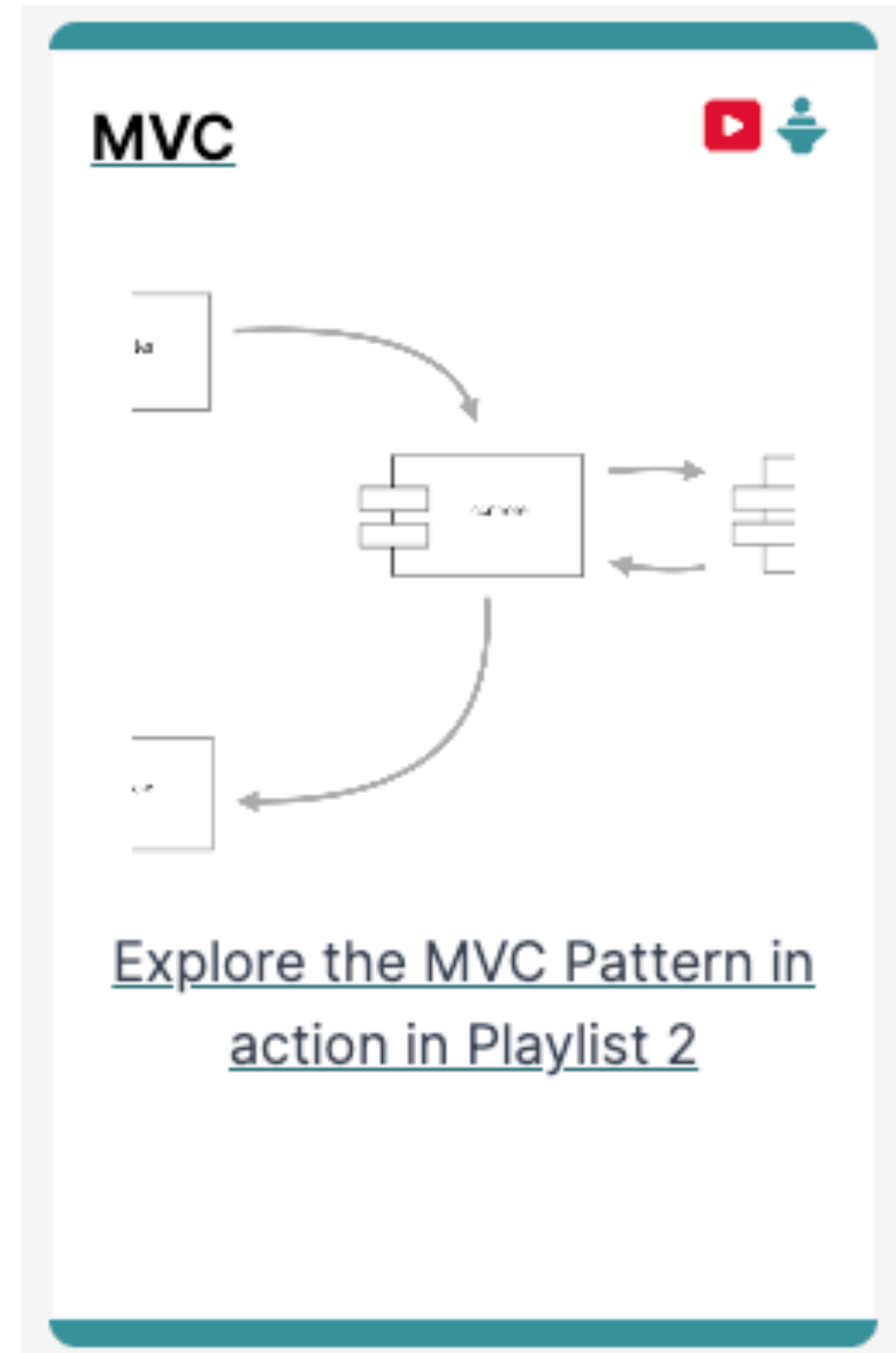
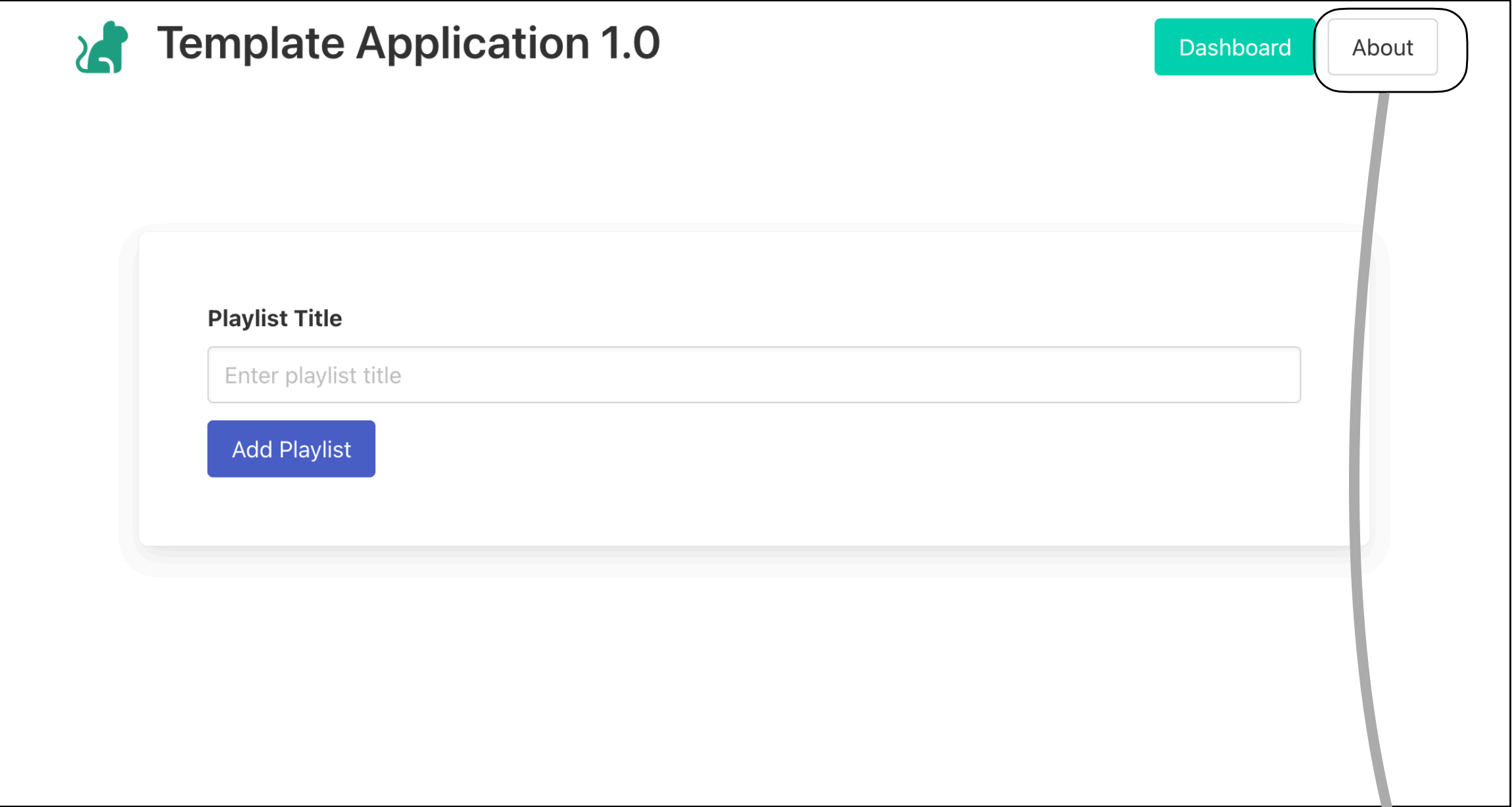
