

# User Guide

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Our **RESTful Web Service** Movie Pick is a web service providing information about the movies which are currently being showed in Athens. The service provides information about the ratings of movies, the show times, name of the theatres and its location, its genre. The web service offers in total 7 functionalities:

1. *Create*
2. *Update*
3. *Delete*
4. *Retrieve Movie by Title*
5. *Retrieve Movie by Genre*
6. *Retrieve Movie by Rating*
7. *Retrieve Movie by Shows*

- **Create:** The *Create* functionality in the web service allows the user to add a new record in the database. It takes as input movie\_name, movie\_desc, movie\_rating, genre, release date.

**URL:**

[http://uml.cs.uga.edu:8080/cs8350\\_4\\_movies/api/addMovie/Interstellar/Best%Nolan%Movie%Ever/4.3/Sci-Fi/2011-12-31](http://uml.cs.uga.edu:8080/cs8350_4_movies/api/addMovie/Interstellar/Best%Nolan%Movie%Ever/4.3/Sci-Fi/2011-12-31)

- **Update:** The *Update* functionality in the web service allows the user to update the existing record in the database based on the movie\_name. It takes as input the movie\_name and the new movie\_desc to be updated in the database.

**URL:**

[http://uml.cs.uga.edu:8080/cs8350\\_4\\_movies/api/updateMovie/Interstellar/Best%Nolan%Movie%Ever](http://uml.cs.uga.edu:8080/cs8350_4_movies/api/updateMovie/Interstellar/Best%Nolan%Movie%Ever)

- **Delete:** The *Delete* functionality in the web service allows the user to delete the existing record in the database based on the movie\_name.

**URL:**

[http://uml.cs.uga.edu:8080/cs8350\\_4\\_movies/api/deleteMovie/Interstellar](http://uml.cs.uga.edu:8080/cs8350_4_movies/api/deleteMovie/Interstellar)

- **Retrieve Movie by Title:** This functionality in web service allows the user to perform a **GET** operation and retrieve the details about the movie such as its

description, genre, ratings, showtimes. The result is shown as a **JSON** object and the method takes in the movie\_name as input.

**URL:**

*http://uml.cs.uga.edu:8080/cs8350\_4\_movies/api/movieByTitle/The%20Upsid  
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- **Retrieve Movie by Genre:** This functionality in web service allows the user to perform a **GET** operation and retrieve all the movies for the corresponding genre and it takes as an input the genre.

**URL:**

*http://uml.cs.uga.edu:8080/cs8350\_4\_movies/api/movieByGenre/Adventure*

- **Retrieve Movie by Rating:** This functionality in web service allows the user to perform a **GET** operation and retrieve all the movies for the given ratings and it takes as an input the rating.

**URL:** *http://uml.cs.uga.edu:8080/cs8350\_4\_movies/api/movieByRating/4.1*

- **Retrieve Movie by Shows:** This functionality in web service allows the user to perform a **GET** operation and retrieve all the theatres showing the given movie and its show times. The method takes as an input the name of the movie.

**URL:**

*http://uml.cs.uga.edu:8080/cs8350\_4\_movies/api/movieByShows/The%20Upsid  
U%20Down*

<b>URI Path Template</b>	<b>HTTP Method</b>	<b>Result</b>
<i>http://uml.cs.uga.edu:8080/cs8350_4_movies/api/ /addMovie/{movieTitle}/{movieDesc}/{movieRating}/ {genre}/{date}</i>	<i>POST</i>	<i>Adds a new movie to database</i>
<i>http://uml.cs.uga.edu:8080/cs8350_4_movies/api /updateMovie/{movieTitle}/{movieDesc}</i>	<i>POST</i>	<i>Updates the description for an existing movie in database</i>
<i>http://uml.cs.uga.edu:8080/cs8350_4_movies/api/d eleteMovie/{movieTitle}</i>	<i>POST</i>	<i>Deletes the movie from database</i>
<i>http://uml.cs.uga.edu:8080/cs8350_4_movies/api /movieByTitle/{movieTitle}</i>	<i>GET</i>	<i>Retrieves the movies by Title</i>
<i>http://uml.cs.uga.edu:8080/cs8350_4_movies/api /movieByGenre/{genreName}</i>	<i>GET</i>	<i>Retrieves the movies by Genre</i>
<i>http://uml.cs.uga.edu:8080/cs8350_4_movies/api /movieByRating/{rating}</i>	<i>GET</i>	<i>Retrieves the movies by Ratings</i>
<i>http://uml.cs.uga.edu:8080/cs8350_4_movies/api /movieByShows/{movie_name}</i>	<i>GET</i>	<i>Retrieves the Theatre and Show times for the given movie</i>