  ...
};
```

```
"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": 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",

```

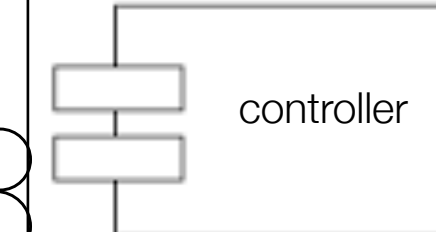
REQUEST

'/playlist/01/deletesong/04'



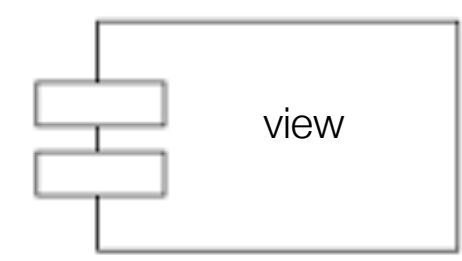
playlist.deleteSong(req, res)

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



response.redirect('/playlist/' + playlistId);

Song	Artist	
Opus 23	Beethoven	Delete Song
Opus 33	Beethoven	Delete Song



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

```
<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
      }
    ]
  },
  ...
};
```

RESPONSE

'/playlist/01'

```
main.hbs
<!DOCTYPE html>
<html>
  <head>
    ...
  </head>
  <body>
    <section class="ui container">
      <{{body}}>
    </section>
  </body>
</html>
```

https://gomix-list.gomix.me/playlist/01