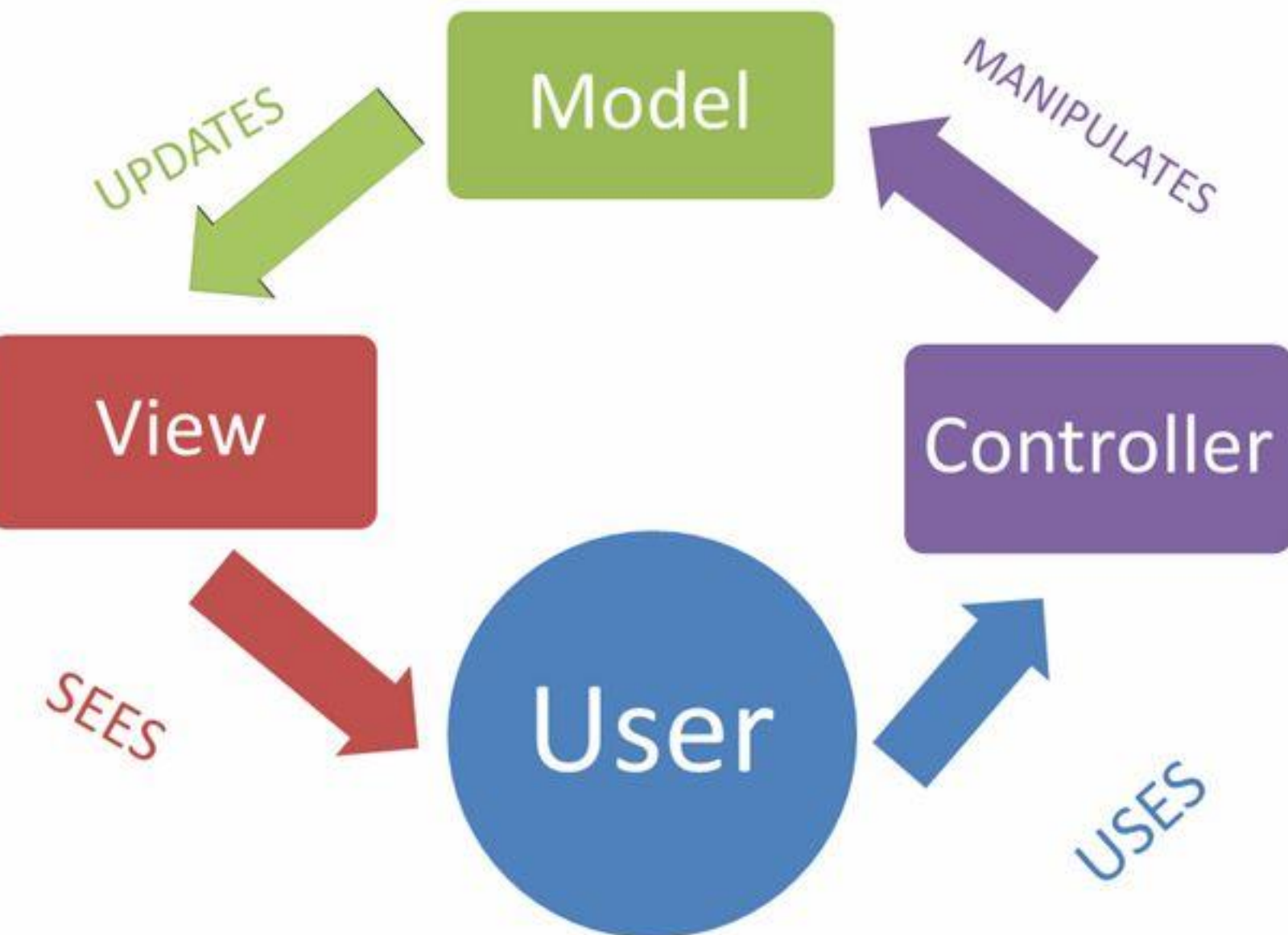


# MVC

---



#### back-end +

```
.env
.gitignore
.jscsrc
controllers/about.js
controllers/dashboard.js
controllers/playlist.js
controllers/start.js
models/playlist-db-save.json
models/playlist-db.json
models/playlist-store.js
models/store.js
package.json
README.md
routes.js
server.js
```