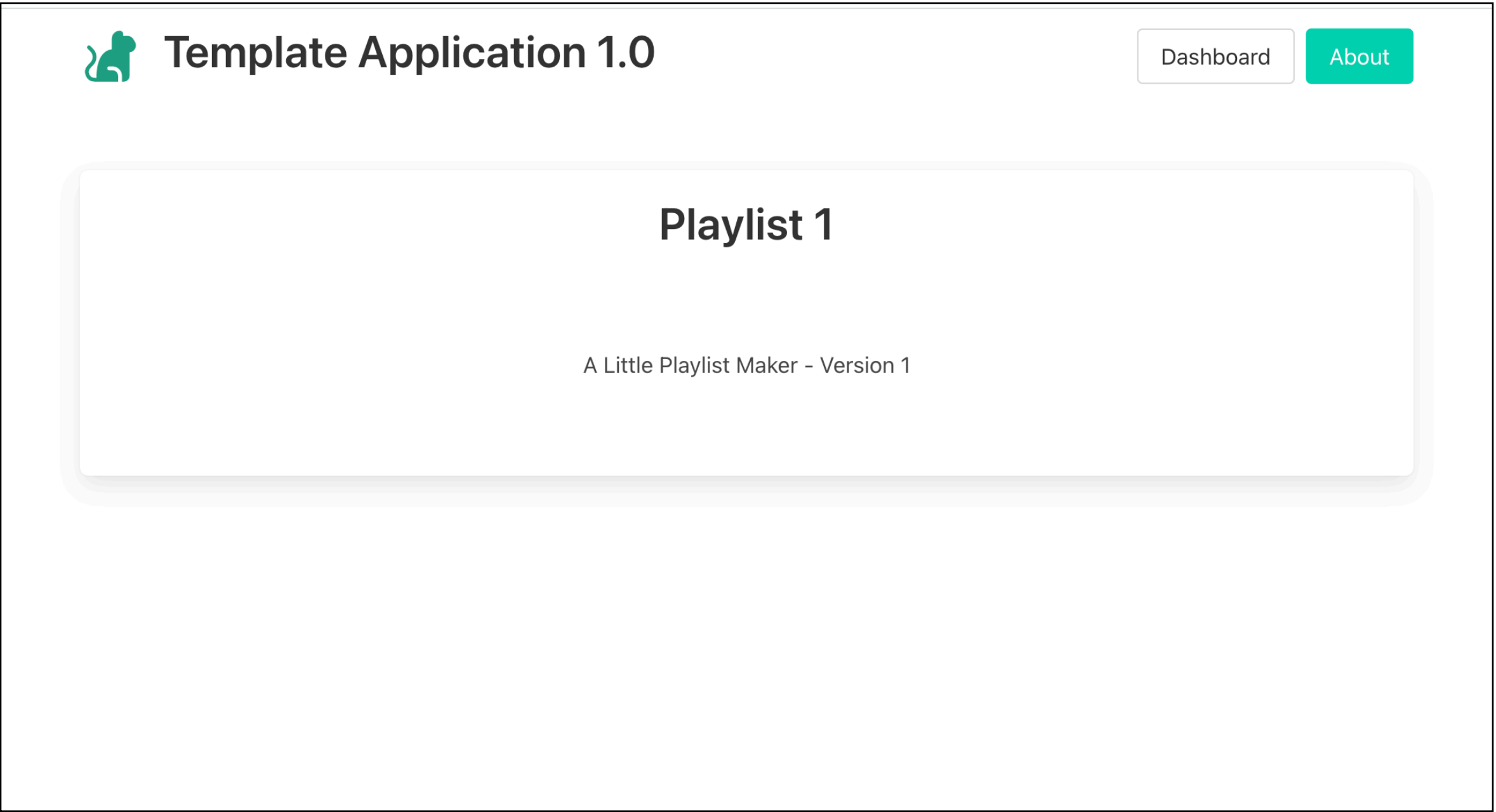


