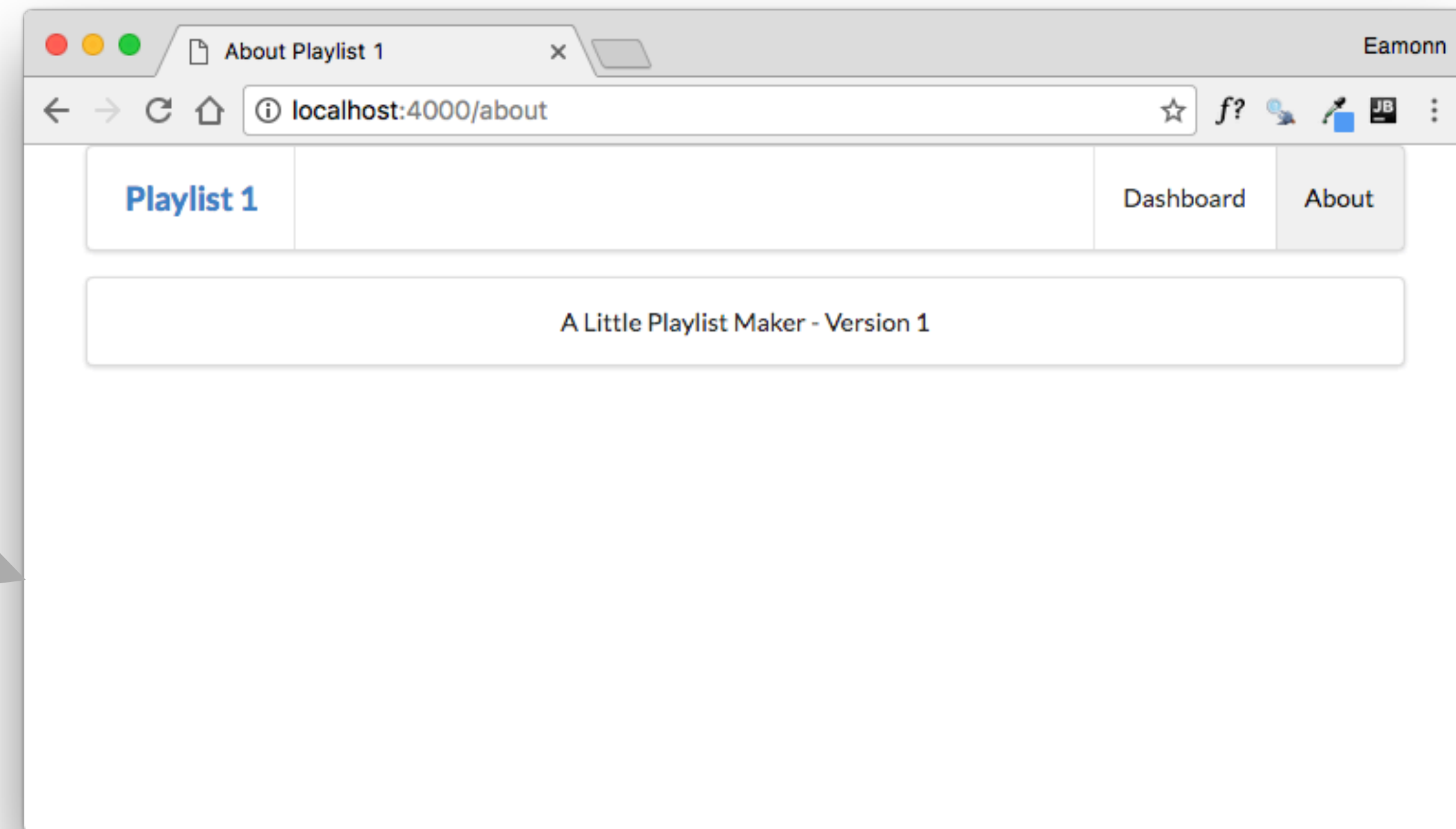
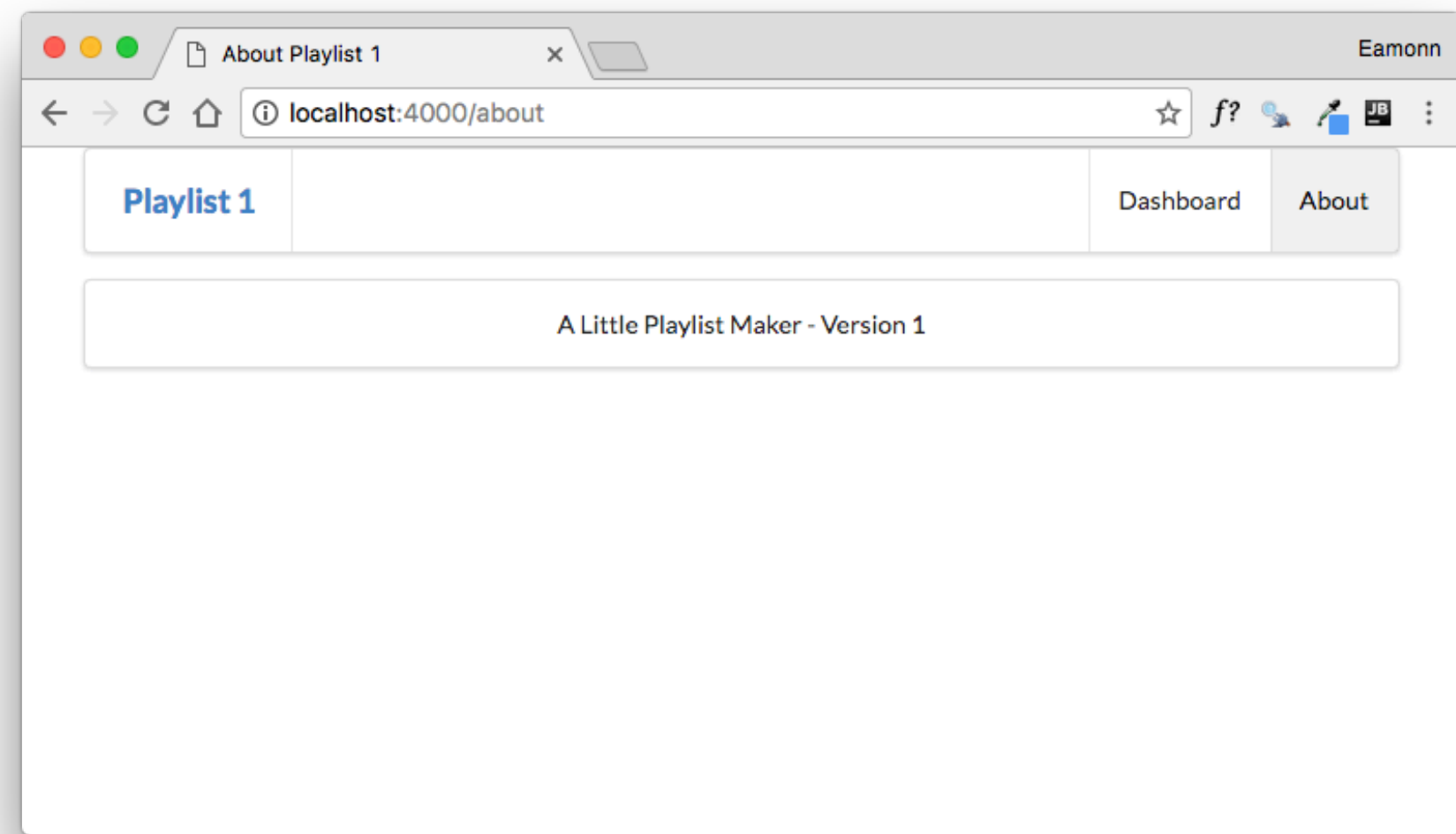
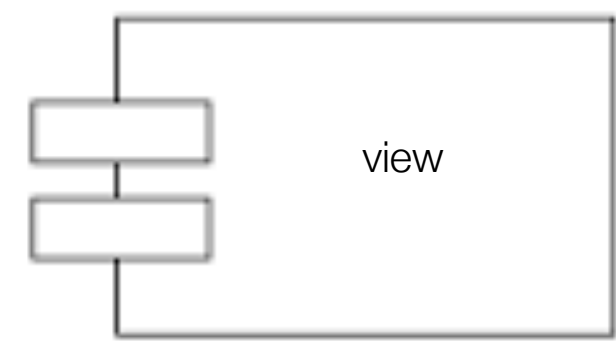
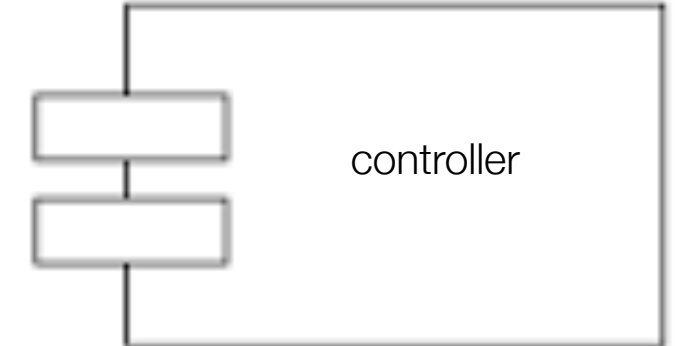
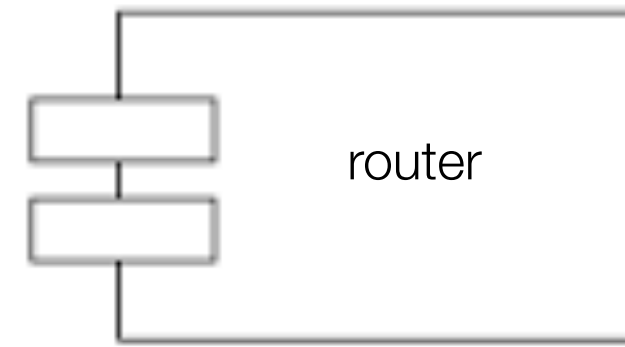
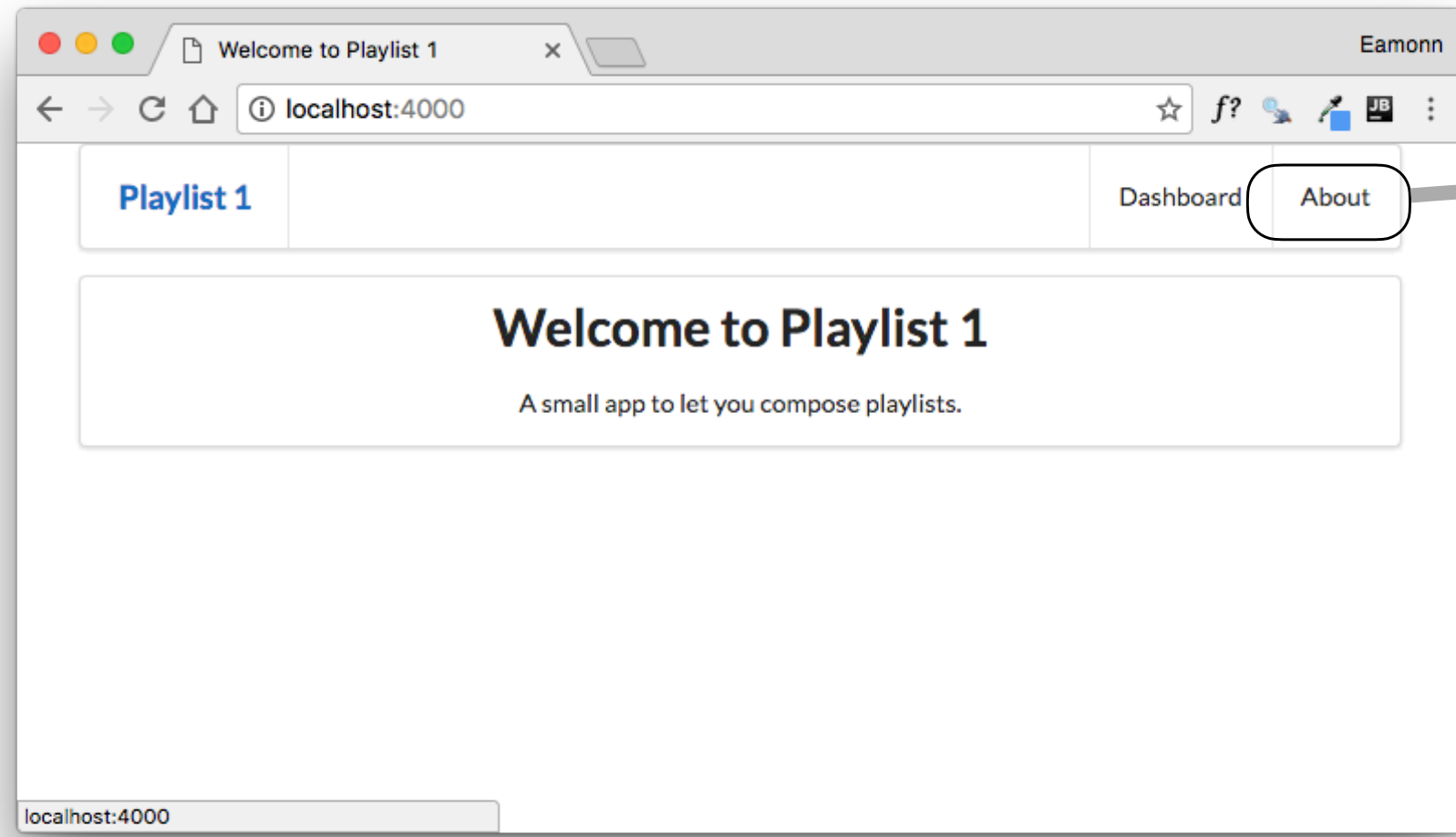