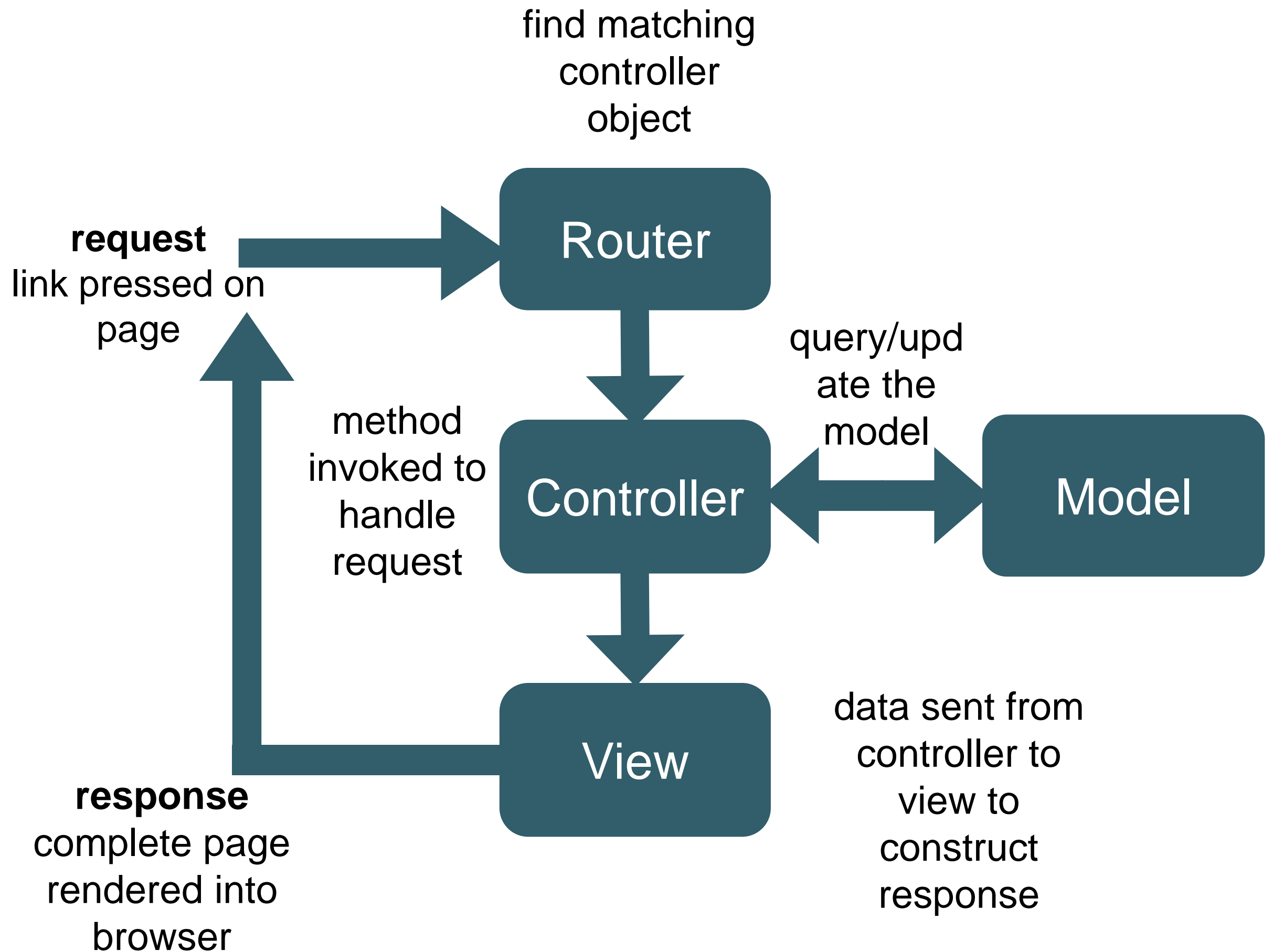
#### front-end +

```
assets
views/about.hbs
views/dashboard.hbs
views/layouts/main.hbs
views/partials/addplaylist.hbs
views/partials/addsong.hbs
views/partials/listplaylists.hbs
views/partials/listsongs.hbs
views/partials/menu.hbs
views/playlist.hbs
views/start.hbs
```