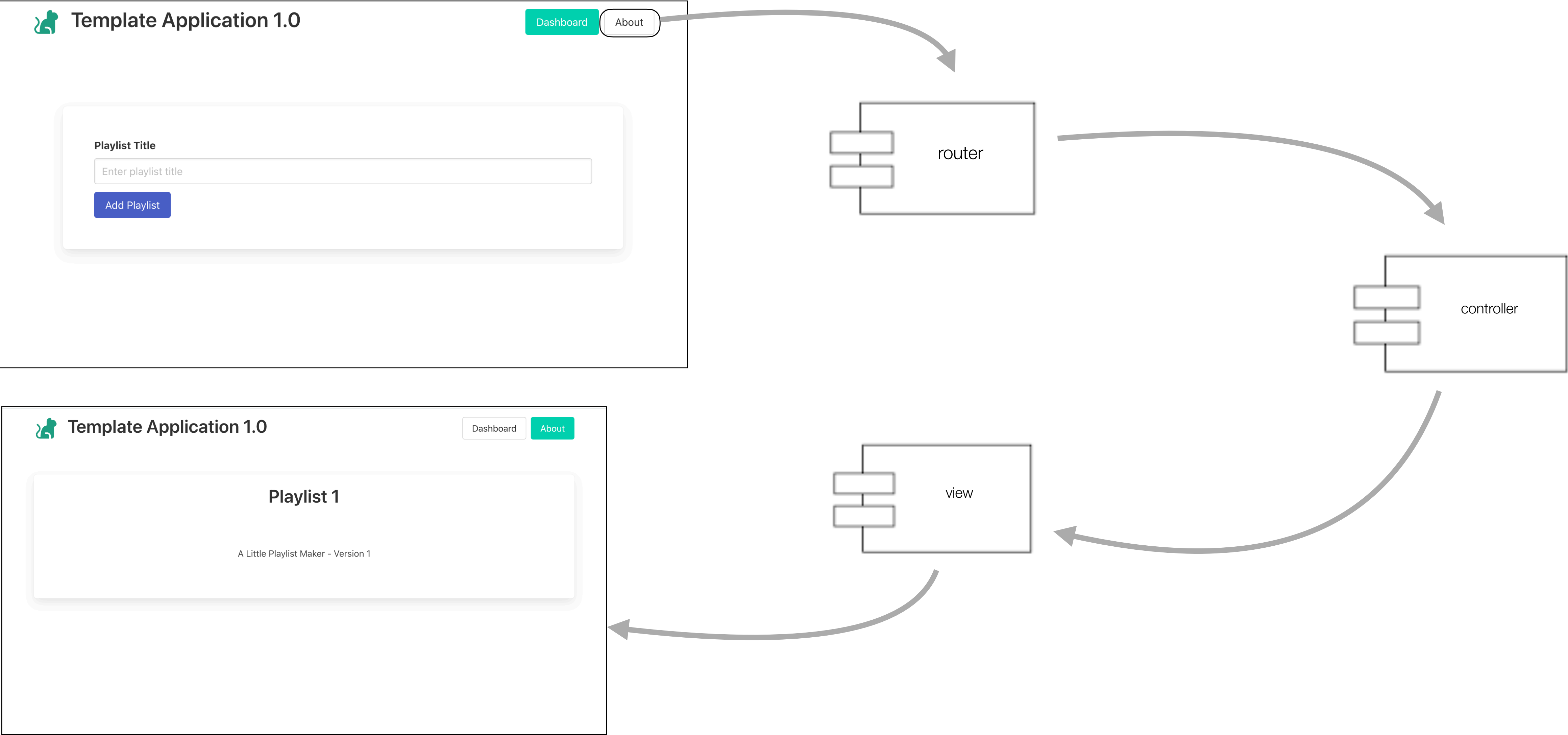
MVC





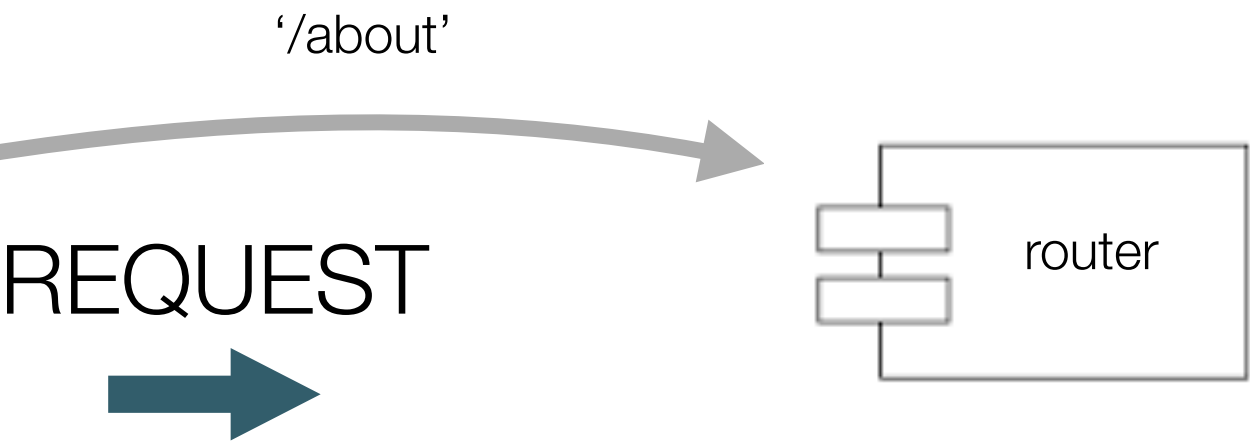
Router / Controller / View





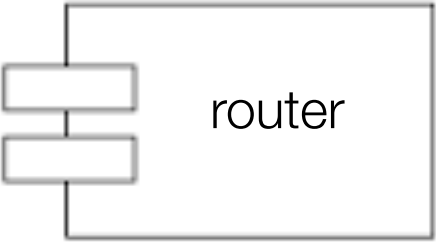
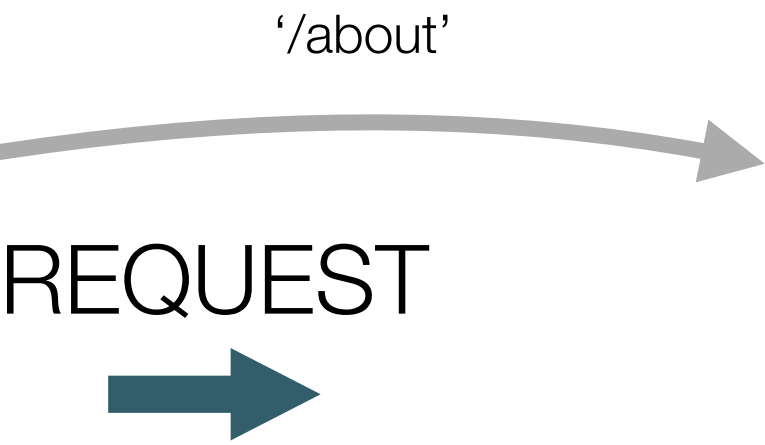
```
<!DOCTYPE html>
<html>
  <head>
    <title>Template Application 1.0</title>
  </head>
  <body>
    <section class="ui container">
      <nav class="ui menu">
        <header class="ui header item">
          <a href="/"> Playlist 1 </a>
        </header>
        <div class="right menu">
          <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>
```