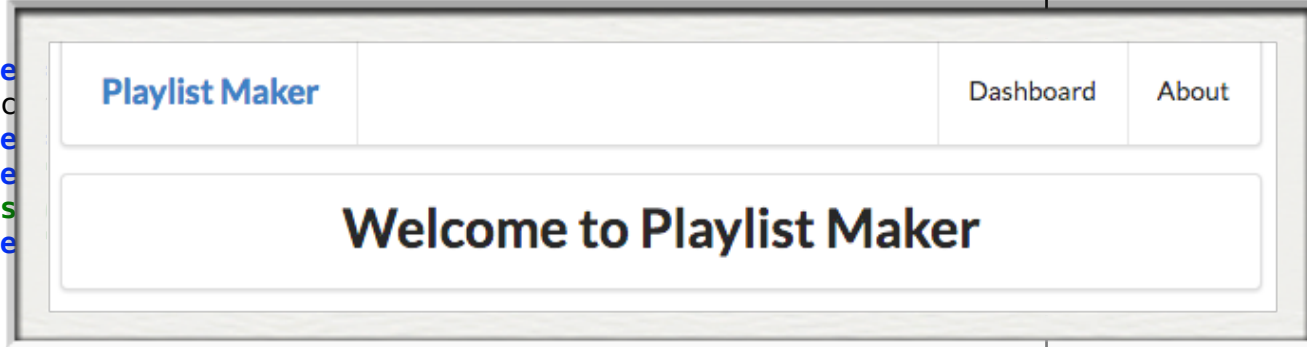
Router / Controller / View





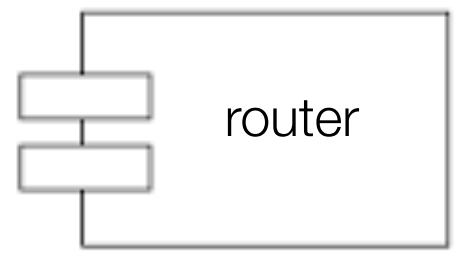
https://gomix-list.gomix.me/

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title> Welcome to Playlist Maker </title>
<meta charset="utf-8">
<script type="text/javascript">
<link rel="stylesheet" href="https://gomix-list.gomix.me/css/style.css">
<script type="text/javascript">
</script>
</head>
<body>
<section class="ui container">
<nav class="ui menu">
<header class="ui header item">
<a href="/"> Playlist 1 </a>
</header>
<div class="right menu">
<a id="dashboard" class="item" href="/dashboard">
Dashboard
</a>
<a id="about" class="item" href="/about">
About
</a>
</div>
</nav>
<section class="ui center aligned middle aligned segment">
<h1 class="ui header">
Welcome to Playlist 1
</h1>
<p>
A small app to let you compose playlists.
</p>
</section>
</section>
</body>
</html>
```



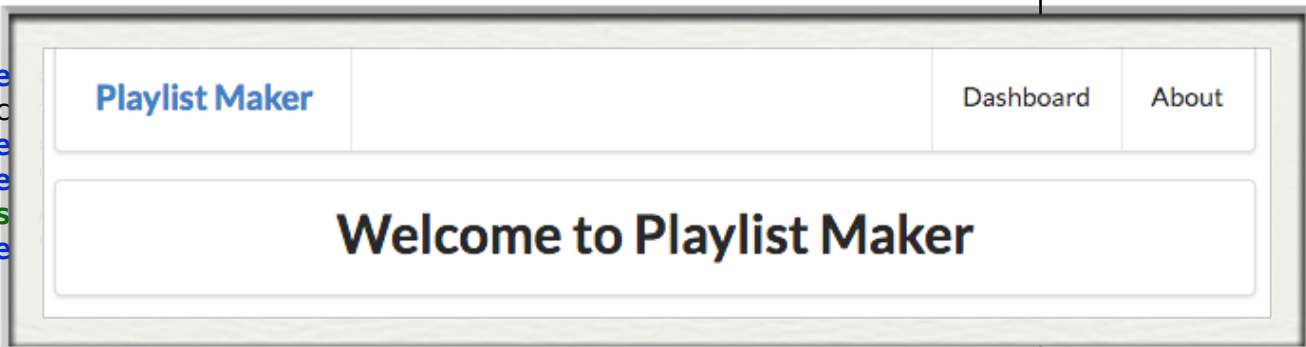
‘/about’

REQUEST



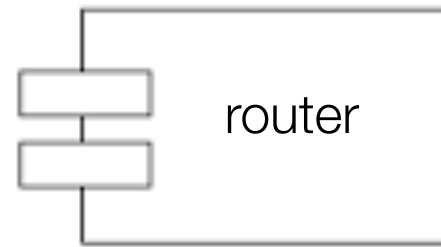
https://gomix-list.gomix.me/

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title> Welcome to Playlist Maker </title>
<meta charset="utf-8">
<script type="text/javascript">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css">
</script>
</head>
<body>
<section class="ui container">
<nav class="ui menu">
<header class="ui header item">
<a href="/"> Playlist 1 </a>
</header>
<div class="right menu">
<a id="dashboard" class="item" href="/dashboard">
Dashboard
</a>
<a id="about" class="item" href="/about">
About
</a>
</div>
</nav>
<section class="ui center aligned middle aligned segment">
<h1 class="ui header">
Welcome to Playlist 1
</h1>
<p>
A small app to let you compose playlists.
</p>
</section>
</section>
</body>
</html>
```

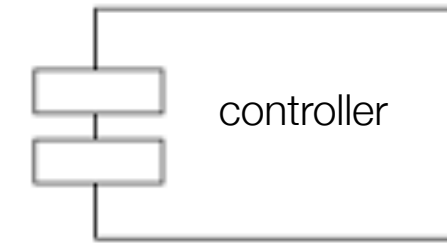


‘/about’

REQUEST



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



about.js

```
const about = {
  index(request, response) {
    logger.info('about rendering');
    const viewData = {
      title: 'About Playlist 1',
    };
    response.render('about', viewData);
  },
};
```

