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

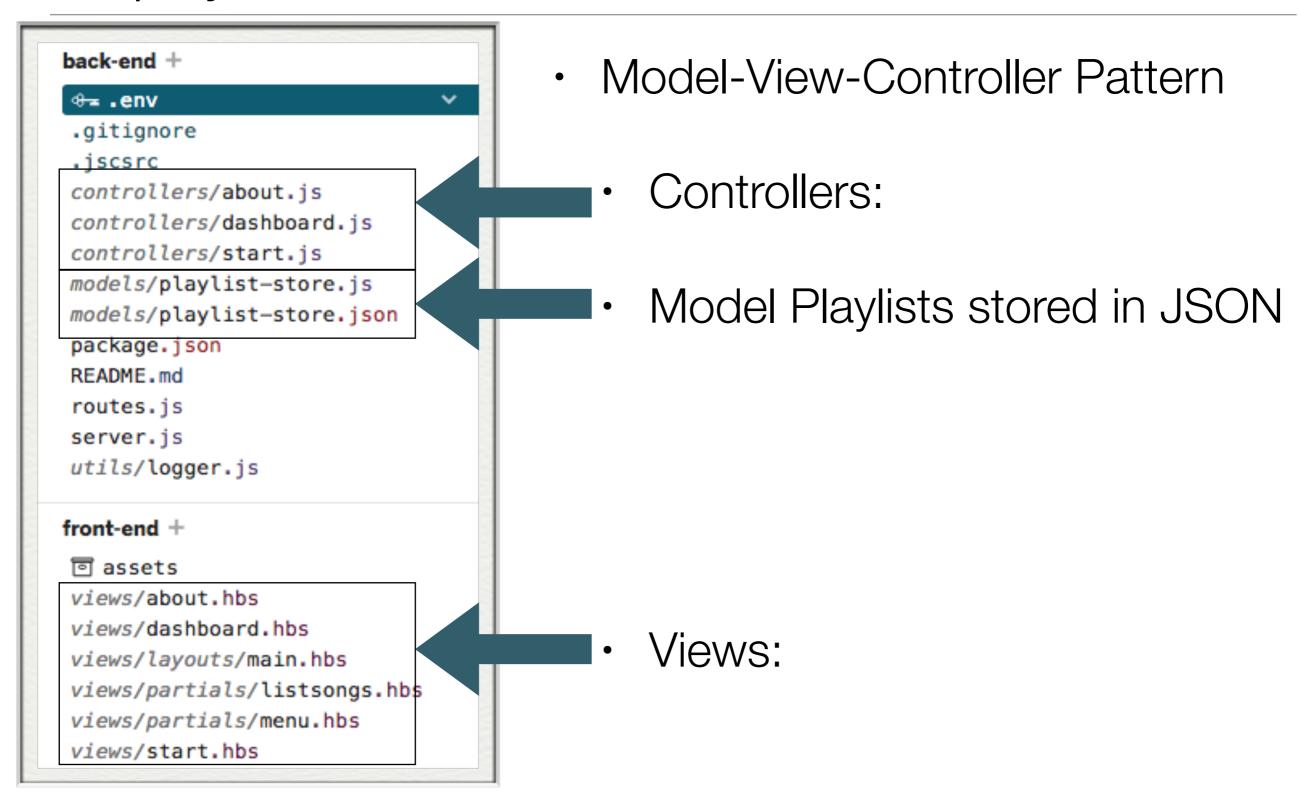
Beethoven Sonatas

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

Beethoven Concertos

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

playlist-1



Controller / Model

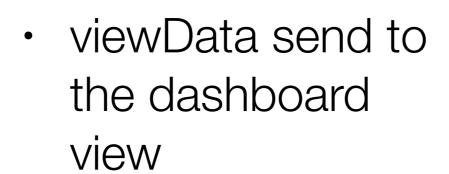
```
'use strict';
                        const logger = require('../utils/logger');
Load the model
                        const playlistCollection = require('../models/playlist-store.js');
   (the playlists)
                        const dashboard = {
                          index(request, response) {
                            logger.info('dashboard rendering');
 Place model in
                            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);
},
```



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

```
{{> menu id="dashboard"}}
                                 Loop through
{{#each playlists}}
                                 each playlist
 <section class="ui segment">
  <h2 class="ui header">
                                 object
    {{title}}
  </h2>
  <thead>
                                 output the title
     Song
       Artist
     </thead>
                                 loop though each
    {{#each songs}}
                                 song in each
       {{title}}
                                 playlist
        {{artist}}
        output title + artist
       {{/each}}
    </section>
{{/each}}
```