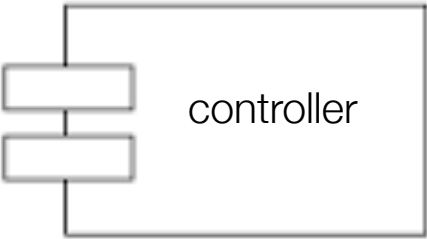
```
<!DOCTYPE html>
<html>
  <head>
    <title>Playlist 1</title>
  </head>
  <body>
    <section class="ui container">
      <nav class="ui menu">
        <header class="ui header item">
          <a href="/"> Playlist 1 </a>
        </header>
        <div class="right menu">
          <a id="dashboard" 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>
```



routes.js

```
router.get("/about", aboutController.index);
```



about.js

```
export const aboutController = {
  index(request, response) {
    const viewData = {
      title: "About Playlist",
    };
    console.log("about rendering");
    response.render("about-view", viewData);
  },
};
```

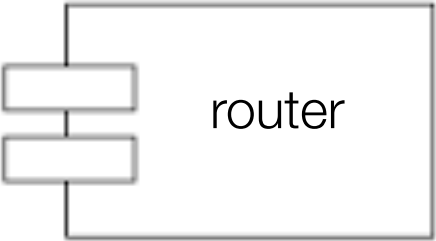
about.index(request, response)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Playlist 1</title>
  </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>
    </body>
  </html>
```

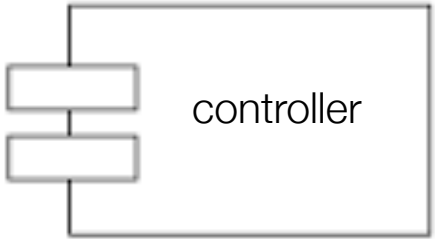


REQUEST
→



```
routes.js

router.get("/about", aboutController.index);
```



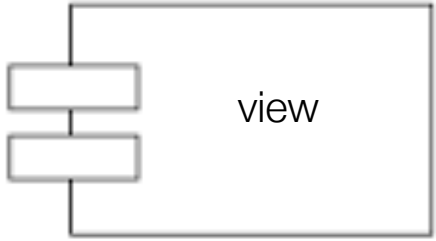
about.js

```
export const aboutController = {
  index(request, response) {
    const viewData = {
      title: "About Playlist",
    };
    console.log("about rendering");
    response.render("about-view", viewData);
  },
};
```

about.index(request, response)

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

response.render('about', viewData);



```
about-view.hbs

{{> menu active="about"}}

<section class="box 1-3 has-text-centered">
  <h3 class="title">
    Playlist 1
  </h3>
  <div class="section">
    <p>
      A Little Playlist Maker - Version 1
    </p>
  </div>
</section>
```

menu.hbs

```
<nav class="navbar mb-6">
  <div class="navbar-brand">
    {{> brand}}
  </div>
  <div class="navbar-menu" id="navMenu">
    <div class="navbar-end">
      <div class="navbar-item">
        <div class="buttons">
          <a id="dashboard" class="button" href="/dashboard"> Dashboard </a>
          <a id="about" class="button" href="/about"> About </a>
        </div>
      </div>
    </div>
  </div>
</nav>

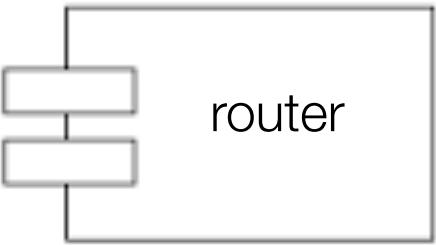
<script>
  document.getElementById("{{active}}").classList.add("is-primary");
</script>
```

```
<!DOCTYPE html>
<html>
  <head>
    <title>Playlist 1</title>
  </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>
    </body>
  </html>
```

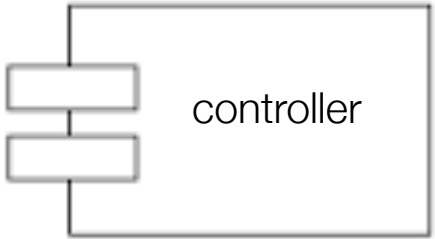


REQUEST
→



```
routes.js

router.get("/about", aboutController.index);
```

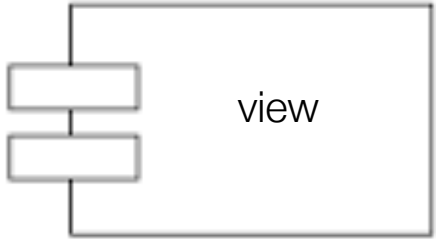


about.js

```
export const aboutController = {
  index(request, response) {
    const viewData = {
      title: "About Playlist",
    };
    console.log("about rendering");
    response.render("about-view", viewData);
  },
};
```

response.render('about', viewData);

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



about-view.hbs

```
{{> menu active="about"}}

<section class="box 1-3 has-text-centered">
  <h3 class="title">
    Playlist 1
  </h3>
  <div class="section">
    <p>
      A Little Playlist Maker - Version 1
    </p>
  </div>
</section>
```

menu.hbs

```
<nav class="navbar mb-6">
  <div class="navbar-brand">
    {{> brand}}
  </div>
  <div class="navbar-menu" id="navMenu">
    <div class="navbar-end">
      <div class="navbar-item">
        <div class="buttons">
          <a id="dashboard" class="button" href="/dashboard"> Dashboard </a>
          <a id="about" class="button" href="/about"> About </a>
        </div>
      </div>
    </div>
  </div>
</nav>

<script>
  document.getElementById("{{active}}").classList.add("is-primary");
</script>
```

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>
```



```
<!DOCTYPE html>
<html>
  <head>
    <title> Template Application 1.0 </title>
    <meta charset="utf-8">
    <script type="text/javascript" src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css">
    <script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>
    <script type="text/javascript" src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.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>
    </body>
  </html>
```