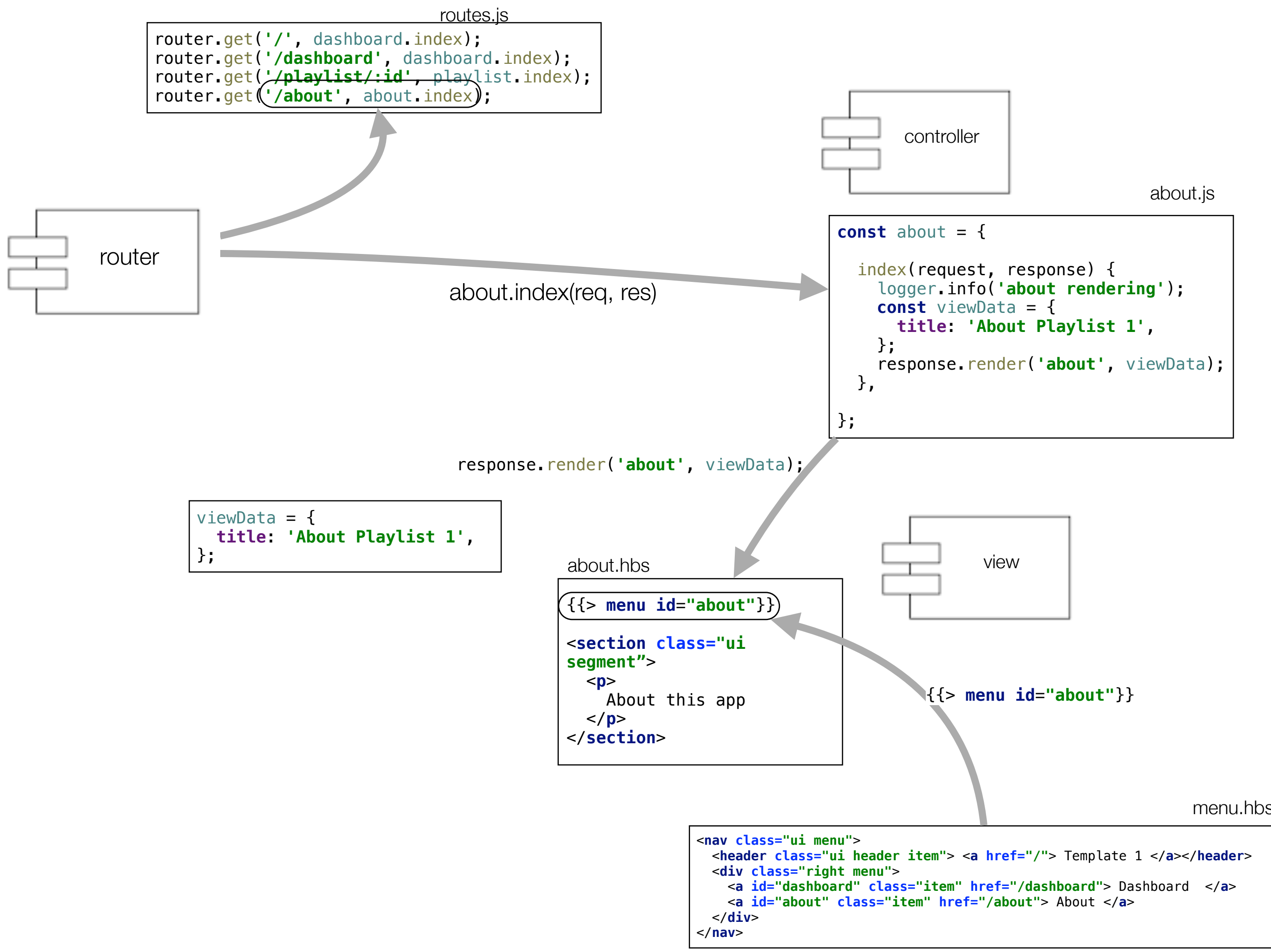
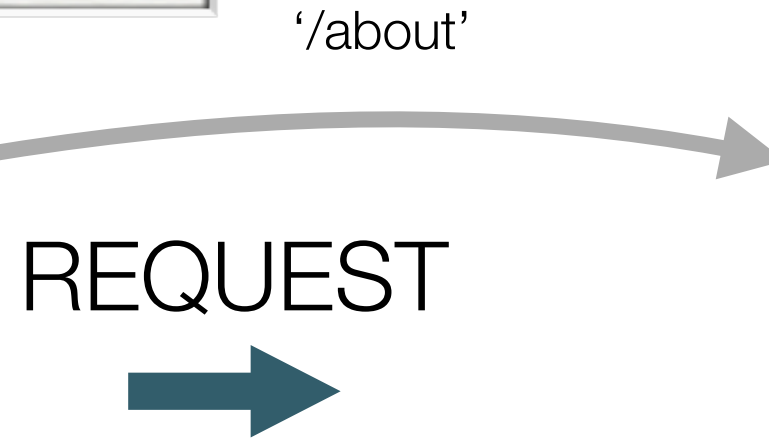
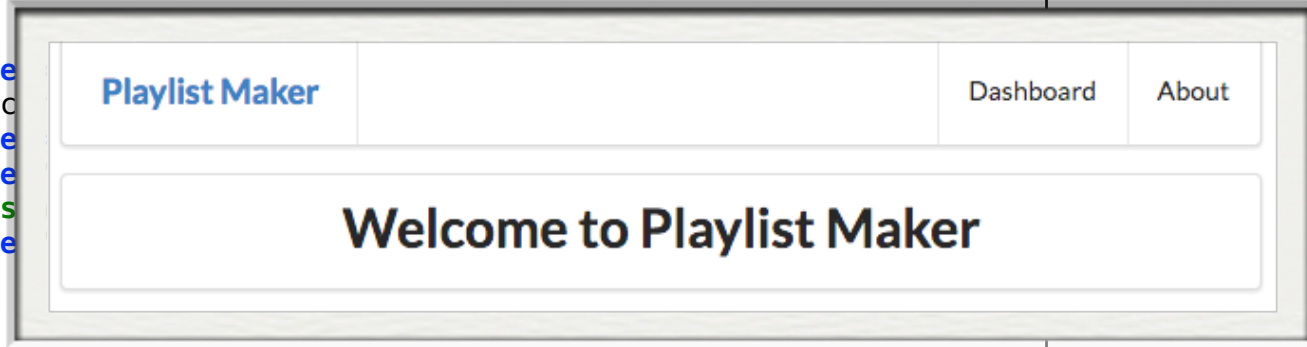
about.index(req, res)

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

```

<!DOCTYPE html>
<html>
<head>
<meta charse
<title> Welc
<meta charse
<script type
<link rel="s
<script type
</head>
<body>
<section class="ui container">
<nav class="ui menu">
<header class="ui header item">
<a href="/"> Playlist 1 </a>
</header>
<div class="right menu">
<a id="dashboard" class="item" href="/dashboard">
Dashboard
</a>
<a id="about" class="item" href="/about">
About
</a>
</div>
</nav>
<section class="ui center aligned middle aligned segment">
<h1 class="ui header">
Welcome to Playlist 1
</h1>
<p>
A small app to let you compose playlists.
</p>
</section>
</section>
</body>
</html>

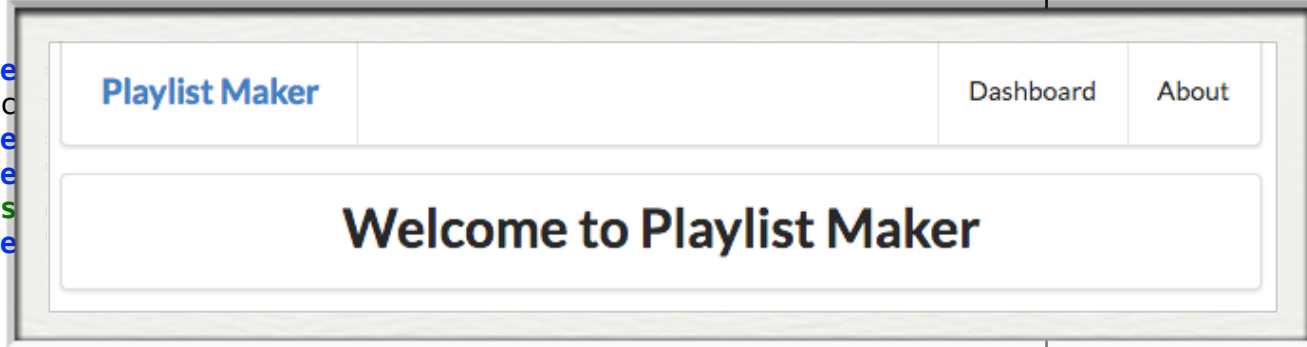
```



```

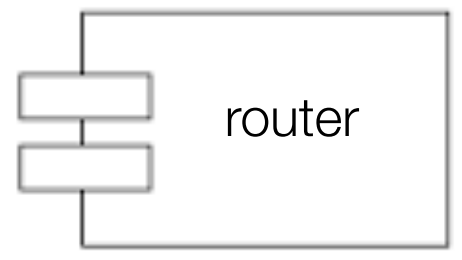
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title> Welcome to Playlist Maker </title>
<meta charset="UTF-8">
<script type="text/javascript" src="...jquery.min.js"></script>
<link rel="stylesheet" href="...semantic.min.css" type="text/css">
<script type="text/javascript" src="h...semantic.min.js"></script>
</head>
<body>
<section class="ui container">
<nav class="ui menu">
<header class="ui header item">
<a href="/"> Playlist 1 </a>
</header>
<div class="right menu">
<a id="dashboard" class="item" href="/dashboard">
Dashboard
</a>
<a id="about" class="item" href="/about">
About
</a>
</div>
</nav>
<section class="ui center aligned middle aligned segment">
<h1 class="ui header">
Welcome to Playlist 1
</h1>
<p>
A small app to let you compose playlists.
</p>
</section>
</section>
</body>
</html>

```



REQUEST

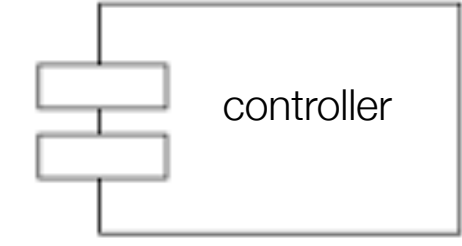
'/about'



```

routes.js
router.get('/', dashboard.index);
router.get('/dashboard', dashboard.index);
router.get('/playlist/:id', playlist.index);
router.get('/about', about.index);

```



about.js

```

const about = {
index(request, response) {
  logger.info('about rendering');
  const viewData = {
    title: 'About Playlist 1',
  };
  response.render('about', viewData);
},
};

```

about.index(req, res)

response.render('about', viewData);

```

viewData = {
  title: 'About Playlist 1',
};

```



about.hbs

```

<{{> menu id="about">>
<section class="ui segment">
  <p>
    About this app
  </p>
</section>

