JSON

JSON Playlist Collection

- Javascript Object Notation
- This is a data file in JSON format
- It is a subset of javascript notation describing a data structure

```
"playlistCollection": [
  "title": "Beethoven Sonatas",
  "songs": [
     "title": "Piano Sonata No. 3",
    "artist": "Beethoven"
    "title": "Piano Sonata No. 7",
    "artist": "Beethoven"
    "title": "Piano Sonata No. 10",
    "artist": "Beethoven"
  "title": "Beethoven Concertos",
  "songs": [
    "title": "Piano Concerto No. 0",
    "artist": "Beethoven"
    "title": "Piano Concerto No. 4",
    "artist": "Beethoven"
    "title": "Piano Concerto No. 6",
    "artist": "Beethoven"
```

- A song object, containing:
 - title a string
 - artist a string

```
{
  "title": "Piano Concerto No. 6",
  "artist": "Beethoven"
}
```

Three song objects, each containing

- title a string
- artist a string

```
{
  "title": "Piano Concerto No. 0",
  "artist": "Beethoven"
},
{
  "title": "Piano Concerto No. 4",
  "artist": "Beethoven"
},
{
  "title": "Piano Concerto No. 6",
  "artist": "Beethoven"
}
```

- songs an array of three song objects, each containing
 - title a string
 - artist a string

- A playlist object, containing:
 - title a string
 - songs an array of objects, each containing
 - title a string
 - artist a string

```
"title": "Beethoven Concertos",
"songs": [
  "title": "Piano Concerto No. 0",
  "artist": "Beethoven"
  "title": "Piano Concerto No. 4",
  "artist": "Beethoven"
  "title": "Piano Concerto No. 6",
  "artist": "Beethoven"
```

- 2 playlist objects, each containing:
 - title a string
 - songs an array of objects, each containing:
 - title a string
 - artist a string

```
"title": "Beethoven Sonatas",
"songs":
  "title": "Piano Sonata No. 3",
  "artist": "Beethoven"
  "title": "Piano Sonata No. 7",
  "artist": "Beethoven"
  "title": "Piano Sonata No. 10",
  "artist": "Beethoven"
"title": "Beethoven Concertos",
"songs": [
  "title": "Piano Concerto No. 0",
  "artist": "Beethoven"
  "title": "Piano Concerto No. 4",
  "artist": "Beethoven"
  "title": "Piano Concerto No. 6",
  "artist": "Beethoven"
```

- A playlistCollection object, containing:
 - an array of 2 playlist objects, each containing:
 - title a string
 - songs an array of objects, each containing:
 - title a string
 - artist a string

```
"playlistCollection": [
  "title": "Beethoven Sonatas",
  "songs": [
    "title": "Piano Sonata No. 3",
    "artist": "Beethoven"
    "title": "Piano Sonata No. 7",
    "artist": "Beethoven"
    "title": "Piano Sonata No. 10",
    "artist": "Beethoven"
  "title": "Beethoven Concertos",
  "songs": [
    "title": "Piano Concerto No. 0",
    "artist": "Beethoven"
    "title": "Piano Concerto No. 4",
    "artist": "Beethoven"
    "title": "Piano Concerto No. 6",
    "artist": "Beethoven"
```