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title> Welcome to Playlist 1 </title>
    <meta charset="utf-8">
    <script type="text/javascript" src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css">
    <script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>
    <script type="text/javascript" src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.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>
    </body>
  </html>
```

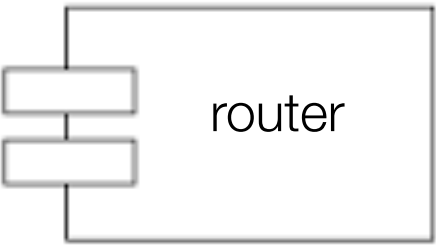
Dashboard

About

REQUEST



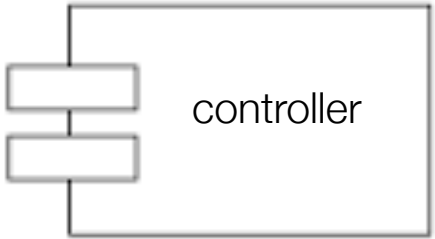
‘/about’



router

routes.js

```
router.get("/about", aboutController.index);
```



controller

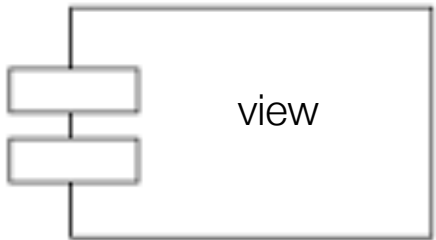
about.js

```
export const aboutController = {
  index(request, response) {
    const viewData = {
      title: "About Playlist",
    };
    console.log("about rendering");
    response.render("about-view", viewData);
  },
};
```

about.index(request, response)

response.render('about', viewData);

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



view

about-view.hbs

```
{{> menu active="about"}}

<section class="box-1-3 has-text-centered">
  <h3 class="title">
    Playlist 1
  </h3>
  <div class="section">
    <p>
      A Little Playlist Maker - Version 1
    </p>
  </div>
</section>
```

menu.hbs

```
<nav class="navbar mb-6">
  <div class="navbar-brand">
    {{> brand}}
  </div>
  <div class="navbar-menu" id="navMenu">
    <div class="navbar-end">
      <div class="navbar-item">
        <div class="buttons">
          <a id="dashboard" class="button" href="/dashboard"> Dashboard </a>
          <a id="about" class="button" href="/about"> About </a>
        </div>
      </div>
    </div>
  </div>
</nav>


<script>
  document.getElementById("{{active}}").classList.add("is-primary");
</script>
```

main.hbs

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title> {{title}} </title>
    <meta charset="UTF-8">
    <script type="text/javascript" src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css">
    <script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>
    <script type="text/javascript" src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
  </head>
  <body>
    <section class="ui container">
      {{{body}}}
    </section>
  </body>
</html>
```

RESPONSE



 **Template Application 1.0**


Dashboard


About

Playlist Title


Add Playlist

My Only Playlist





Router / Controller / Model / View

 **Template Application 1.0**



Dashboard


About

My Only Playlist

Enter Track Details:

Add Track

Track	Artist	Duration	
track 1	ME	12	
track 2	ME	33	

 **Template Application 1.0**


Dashboard


About


Playlist Title

Add Playlist

My Only Playlist





 **Template Application 1.0**



Dashboard

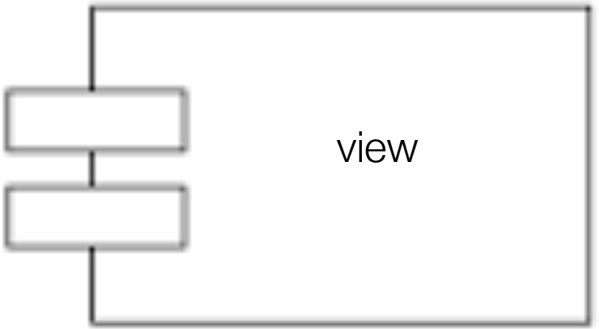
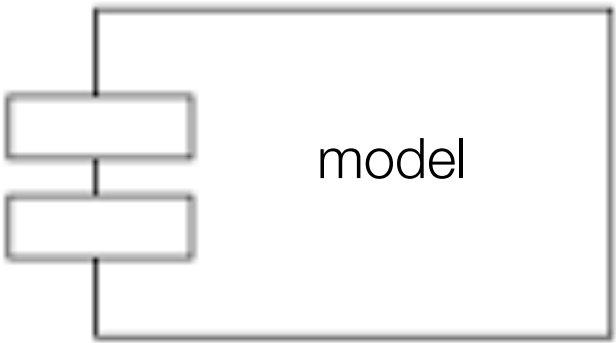
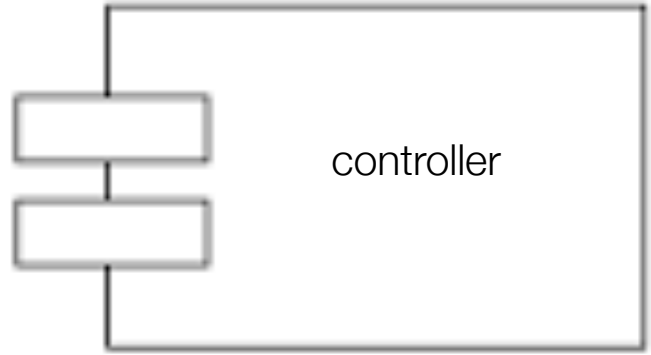
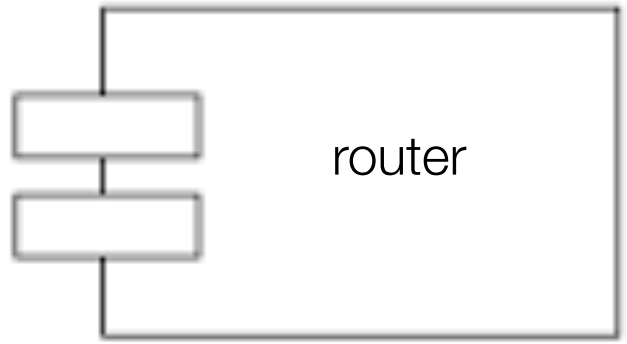
About