```

<{{> menu id="about">>

{{{body}}}

menu.hbs

```

<nav class="ui menu">
  <header class="ui header item"> <a href="/"> Template 1 </a></header>
  <div class="right menu">
    <a id="dashboard" class="item" href="/dashboard"> Dashboard </a>
    <a id="about" class="item" href="/about"> About </a>
  </div>
</nav>

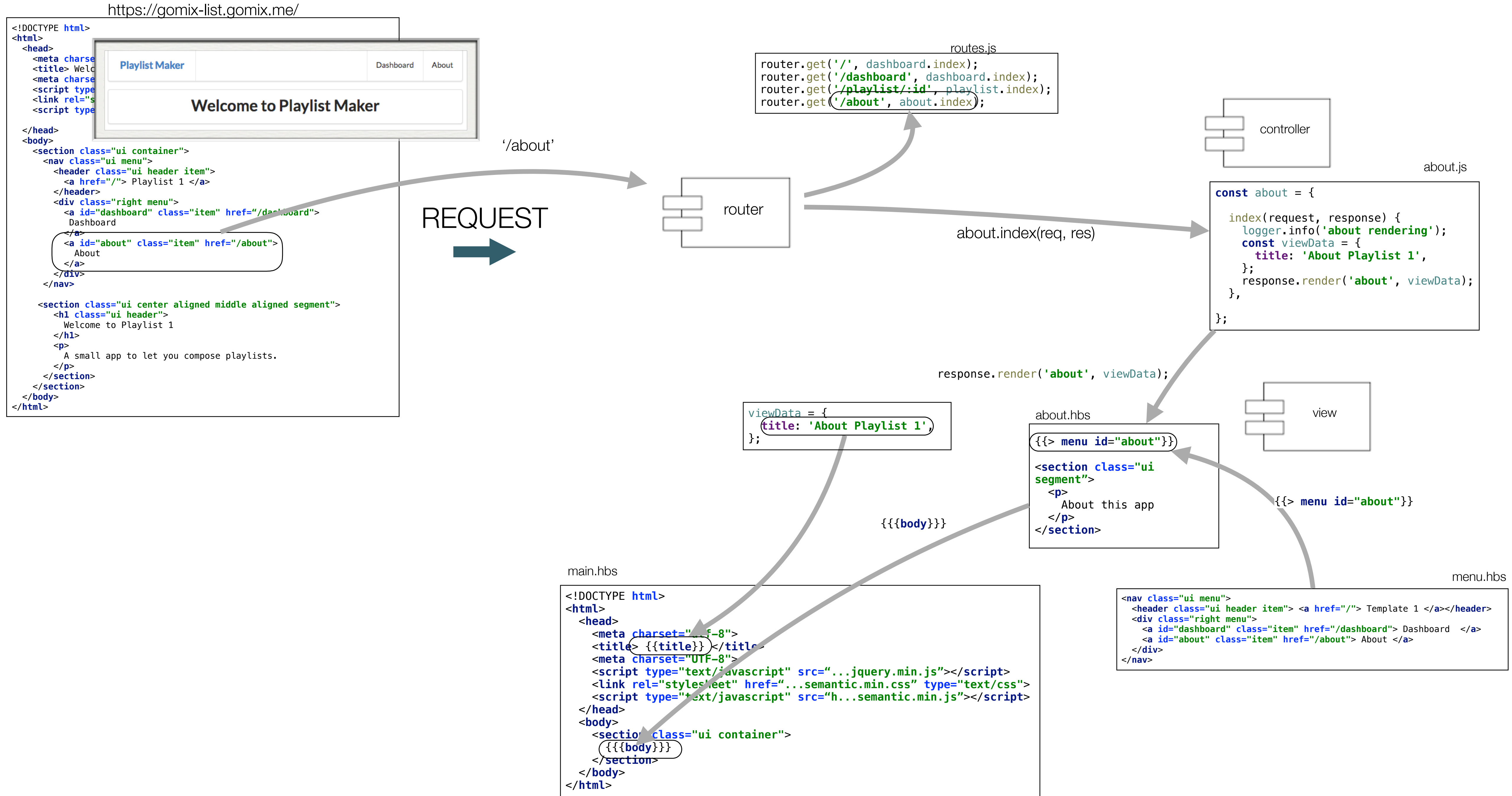
```

main.hbs

```

<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title> {{{title}}}</title>
  <meta charset="UTF-8">
  <script type="text/javascript" src="...jquery.min.js"></script>
  <link rel="stylesheet" href="...semantic.min.css" type="text/css">
  <script type="text/javascript" src="h...semantic.min.js"></script>
</head>
<body>
  <section class="ui container">
    {{{body}}}
  </section>
</body>
</html>

```

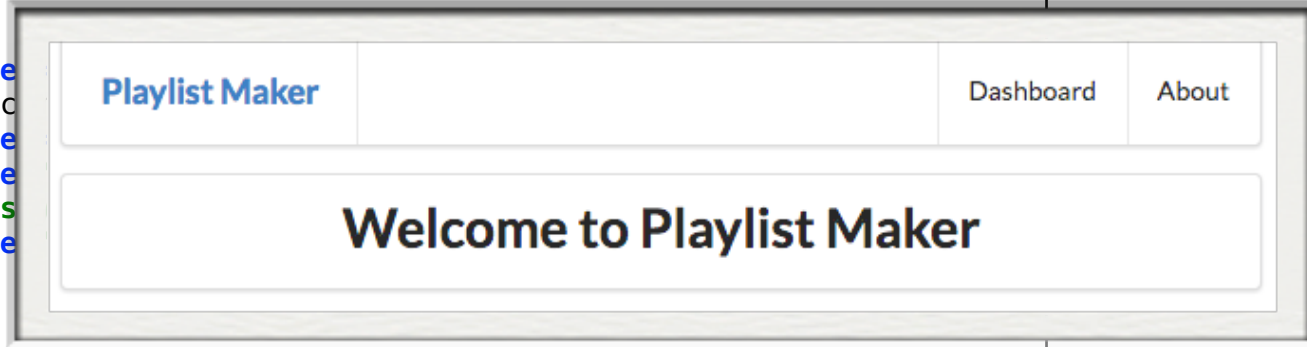


https://gomix-list.gomix.me/

```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title> Welcome to Playlist Maker </title>
<meta charset="UTF-8">
<script type="text/javascript" src="...jquery.min.js"></script>
<link rel="stylesheet" href="...semantic.min.css" type="text/css">
<script type="text/javascript" src="h...semantic.min.js"></script>
</head>
<body>
<section class="ui container">
<nav class="ui menu">
<header class="ui header item">
<a href="/"> Playlist 1 </a>
</header>
<div class="right menu">
<a id="dashboard" class="item" href="/dashboard">
Dashboard
</a>
<a id="about" class="item" href="/about">
About
</a>
</div>
</nav>
<section class="ui center aligned middle aligned segment">
<h1 class="ui header">
Welcome to Playlist 1
</h1>
<p>
A small app to let you compose playlists.
</p>
</section>
</section>
</body>
</html>

```



'/about'

REQUEST

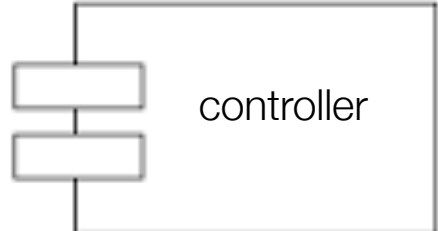


router

```

routes.js
router.get('/', dashboard.index);
router.get('/dashboard', dashboard.index);
router.get('/playlist/:id', playlist.index);
router.get('/about', about.index);

```



controller

about.js

```

const about = {
index(request, response) {
  logger.info('about rendering');
  const viewData = {
    title: 'About Playlist 1',
  };
  response.render('about', viewData);
},
};

```

about.index(req, res)

response.render('about', viewData);

```

viewData = {
  title: 'About Playlist 1',
};

```



view

about.hbs

```

<{{> menu id="about"}}>
<section class="ui segment">
  <p>
    About this app
  </p>
</section>

```

{{> menu id="about"}}

{{{body}}}

menu.hbs

```

<nav class="ui menu">
  <header class="ui header item"> <a href="/"> Template 1 </a></header>
  <div class="right menu">
    <a id="dashboard" class="item" href="/dashboard"> Dashboard </a>
    <a id="about" class="item" href="/about"> About </a>
  </div>
</nav>

```

main.hbs

```

<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title> {{{title}}}</title>
  <meta charset="UTF-8">
  <script type="text/javascript" src="...jquery.min.js"></script>
  <link rel="stylesheet" href="...semantic.min.css" type="text/css">
  <script type="text/javascript" src="h...semantic.min.js"></script>
</head>
<body>
  <section class="ui container">
    {{{body}}}
  </section>
</body>
</html>