Playlist 1 Dashboard About

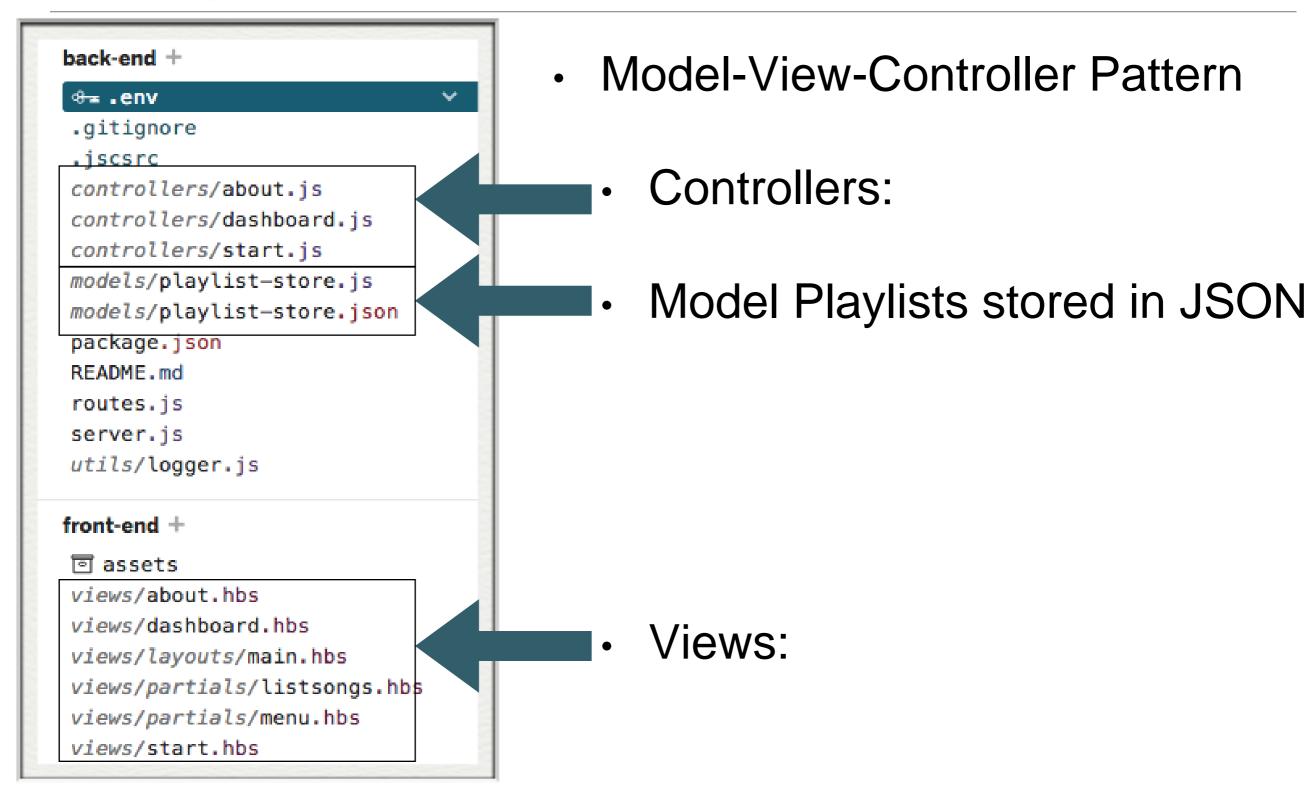
Beethoven Sonatas

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

Beethoven Concertos

Piano Concerto No. 0 Beethoven Beethoven	Song	Artist
Piano Concerto No. 4 Beethoven	Piano Concerto No. 0	Beethoven
	Piano Concerto No. 4	Beethoven
Piano Concerto No. 6 Beethoven	Piano Concerto No. 6	Beethoven

playlist-1



Controller / Model

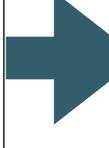
```
'use strict';
                              const logger = require('../utils/logger');
Load the model
                               const playlistCollection = require('../models/playlist-store.js');
   (the playlists)
                               const dashboard = {
                                index(request, response) {
 Place model in
                                 logger.info('dashboard rendering');
                                 const viewData = {
         viewData
                                  title: 'Playlist Dashboard',
                                  playlists: playlistCollection,
             object
                                 logger.info('about to render', playlistCollection);
                                 response.render('dashboard', viewData);
Send viewData
                                },
            to view
                              module.exports = dashboard;
```

Controller/View

dashboard.hbs

```
dashboard.js
```

```
index(request, response) {
  logger.info('dashboard rendering');
  const viewData = {
    title: 'Playlist Dashboard',
    playlists: playlistCollection,
  };
  logger.info('about to render', playlistCollection);
  response.render('dashboard', viewData);
},
```



 viewData sent to the dashboard view

```
{{> menu id="dashboard"}}
{{#each playlists}}
<section class="ui segment">
 <h2 class="ui header">
  {{title}}
 </h2>
 <thead>
   Song
    Artist
   </thead>
  {{#each songs}}
    {{title}}
     {{artist}}
    {{/each}}
  </section>
{{/each}}
```

Model/View

```
"title": "Beethoven Sonatas",
"songs": [
  "title": "Piano Sonata No. 3",
  "artist": "Beethoven"
  "title": "Piano Sonata No. 7".
  "artist": "Beethoven"
  "title": "Piano Sonata No. 10",
  "artist": "Beethoven"
"title": "Beethoven Concertos",
"songs": [
  "title": "Piano Concerto No. 0",
  "artist": "Beethoven"
  "title": "Piano Concerto No. 4",
  "artist": "Beethoven"
  "title": "Piano Concerto No. 6",
  "artist": "Beethoven"
```

```
index(request, response) {
  const viewData = {
    title: 'Playlist Dashboard',
    playlists: playlistCollection,
  };
  response.re_nder('dashboard', viewData);
}
```

```
{{> menu id= 'dashboard"}}
{{#each playlists}}
<section class="ui segment">
 <h2 class="ui header">
  {{title}}
 </h2>
 <thead>
   Song
    Artist
   </thead>
  {{#each songs}}
    {{title}}
    {{artist}}
    {{/each}}
  </section>
{{/each}}
```

Loop through each playlist object

Output the title

Loop through each song in each playlist

Output title + artist