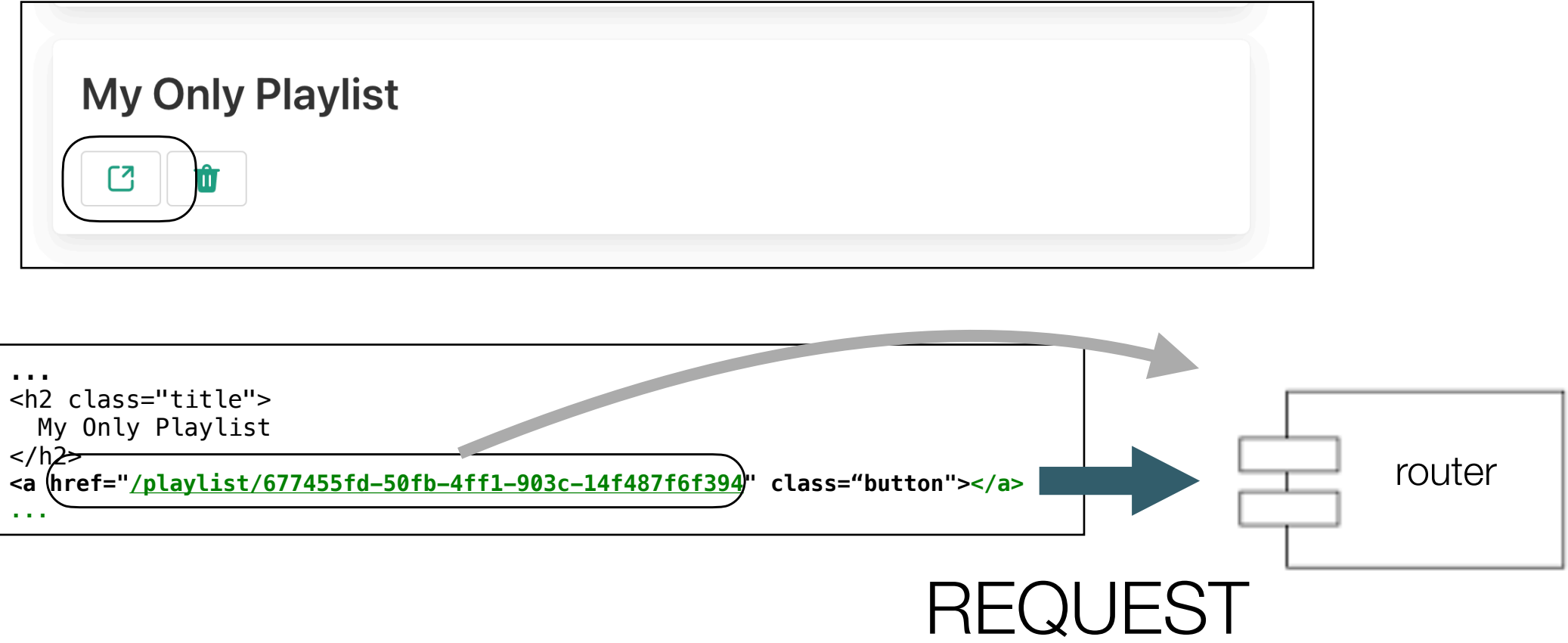
My Only Playlist

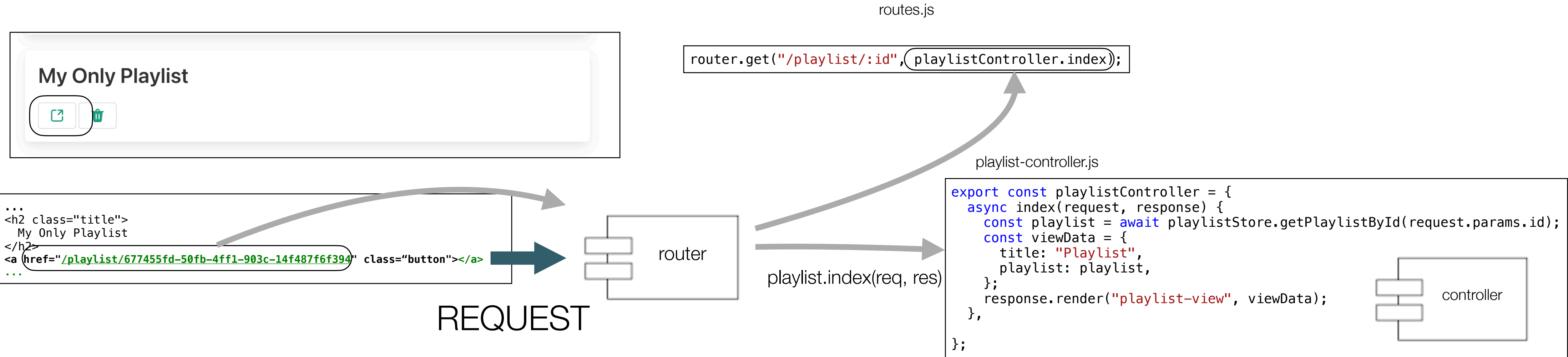
Enter Track Details:

Add Track

Track	Artist	Duration	
track 1	ME	12	
track 2	ME	33	



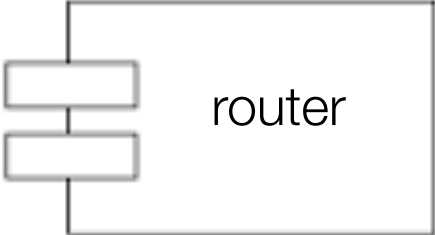






```
...  
<h2 class="title">  
  My Only Playlist  
</h2>  
<a href="/playlist/677455fd-50fb-4ff1-903c-14f487f6f394" class="button"></a>  
...
```

REQUEST

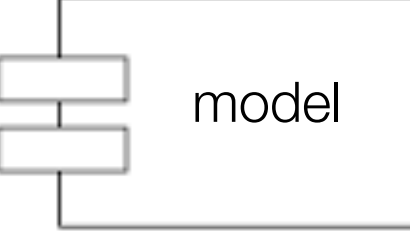
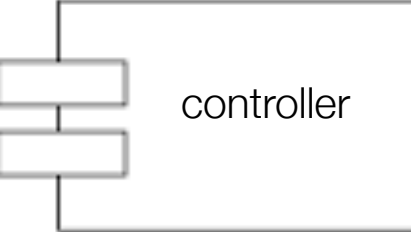


playlist.index(req, res)

```
router.get("/playlist/:id", playlistController.index);
```