```

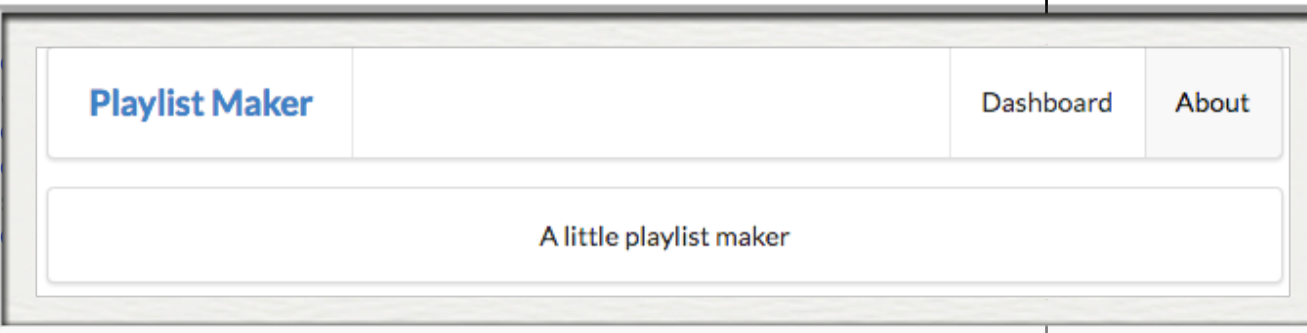
RESPONSE



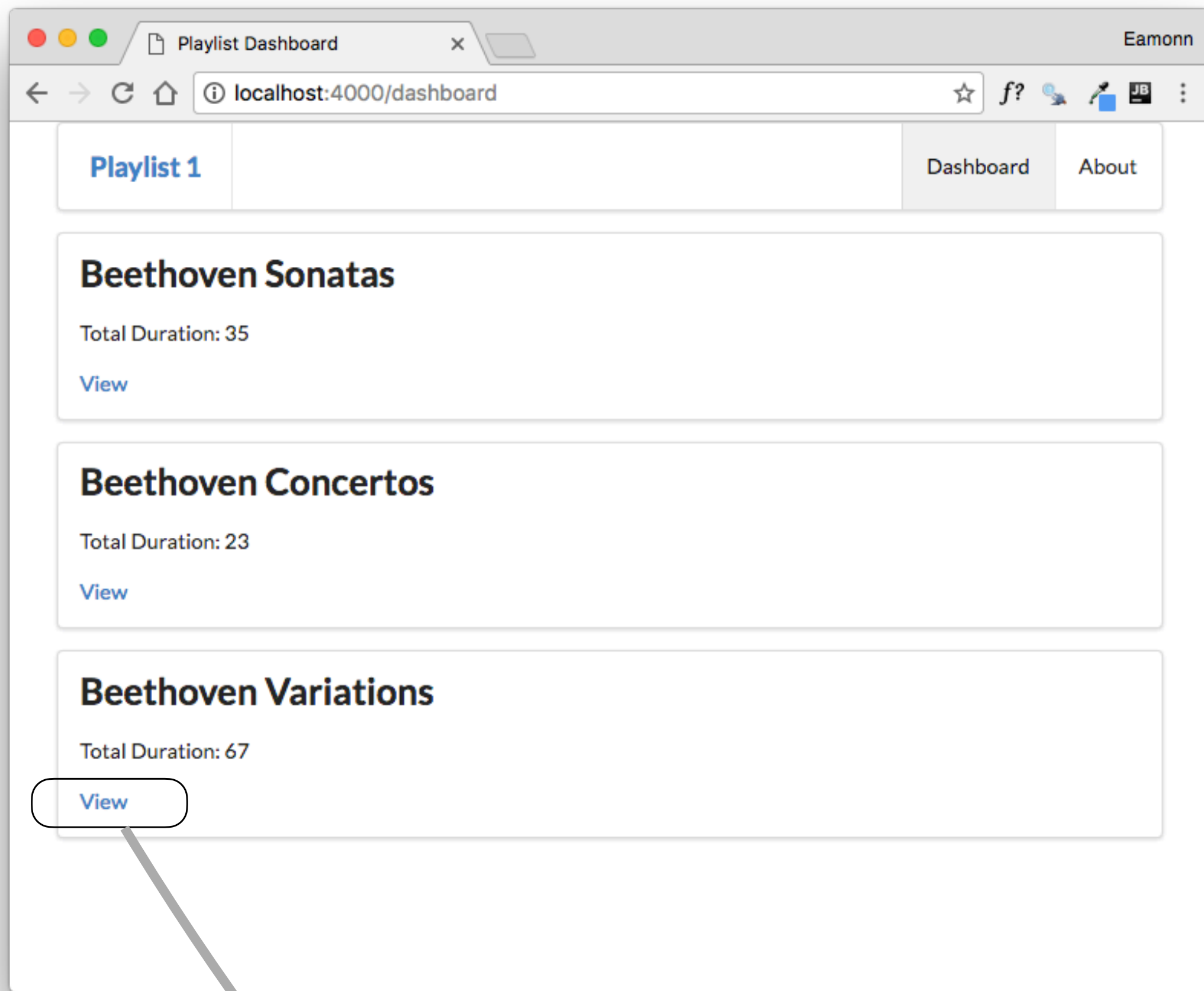
```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title> Welcome to Playlist Maker </title>
<meta charset="UTF-8">
<script type="text/javascript" src="...jquery.min.js"></script>
<link rel="stylesheet" href="...semantic.min.css" type="text/css">
<script type="text/javascript" src="h...semantic.min.js"></script>
</head>
<body>
<section class="ui container">
<nav class="ui menu">
<header class="ui header item">
<a href="/"> Playlist 1 </a>
</header>
<div class="right menu">
<a id="dashboard" class="item" href="/dashboard">
Dashboard
</a>
<a id="about" class="item" href="/about">
About
</a>
</div>
</nav>
<section class="ui center aligned middle aligned segment">
<p>
A Little Playlist Maker - Version 1
</p>
</section>
</section>
</body>
</html>

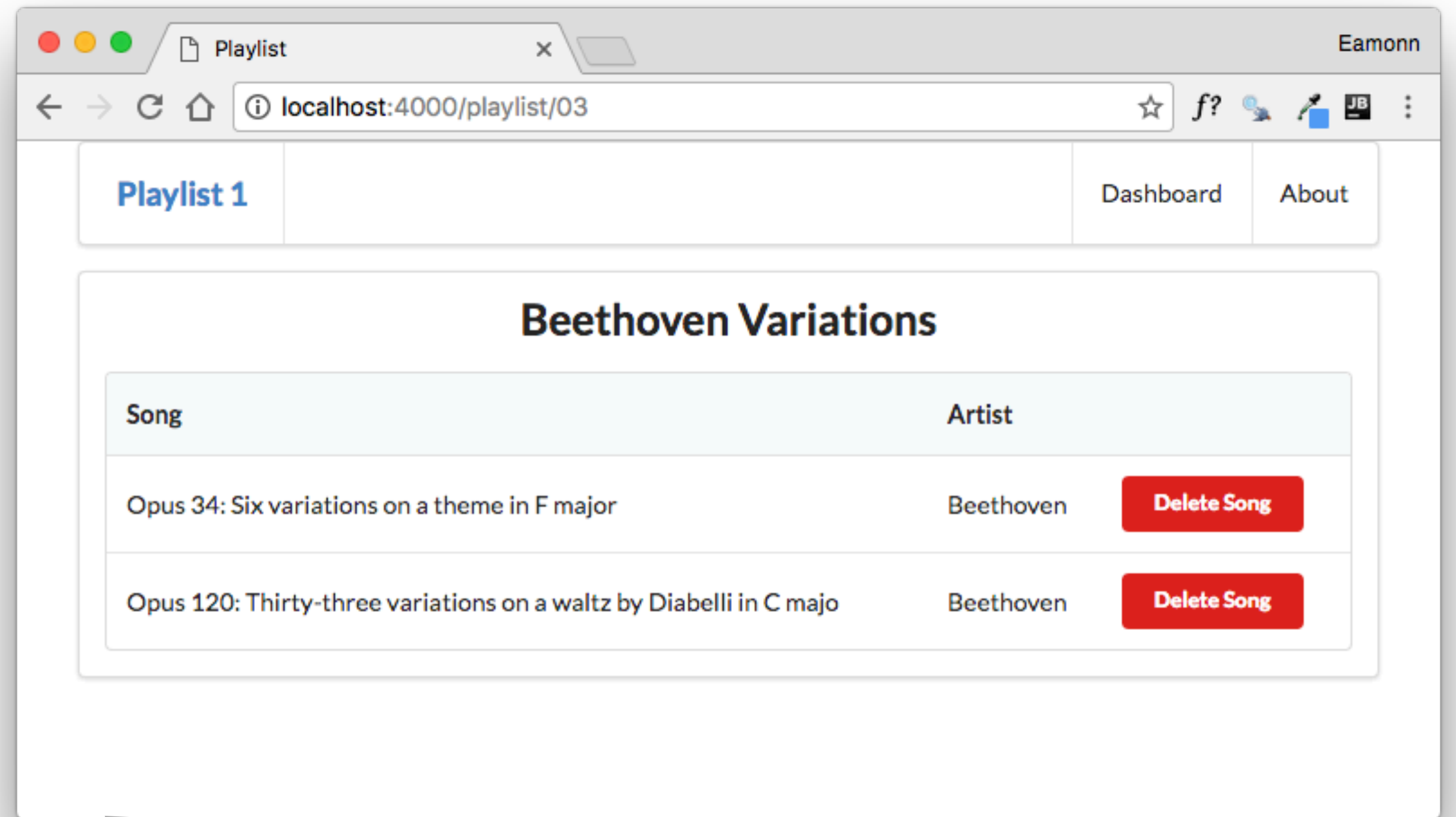
```

