

**Update:**

- Removed services that users don't have access to.
  - I initially created a lot of services that I didn't want users to have such as creating, editing, and deleting theaters.
  - I don't want the end user to have a way of manipulating the data.
- Added stretch feature data to examples and outputs.

**Services kept:**

<b>Get /showtime/{showtimeID}</b>	Returns showtime for given showtimeID input
Parameters	<ul style="list-style-type: none"> <li>• An integer for the showtimeID to be returned</li> </ul>
Error codes	<ul style="list-style-type: none"> <li>• 200: Operation successful               <ul style="list-style-type: none"> <li>- Example entity response:                   <pre>&lt;showtime&gt; &lt;showtimeID&gt;0&lt;/showtimeID&gt; &lt;movieID&gt;0&lt;/movieID&gt; &lt;theaterID&gt;0&lt;/theaterID&gt; &lt;time&gt;00:00:00&lt;/time&gt; &lt;/showtime&gt;</pre> </li> </ul> </li> <li>• 400: Invalid input</li> <li>• 404: ShowtimeID not found</li> </ul>
Purpose	If a user were to click on a specific showtime, they would receive its data.

<b>Get /showtime/findByFilter</b>	Returns array of showtimeID of showtimes filtered with values chosen by the user.
Parameters	<ul style="list-style-type: none"> <li>• Array of strings               <ul style="list-style-type: none"> <li>- Can be filtered by price, theater, and movie</li> </ul> </li> </ul>
Error codes	<ul style="list-style-type: none"> <li>• 200: Operation successful               <ul style="list-style-type: none"> <li>- Example entity response:                   <pre>{ "showtimeID": 0,   "showtimeID": 1,   "showtimeID": 2}</pre> </li> </ul> </li> <li>• 400: Invalid input</li> </ul>
Purpose	As the main feature of the Tixter web application, users will fill out of form and enter a location and movie and select the

	“sort by” option. After submitting the form, users should receive a list after this get method is called.
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<b>Get /movieList</b>	Returns list of movies
Parameters	<ul style="list-style-type: none"> <li>No parameters</li> </ul>
Error codes	<ul style="list-style-type: none"> <li>200: Operation successful <ul style="list-style-type: none"> <li>Example entity response: <pre>{ "movieID": 0,   "movieID": 1,   "movieID": 2}</pre> </li> </ul> </li> </ul>
Purpose	When a user visits the movies page, this get method will be called to obtain a list of the movies in the database.

<b>Get /theaterList</b>	Returns list of theaters
Parameters	<ul style="list-style-type: none"> <li>No parameters</li> </ul>
Error codes	<ul style="list-style-type: none"> <li>200: Operation successful <ul style="list-style-type: none"> <li>Example entity response: <pre>{ "theaterID": 0,   "theaterID": 1,   "theaterID": 2}</pre> </li> </ul> </li> </ul>
Purpose	When a user visits the theater page, this get method will be called to obtain a list of the theaters in the database.

## Endpoint Diagram

Home page:

- Get /showtime
- Get /showtime/{showtimeID}
- Get /movieList
- Get /theaterList

Movie page:

- Get /movieList

Theaters page:

- Get /theaterList

## Services removed:

<b>Post /showtime</b>	Adds a new showtime
Parameters	<ul style="list-style-type: none"><li>• Showtime object Example: { "showtimeID": 0, "movieID": 0, "theaterID": 0, "time": "00:11:00" }</li></ul>
Error codes	<ul style="list-style-type: none"><li>• 400: Invalid object input</li></ul>

<b>Put /showtime</b>	Replaces a showtime
Parameters	<ul style="list-style-type: none"><li>• New showtime object Example: { "showtimeID": 0, "movieID": 0, "theaterID": 0, "time": "00:11:00" }</li></ul>
Error codes	<ul style="list-style-type: none"><li>• 400: Invalid object input</li><li>• 404: Showtime not found</li></ul>

<b>Delete /showtime/{showtimeID}</b>	Removes showtime for given showtimeID input
Parameters	<ul style="list-style-type: none"><li>• An integer for the showtimeID to be deleted</li></ul>
Error codes	<ul style="list-style-type: none"><li>• 400: Invalid input</li><li>• 404: Showtime not found</li></ul>

<b>Post /movie</b>	Adds a new movie object
Parameters	<ul style="list-style-type: none"><li>• Movie object Example: { "movieID": 0, "description": 0, "rating": 0.00, "length": "00:00:00" }</li></ul>
Error codes	<ul style="list-style-type: none"><li>• 400: Invalid object input</li></ul>

<b>Put /movie</b>	Replaces a movie
Parameters	<ul style="list-style-type: none"><li>• New movie object Example:</li></ul>

	<pre>{ "movieID": 0,   "description": "blockbuster",   "rating": 0.00,   "length": "00:00:00" }</pre>
Error codes	<ul style="list-style-type: none"> <li>• 400: Invalid object input</li> <li>• 404: MovieID not found</li> </ul>

<b>Delete /movie/{movieID}</b>	Removes movie for given movieID input
Parameters	<ul style="list-style-type: none"> <li>• An integer for the movieID to be deleted</li> </ul>
Error codes	<ul style="list-style-type: none"> <li>• 400: Invalid input</li> <li>• 404: MovieID not found</li> </ul>

<b>Post /theater</b>	Adds a new theater object
Parameters	<ul style="list-style-type: none"> <li>• Theater object Example:  <pre>{ "theaterID": 0,   "theaName": "Fruitvale Theater",   "address": "000 Zero ave.",   "phoneNbr": "000-000-0000" }</pre> </li> </ul>
Error codes	<ul style="list-style-type: none"> <li>• 400: Invalid object input</li> </ul>

<b>Put /movie</b>	Replaces a theater
Parameters	<ul style="list-style-type: none"> <li>• New theater object Example:  <pre>{ "theaterID": 0,   "theaName": "Fruitvale Theater",   "address": "000 Zero ave.",   "phoneNbr": "000-000-0000" }</pre> </li> </ul>
Error codes	<ul style="list-style-type: none"> <li>• 400: Invalid object input</li> <li>• 404: theaterID not found</li> </ul>

<b>Delete /theater/{theaterID}</b>	Removes movie for given theaterID input
Parameters	<ul style="list-style-type: none"> <li>• An integer for the theaterID to be deleted</li> </ul>
Error codes	<ul style="list-style-type: none"> <li>• 400: Invalid input</li> <li>• 404: TheaterID not found</li> </ul>