playlist-controller.js

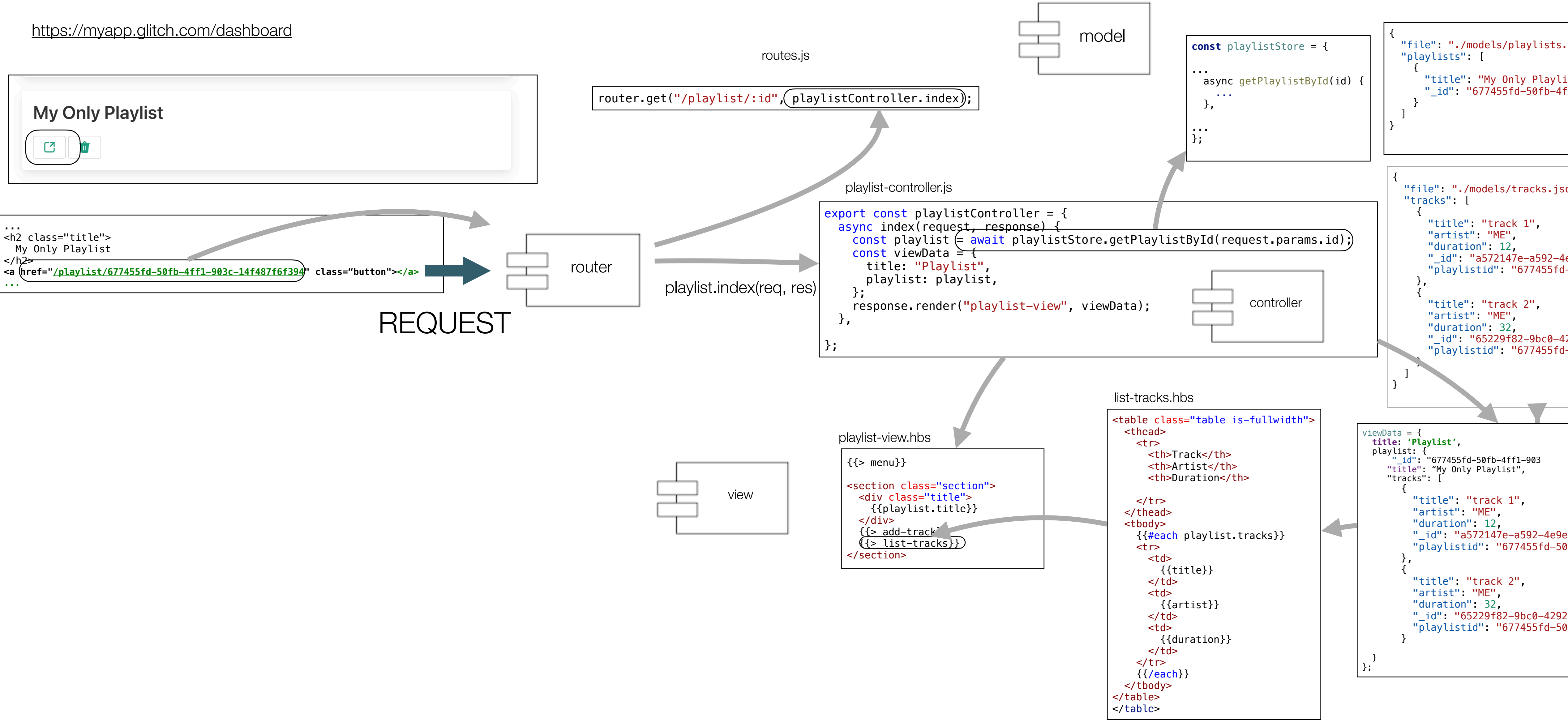
```
export const playlistController = {  
  async index(request, response) {  
    const playlist = await playlistStore.getPlaylistById(request.params.id);  
    const viewData = {  
      title: "Playlist",  
      playlist: playlist,  
    };  
    response.render("playlist-view", viewData);  
  },  
};
```

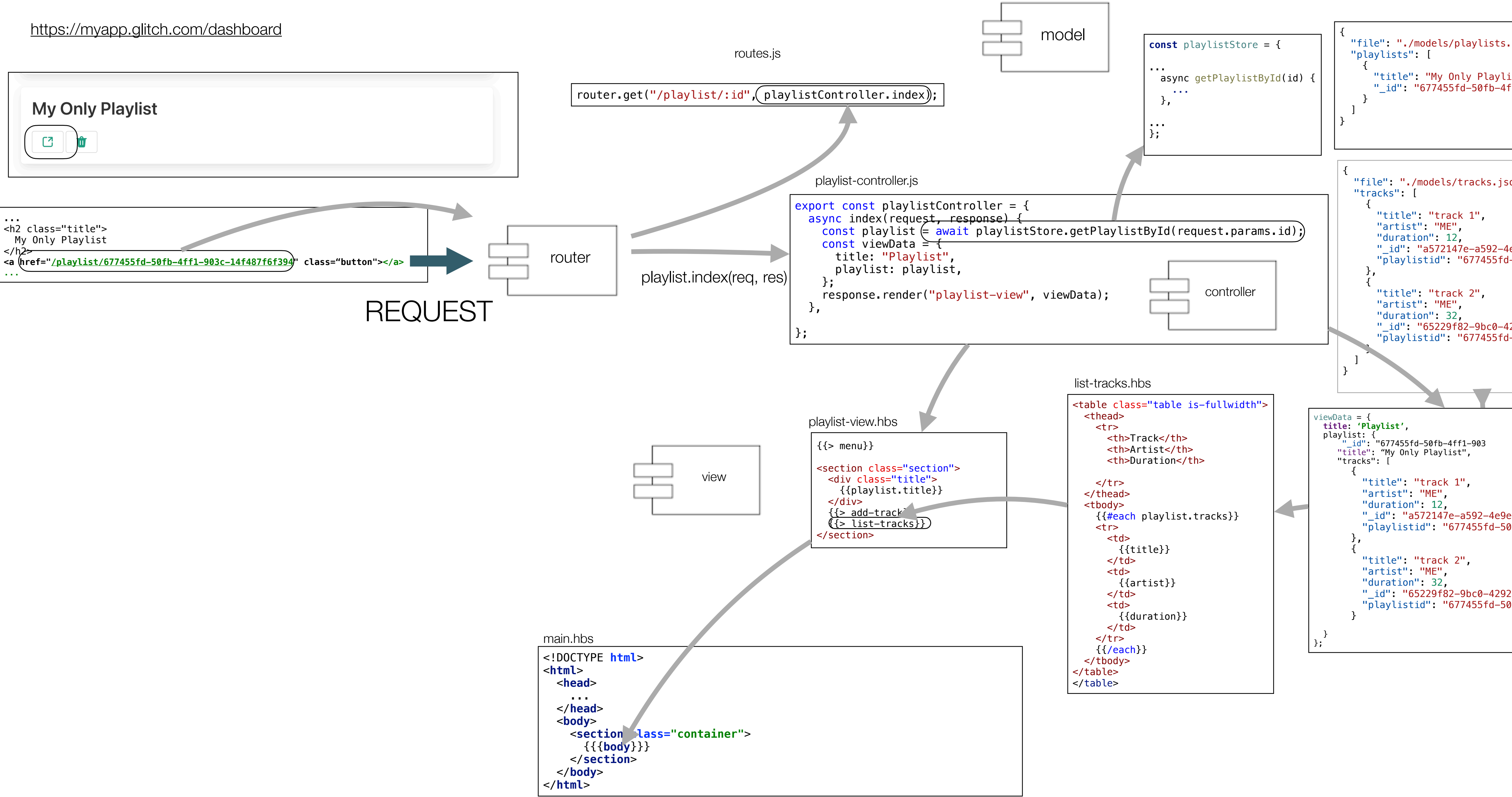


```
const playlistStore = {  
  ...  
  async getPlaylistById(id) {  
    ...  
  },  
  ...  
};
```

```
{  
  "file": "./models/playlists.js",  
  "playlists": [  
    {  
      "title": "My Only Playlist",  
      "_id": "677455fd-50fb-4ff1-903c-14f487f6f394"  
    },  
  ]  
}
```

```
{  
  "file": "./models/tracks.js",  
  "tracks": [  
    {  
      "title": "track 1",  
      "artist": "ME",  
      "duration": 12,  
      "_id": "a572147e-a592-4d42-b868-000000000000",  
      "playlistid": "677455fd-50fb-4ff1-903c-14f487f6f394"  
    },  
    {  
      "title": "track 2",  
      "artist": "ME",  
      "duration": 32,  
      "_id": "65229f82-9bc0-4d42-b868-000000000000",  
      "playlistid": "677455fd-50fb-4ff1-903c-14f487f6f394"  
    },  
  ]  
}
```