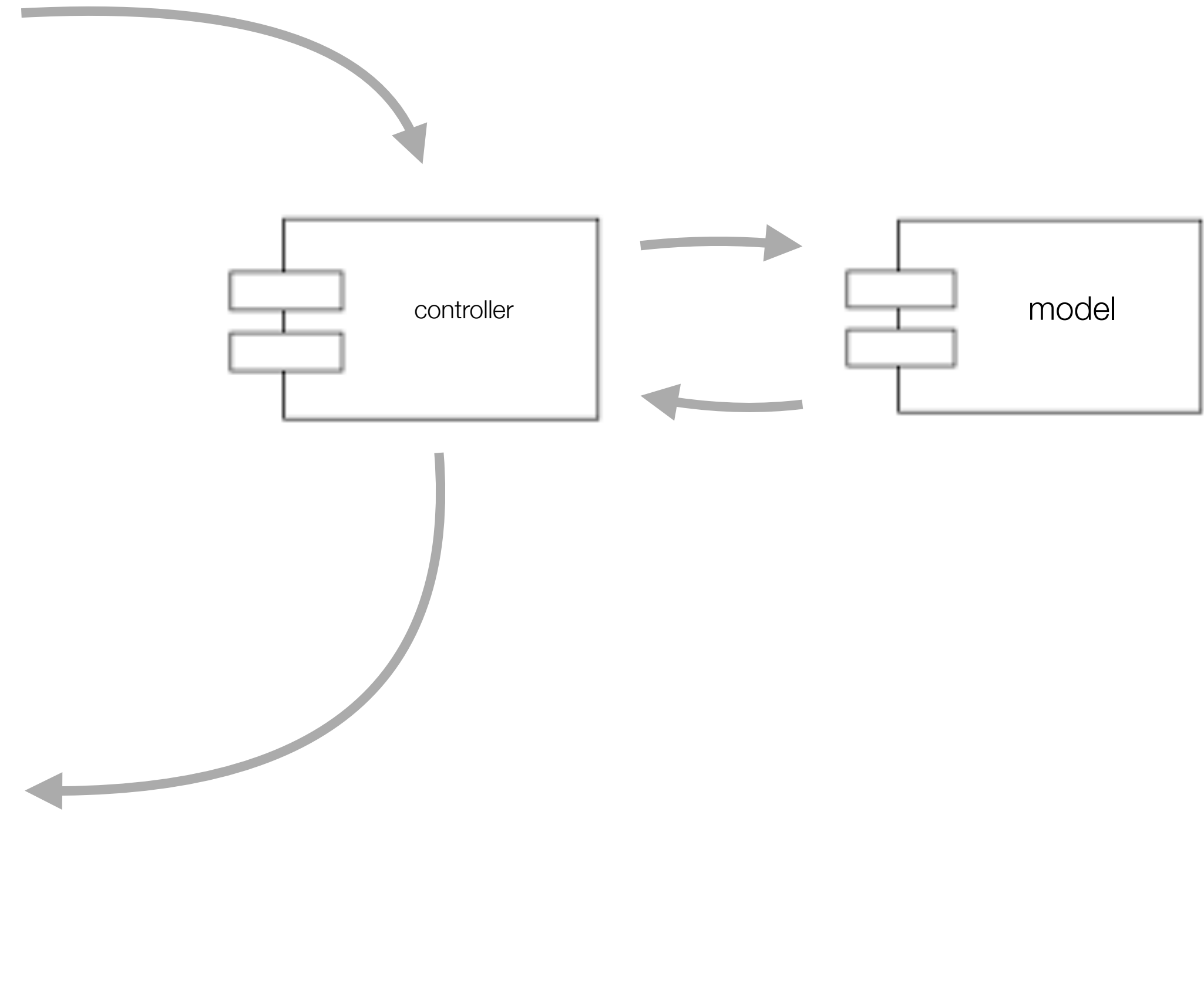
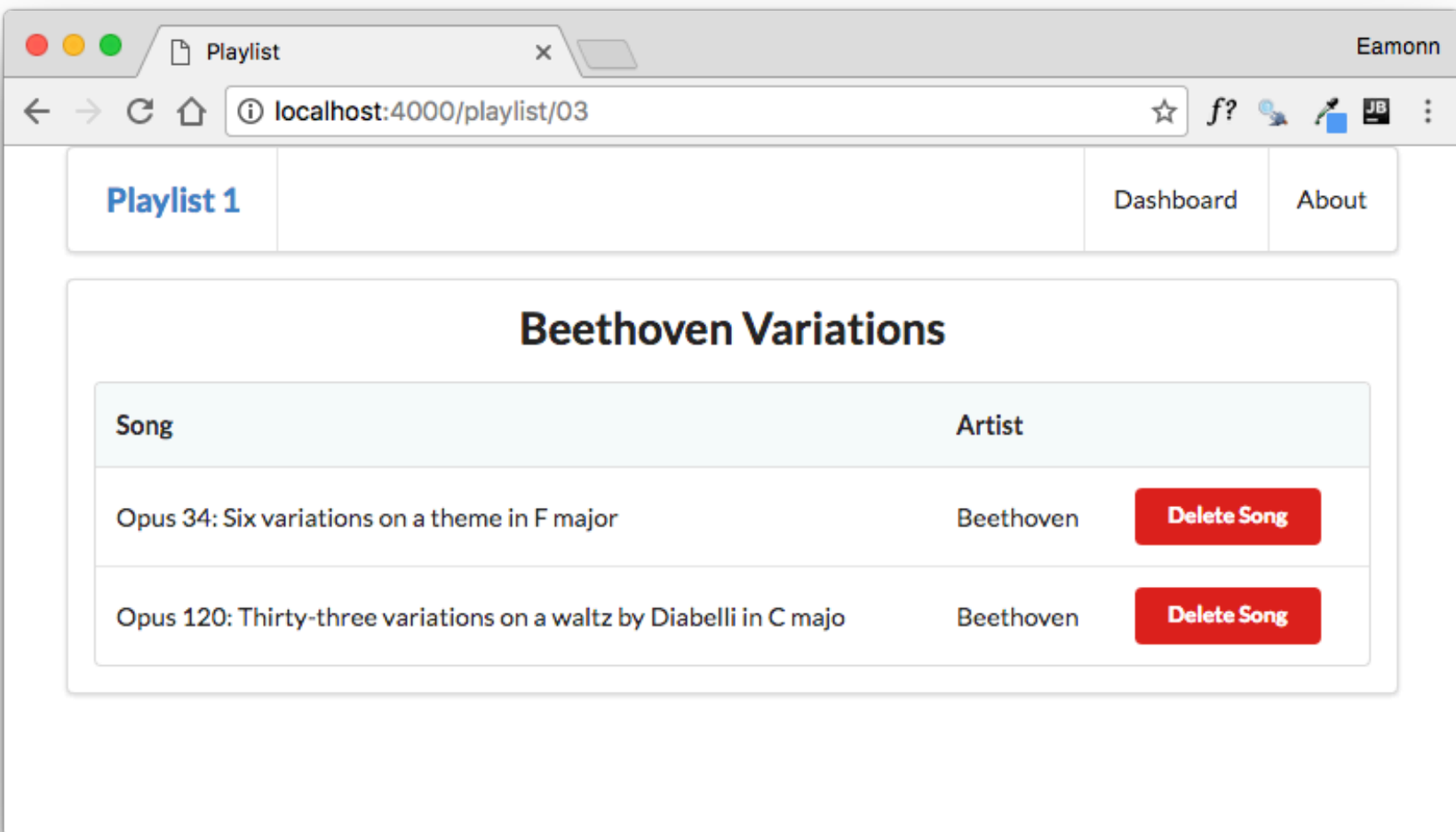
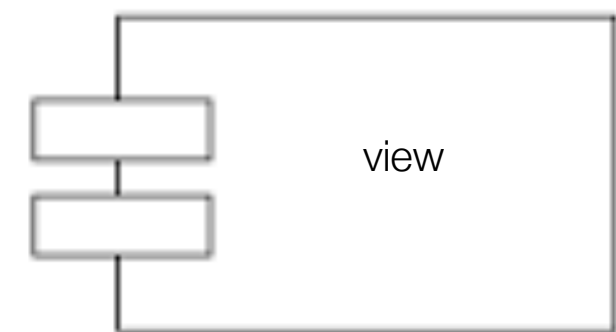
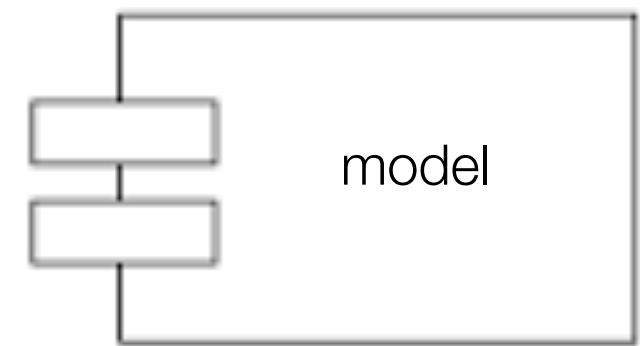
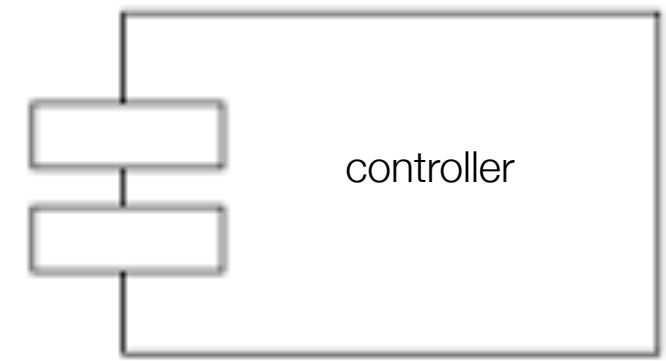
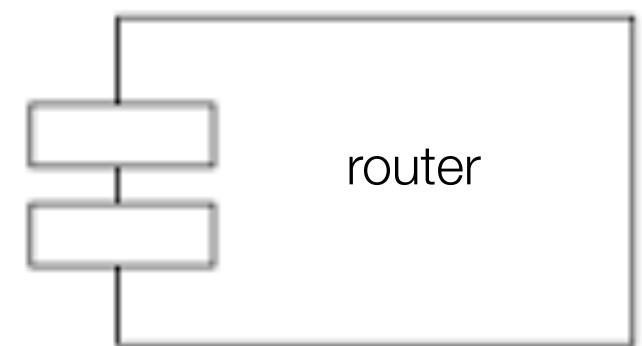
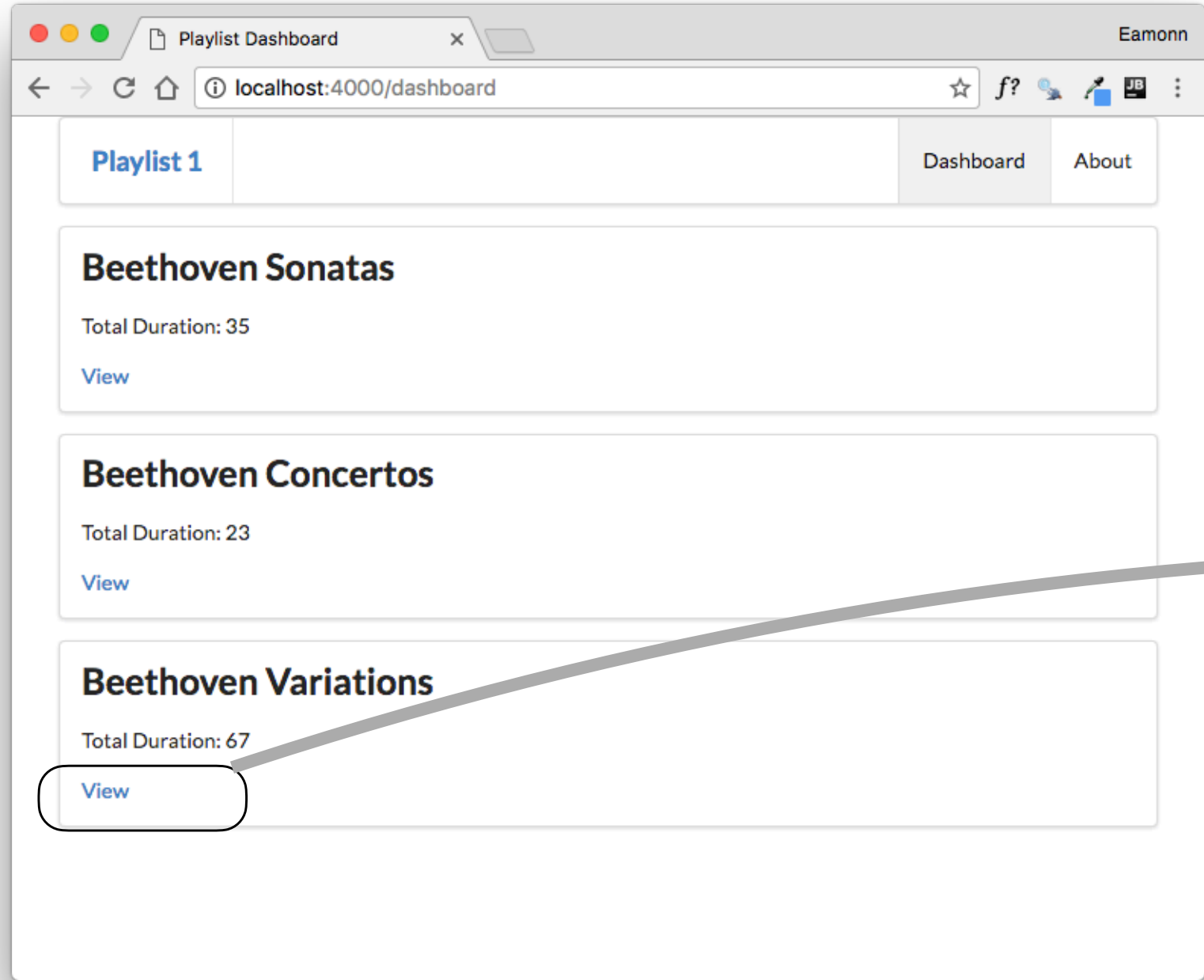


