

Function	Method	URL	Description	Request body	Returns	Success	Failure
Get one user	GET	host/api/users/ [id]	Gets one user from API id in URL is a must to get one user	-	User JSON Object with attributes username email role(admin or client)	200	404
Get all users	GET	host/api/users/	Gets all users from API No id in URL is a must to get all user	-	User JSON Array of Objects with attributes username email role(admin or client)	200	404
Add new User	POST	host/api/users/	Adds a new user to the server's DB (used with register)	All username email password <u>attributes are case sensitive</u>	JSON Object with attribute message	201	400
Update User info	PUT	host/api/users/ [id]	Edits user info that has an id which is specified in the URL	At least one username email password <u>attributes are case sensitive</u>	JSON Object with attribute message	204	400
Delete a user	DELETE	host/api/users/ [id]	Delete a user from server's DB id in URL is a must to delete user	-	JSON Object with attribute message	200	404
Login	POST	host/api/users/login/	Login to server system to get a session & cookie initialized for user	All username password <u>attributes are case sensitive</u>	JSON Object with attribute message	200	403

host: <https://rarrum.herokuapp.com>

200 : OK

201 : CREATED

204 : NO CONTENT

400 : BAD REQUEST

404 : NOT FOUND

403 : FORBIDDEN

406 : NOT ACCEPTABLE

Get Favorite Movies	GET	host/api/users/ [id] /favs	Gets all Movies favored by the User with id of [id] in URL id in URL is a must to get favorites	-	JSON Array of Object with attributes <i>name</i> <i>category</i> <i>age_rating</i> <i>user_rating</i> <i>year</i> <i>language</i> <i>poster_dir(string)</i>	200	404
Add Favorite Movie	POST	host/api/users/ [id] /favs	Adds a favorite movie for user with id of [id] in URL id in URL is a must to add new favorite movie for a specified existing user	One <i>movie</i> (which is the id of the movie to be favorite for the user) <u>attribute is case sensitive</u>	JSON Object with attribute <i>message</i>	200	406

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 204 : NO CONTENT
 400 : BAD REQUEST
 404 : NOT FOUND
 403 : FORBIDDEN
 406 : NOT ACCEPTABLE

Function	Method	URL	Description	Request body	Returns	Success	Failure
Get one movie	GET	host/api/movies/ [id]	Gets one movie from API id in URL is a must to get one movie	-	Movie JSON Object with attributes name category age_rating user_rating year language poster_dir(string)	200	404
Get all movies	GET	host/api/movies/	Gets all movies from API No id in URL is a must to get all movies	-	Returns JSON Array of Movie Objects	200	404
Add new Movie	POST	host/api/movies/	Adds a new movie to the server's DB	All name category age_rating user_rating year language poster(file) <u>attributes are case sensitive</u>	JSON Object with attribute message	201	400
Update Movie info	PUT	host/api/movies/ [id]	Edits movie info that has an id which is specified in the URL	At least one name category age_rating user_rating year language poster(file) <u>attributes are case sensitive</u>	JSON Object with attribute message	204	400

host: https://rarrum.herokuapp.com

200 : OK

201 : CREATED

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400 : BAD REQUEST

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406 : NOT ACCEPTABLE

Delete a movie	DELETE	host/api/movies/ [id]	Delete a user from server's DB id in URL is a must to delete movie	-	JSON Object with attribute <i>message</i>	200	404
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Images

Function	Method	URL	Description	Request body	Returns	Success	Failure
Get one Image	GET	host/api/img/ [dir]	Gets one Image(Poster) from API dir in URL is a must to get one image	-	Image file	200	404

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Regular Expressions

```
Username Regex = /^[a-z]([\w][.-]{0,1}){6,22}[a-z]$/
/*
 * Username Regular Expression
 * a username must start and end with an alphabet
 * a username at least 7 characters and at most 24 characters of alphabets and
digits
 * can contain [.] dot but not repeatedly, [-] dash but not repeatedly, and [_]
underscore
 */
Email Regex = /^[\\w]([\\w][.-]{0,1}?)+@([a-z0-9][_-]{0,1}?)+\\.([a-z]{2,5})$/
/*
 * Email Regular Expression
 * an email is validated with respect to some of the RFC 5322 Syntax
 * https://tools.ietf.org/html/rfc5322
 */
Password Regex= /^[.]{7,}$/
/*
 * Password Regular Expression
 * a password must contain at least 7 characters
 */
```

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