# Request/Response Lifecycle

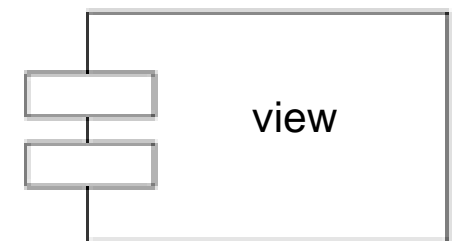
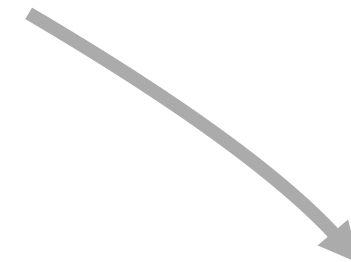
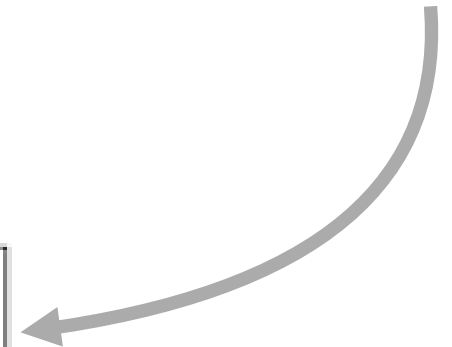
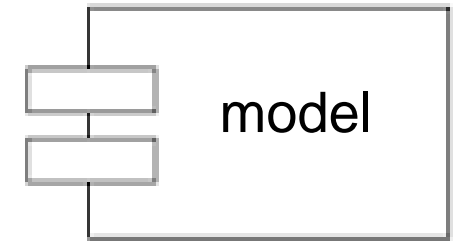
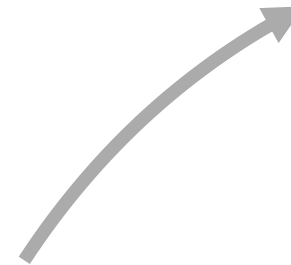
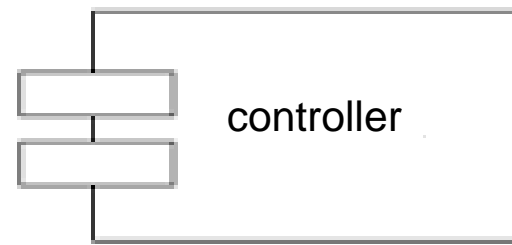
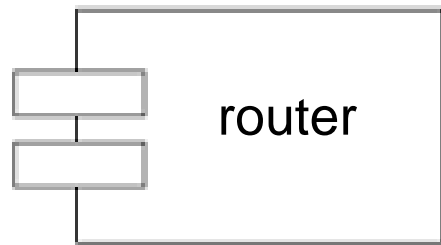
---

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

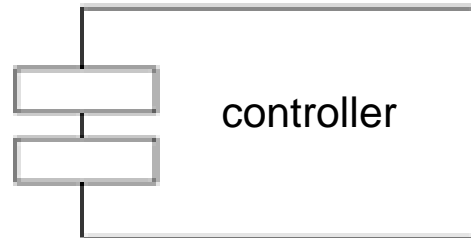


Delete a Song from a Playlist

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



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



```
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": 5  
      },  
      {  
        "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": 4  
      }  
    ]  
  }  
]
```

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>  
          <a class="ui...">Delete Song</a>  
        </td>  
      </tr>  
    {{/each}}  
  </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'