https://gomix-list.gomix.me/about

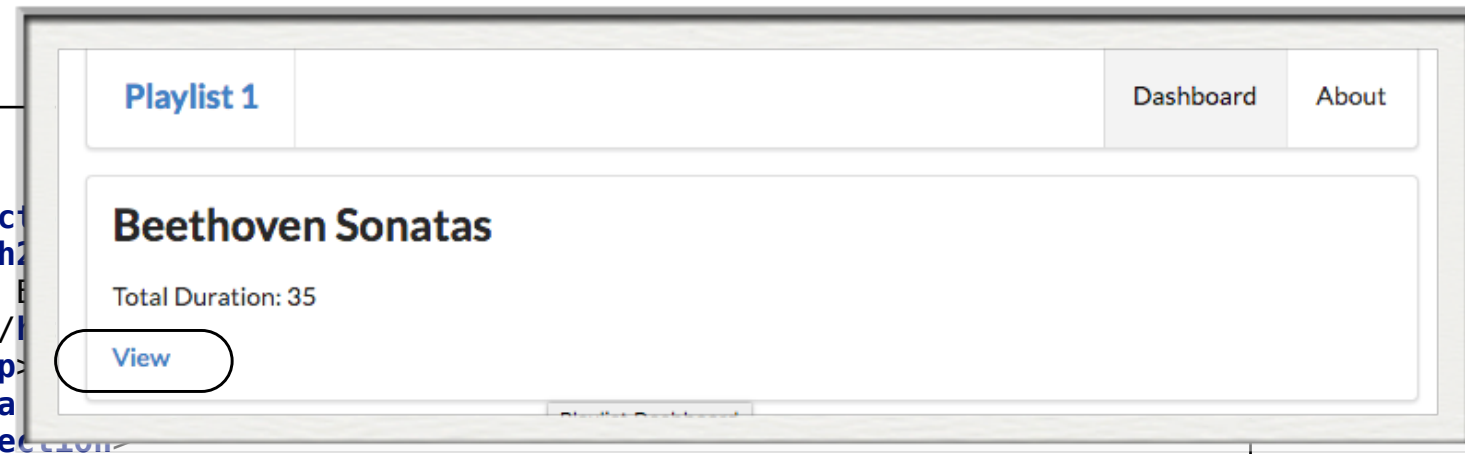


Router / Controller / Model / View





https://gomix-list.gomix.me/dashboard



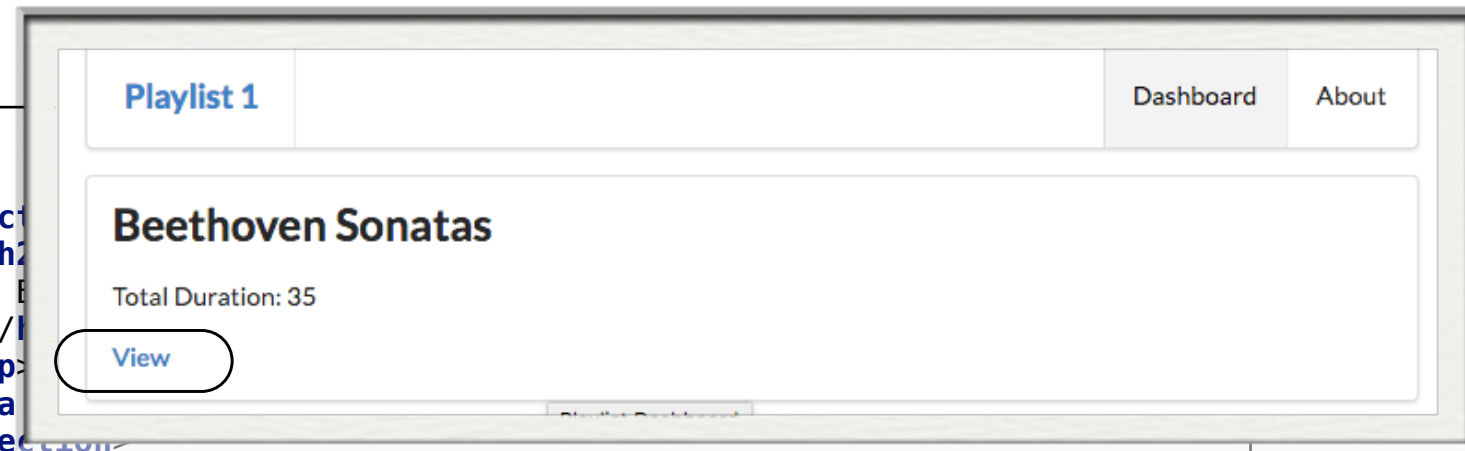
REQUEST

`"/playlist/03"`



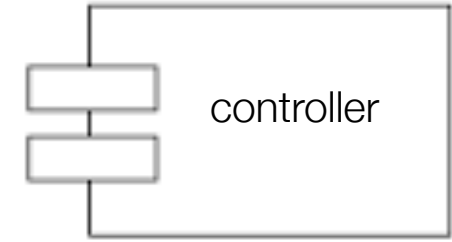
```
...  
<sec  
<h2  
E  
</l  
<p>  
<a  
</se  
</section  
<section class="ui segment">  
<h2 class="ui header">  
  Beethoven Concertos  
</h2>  
<p> Total Duration: 23 </p>  
<a href="/playlist/02"> View </a>  
</section>  
<section class="ui segment">  
<h2 class="ui header">  
  Beethoven Variations  
</h2>  
<p> Total Duration: 37 </p>  
<a href="/playlist/03"> View </a>  
</section>  
...
```

https://gomix-list.gomix.me/dashboard



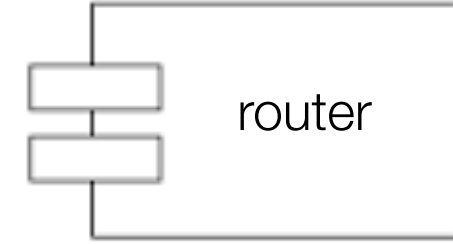
```
routes.js
router.get('/', dashboard.index);
router.get('/dashboard', dashboard.index);
router.get('/playlist/:id', playlist.index);
router.get('/about', about.index);
```

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



REQUEST

'/playlist/03'



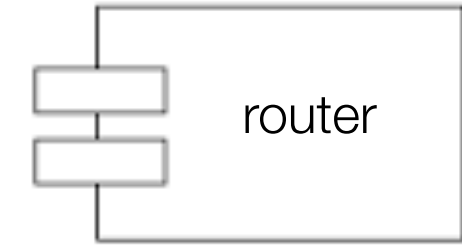
playlist.index(req, res)

```
...
<sec
<h2
</h2>
</section>
<section class="ui segment">
<h2 class="ui header">
  Beethoven Concertos
</h2>
<p> Total Duration: 23 </p>
<a href="/playlist/02"> View </a>
</section>
<section class="ui segment">
<h2 class="ui header">
  Beethoven Variations
</h2>
<p> Total Duration: 37 </p>
<a href="/playlist/03"> View </a>
</section>
...
```

The screenshot shows a web browser with a URL bar containing 'https://gomix-list.gomix.me/dashboard'. The page has a navigation bar with 'Playlist 1', 'Dashboard', and 'About'. The main content area displays 'Beethoven Sonatas' with a 'Total Duration: 35' and a 'View' button. Below this, there are sections for 'Beethoven Concertos' and 'Beethoven Variations', each with a 'View' link. The HTML code on the left shows the structure of these sections, with the 'View' link for the 'Beethoven Variations' section highlighted in green.

