MVC

Model–View–Controller diagram

UPDATES

MANIPULATES
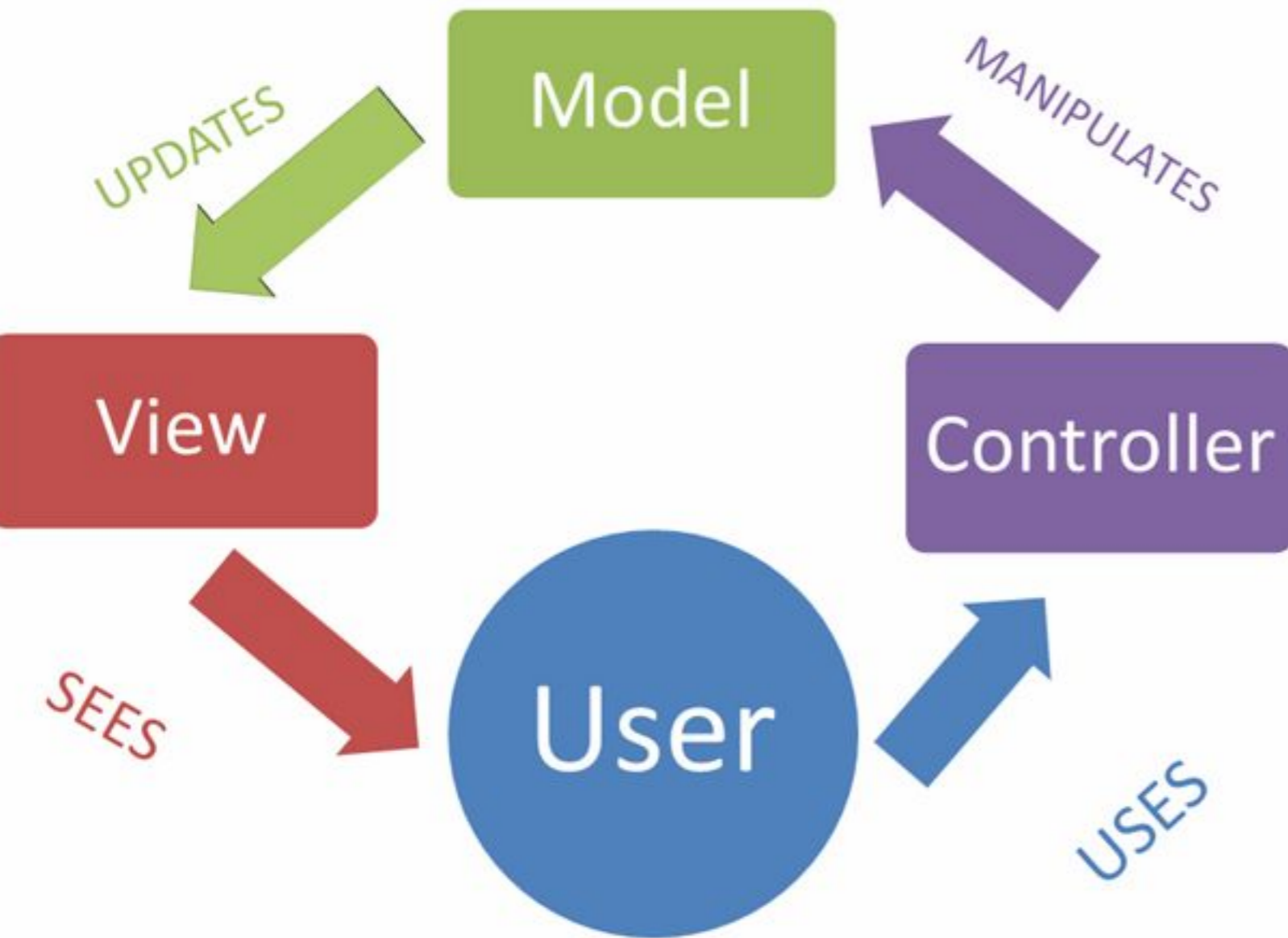
Model

View

Controller

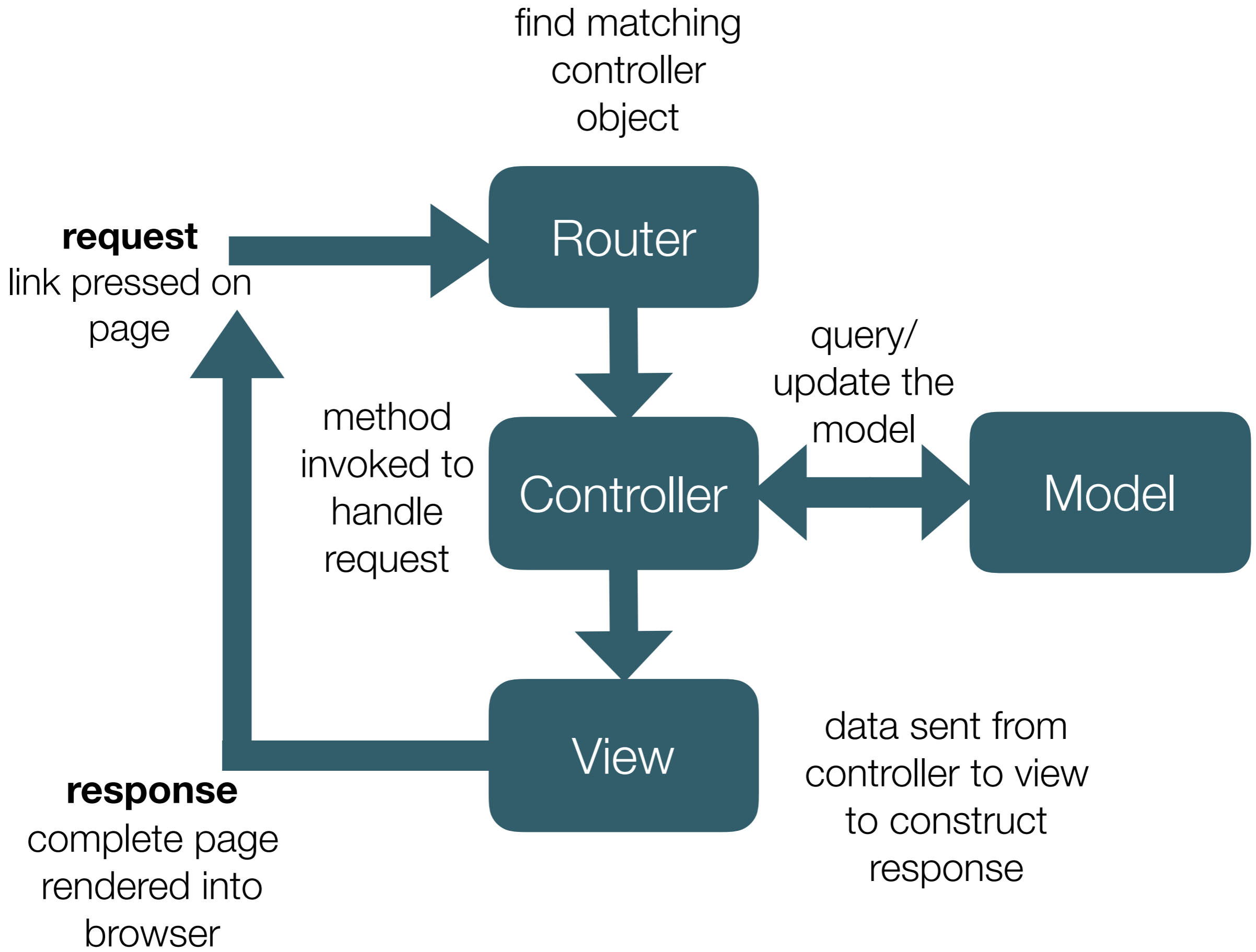SEES

User

USES

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
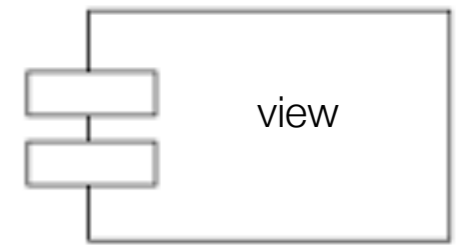*views/*start.hbs
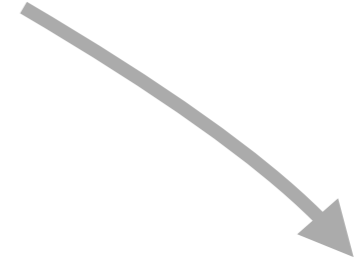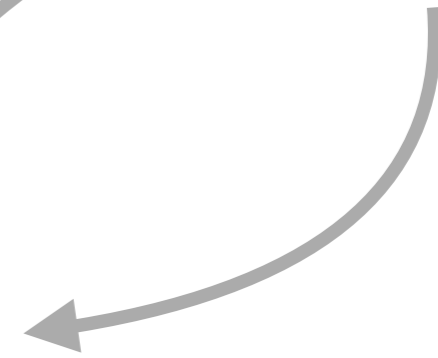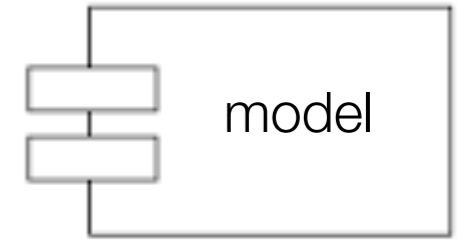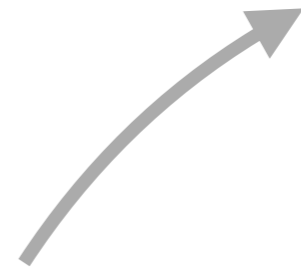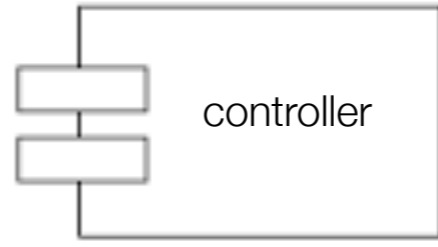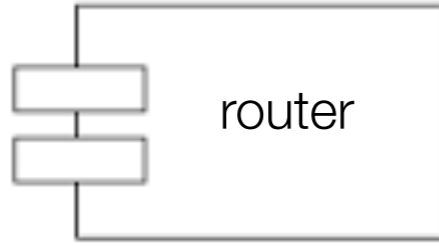
Request/Response Lifecycle

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

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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

router

controller

model

view

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