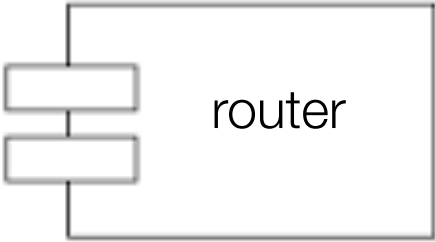
https://myapp.glitch.com/dashboard

My Only Playlist



```
...  
<h2 class="title">  
  My Only Playlist  
</h2>  
<a href="/playlist/677455fd-50fb-4ff1-903c-14f487f6f394" class="button"></a>  
...
```

REQUEST



router

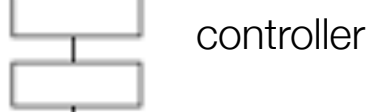
playlist.index(req, res)

routes.js

```
router.get("/playlist/:id", playlistController.index);
```

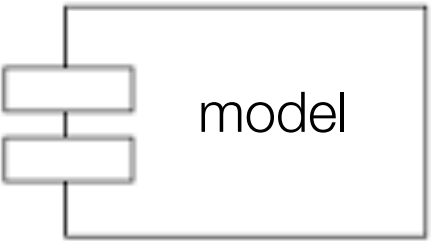
playlist-controller.js

```
export const playlistController = {  
  async index(request, response) {  
    const playlist = await playlistStore.getPlaylistById(request.params.id);  
    const viewData = {  
      title: "Playlist",  
      playlist: playlist,  
    };  
    response.render("playlist-view", viewData);  
  },  
};
```



controller

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



model

```
{  
  "file": "./models/playlists.js",  
  "playlists": [  
    {  
      "title": "My Only Playlist",  
      "_id": "677455fd-50fb-4ff1-903c-14f487f6f394"  
    }  
  ]  
}
```

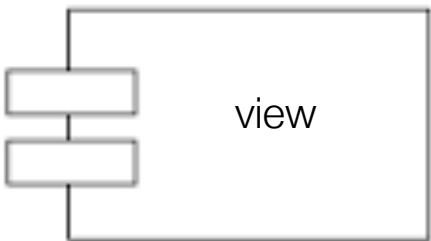
```
{  
  "file": "./models/tracks.js",  
  "tracks": [  
    {  
      "title": "track 1",  
      "artist": "ME",  
      "duration": 12,  
      "_id": "a572147e-a592-4e9e-a572-147e-a592-4e9e",  
      "playlistid": "677455fd-50fb-4ff1-903c-14f487f6f394"  
    },  
    {  
      "title": "track 2",  
      "artist": "ME",  
      "duration": 32,  
      "_id": "65229f82-9bc0-4292-6522-9f82-9bc0-4292",  
      "playlistid": "677455fd-50fb-4ff1-903c-14f487f6f394"  
    }  
  ]  
}
```

list-tracks.hbs

```
<table class="table is-fullwidth">  
  <thead>  
    <tr>  
      <th>Track</th>  
      <th>Artist</th>  
      <th>Duration</th>  
    </tr>  
  </thead>  
  <tbody>  
    <{{#each playlist.tracks}}>  
      <tr>  
        <td>{{title}}</td>  
        <td>{{artist}}</td>  
        <td>{{duration}}</td>  
      </tr>  
    </tbody>  
  </table>
```

playlist-view.hbs

```
{{> menu}}  
  
<section class="section">  
  <div class="title">{{playlist.title}}</div>  
  <div class="add-track">{{> add-track}}</div>  
  <div class="list-tracks">{{> list-tracks}}</div>  
</section>
```



view

main.hbs

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

RESPONSE

```
<section class="...t">  
  <h2 class="ui header">  
    My Only Playlist  
  </h2>  
  <table class="ui table">  
    <thead>  
      <tr>  
        <th>Track</th>  
        <th>Artist</th>  
        <th>Duration</th>  
      </tr>  
    </thead>  
    <tbody>  
      <tr>  
        <td>Track 1</td>  
        <td>ME</td>  
        <td>12</td>  
      </tr>  
      <tr>  
        <td>Track 2</td>  
        <td>ME</td>  
        <td>32</td>  
      </tr>  
    </tbody>  
  </table>  
</section>
```

My Only Playlist

Enter Track Details:

Enter Title

Enter Artist

Enter duration

Add Track

Track	Artist	Duration	
track 1	ME	12	
track 2	ME	32	

MVC