REQUEST

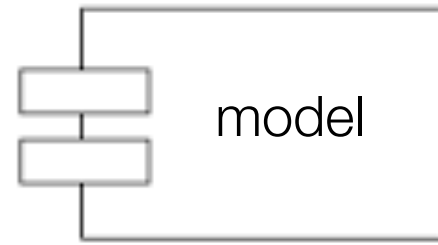
`"/playlist/03"`



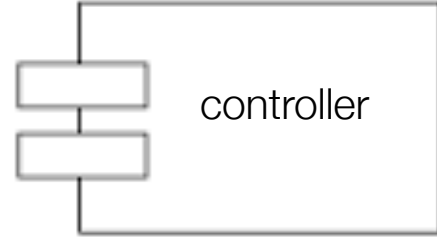
`playlist.index(req, res)`

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

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



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



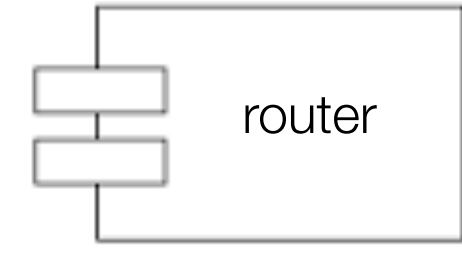
```
{
  "playlistCollection": [
    {
      "id": "01",
      ...
    },
    {
      "id": "02",
      ...
    },
    {
      "id": "03",
      "title": "Beethoven Variations",
      "duration": 67,
      "songs": [
        {
          "id": "10",
          "title": "Opus 34: Six vari",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 11
        },
        {
          "id": "11",
          "title": "Opus 120: Thirty-",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 45
        }
      ]
    }
  ]
}
```

https://gomix-list.gomix.me/dashboard

```
<section>
  <h2>Beethoven Sonatas</h2>
  <p>Total Duration: 35</p>
  <a href="#">View</a>
</section>
</section>
<section class="ui segment">
  <h2 class="ui header">
    Beethoven Concertos
  </h2>
  <p>Total Duration: 23 </p>
  <a href="/playlist/02">View </a>
</section>
<section class="ui segment">
  <h2 class="ui header">
    Beethoven Variations
  </h2>
  <p>Total Duration: 37 </p>
  <a href="/playlist/03">View </a>
</section>
</section>
```

REQUEST

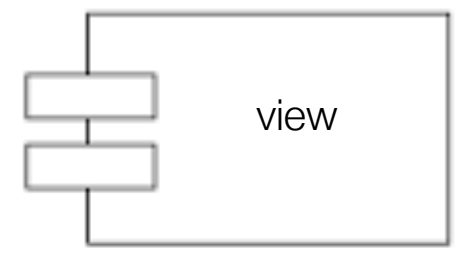
'/playlist/03'



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

playlist.index(req, res)

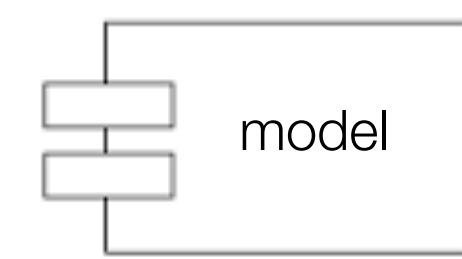
```
about.js
const playlist = {
  index(request, response) {
    const playlistId = request.params.id;
    const viewData = {
      title: 'Playlist',
      playlist: playlistStore.getPlaylist(playlistId),
    };
    response.render('playlist', viewData);
  },
};
```



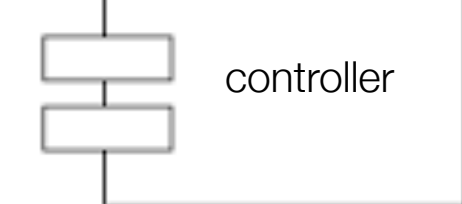
```
playlist.hbs
<{{> menu}}
<section class="ui segment">
  <h2 class="ui header">
    {{playlist.title}}
  </h2>
  <{{> listsongs}}
</section>
```

```
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>
          </td>
      </tr>
    </tbody>
  </table>
```

```
viewData = {
  title: 'Playlist',
  playlist: {
    id: "03",
    title: "Beethoven Variations",
    duration: 67,
    songs: [
      {
        id: "10",
        title: "Opus 34: Six variation...",
        artist: "Beethoven",
        genre: "Classical",
        duration: 11
      },
      {
        id: "11",
        title: "Opus 120: Thirty-three...",
        artist: "Beethoven",
        genre: "Classical",
        duration: 45
      }
    ]
  }
};
```



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



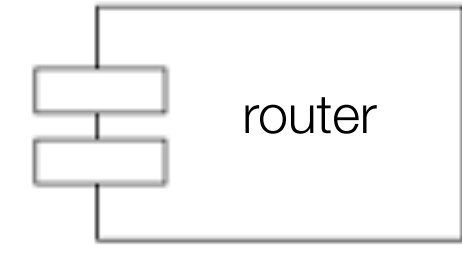
```
{
  "playlistCollection": [
    {
      "id": "01",
      ...
    },
    {
      "id": "02",
      ...
    },
    {
      "id": "03",
      "title": "Beethoven Variations",
      "duration": 67,
      "songs": [
        {
          "id": "10",
          "title": "Opus 34: Six vari...",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 11
        },
        {
          "id": "11",
          "title": "Opus 120: Thirty-...",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 45
        }
      ]
    }
  ]
}
```

https://gomix-list.gomix.me/dashboard

```
<section>
  ...
  <h2>Beethoven Sonatas</h2>
  Total Duration: 35
  <a href="#">View</a>
</section>
</section>
<section class="ui segment">
  <h2 class="ui header">
    Beethoven Concertos
  </h2>
  <p> Total Duration: 23 </p>
  <a href="/playlist/02"> View </a>
</section>
<section class="ui segment">
  <h2 class="ui header">
    Beethoven Variations
  </h2>
  <p> Total Duration: 37 </p>
  <a href="/playlist/03"> View </a>
</section>
  ...
```

REQUEST

`/playlist/03`



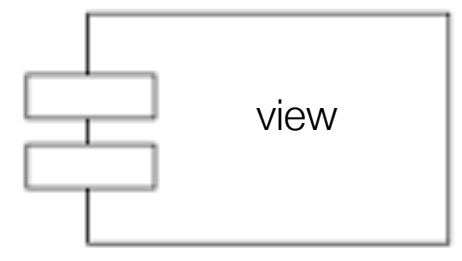
router

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

`playlist.index(req, res)`

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

`response.render('playlist', viewData);`

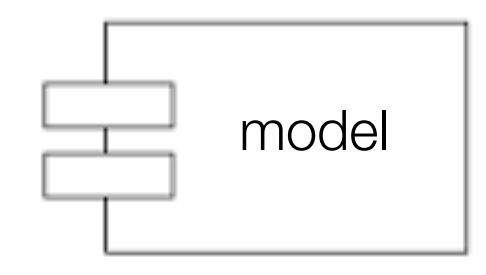


view

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

`{{body}}`

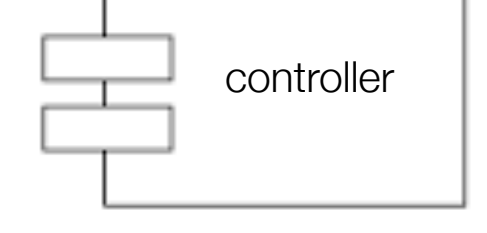
```
main.hbs
<!DOCTYPE html>
<html>
  <head>
    ...
  </head>
  <body>
    <section class="ui container">
      <{{body}}>
    </section>
  </body>
</html>
```



model

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

about.js



controller

```
{
  "playlistCollection": [
    {
      "id": "01",
      ...
    },
    {
      "id": "02",
      ...
    },
    {
      "id": "03",
      "title": "Beethoven Variations",
      "duration": 67,
      "songs": [
        {
          "id": "10",
          "title": "Opus 34: Six vari...",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 11
        },
        {
          "id": "11",
          "title": "Opus 120: Thirty-three...",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 45
        }
      ]
    }
  ]
}
```

```
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>
          {{}}
        </td>
      </tr>
    </tbody>
  </table>
```

```
viewData = {
  title: 'Playlist',
  playlist: {
    "id": "03",
    "title": "Beethoven Variations",
    "duration": 67,
    "songs": [
      {
        "id": "10",
        "title": "Opus 34: Six variation...",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 11
      },
      {
        "id": "11",
        "title": "Opus 120: Thirty-three...",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 45
      }
    ]
  }
};
```


Dashboard About

Playlist 1

Beethoven Sonatas

Total Duration: 35

View

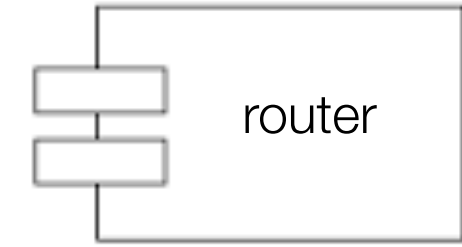
```

<section class="ui segment">
<h2 class="ui header">
  Beethoven Concertos
</h2>
<p> Total Duration: 23 </p>
<a href="/playlist/02"> View </a>
</section>
<section class="ui segment">
<h2 class="ui header">
  Beethoven Variations
</h2>
<p> Total Duration: 37 </p>
<a href="/playlist/03"> View </a>
</section>

```

REQUEST

"/playlist/03"



```

routes.js
router.get('/', dashboard.index);
router.get('/dashboard', dashboard.index);
router.get('/playlist/:id', playlist.index);
router.get('/about', about.index);

```

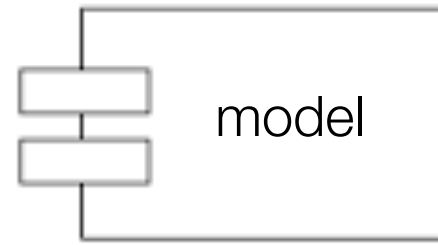
playlist.index(req, res)

```

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

```

response.render('playlist', viewData);



```

const playlistStore = {
  ...
  getPlaylist(id) {
    ...
  }
};

```



```

{
  "playlistCollection": [
    {
      "id": "01",
      ...
    },
    {
      "id": "02",
      ...
    },
    {
      "id": "03",
      "title": "Beethoven Variations",
      "duration": 67,
      "songs": [
        {
          "id": "10",
          "title": "Opus 34: Six vari...",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 11
        },
        {
          "id": "11",
          "title": "Opus 120: Thirty-...",
          "artist": "Beethoven",
          "genre": "Classical",
          "duration": 45
        }
      ]
    }
  ]
}

```



```

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

```

{{body}}

```

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>
    </tbody>
  </table>

```

```

viewData = {
  title: 'Playlist',
  playlist: {
    "id": "03",
    "title": "Beethoven Variations",
    "duration": 67,
    "songs": [
      {
        "id": "10",
        "title": "Opus 34: Six variation...",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 11
      },
      {
        "id": "11",
        "title": "Opus 120: Thirty-three...",
        "artist": "Beethoven",
        "genre": "Classical",
        "duration": 45
      }
    ]
  }
};

```

Beethoven Variations

| Song | Artist |
|---|-----------|
| Opus 34: Six variations on a theme in F major | Beethoven |
| Opus 120: Thirty-three variations on a waltz by Diabelli in C major | Beethoven |

```

<section class="ui center aligned">
<h2 class="ui header">
  Beethoven Variations
</h2>
<table class="ui table">
  <thead>
    <tr>
      <th>Song</th>
      <th>Artist</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>
        Opus 34: Six variations on a theme in F major
      </td>
      <td>
        Beethoven
      </td>
    </tr>
    <tr>
      <td>
        Opus 120: Thirty-three variations on a w... C major
      </td>
      <td>
        Beethoven
      </td>
    </tr>
  </tbody>
</table>
</section>

```

RESPONSE

```

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

```