

Note:

Error codes ranges:

100-199 - repository errors

200-299 - service errors

300-399 - controller errors

USERS

Endpoint	POST /users/register	
Description	Registers a new user	
Request	<pre>{ "username": "user1", "password": "u.1234567" }</pre>	
Response	<pre>{ "data": { "role": "user", "_id": "5ecdc6a368b5f115c04cbc35", "username": "user1", "email": "", "password": "\$2b\$10\$wyF7aAzXJpb1G4btyjoObu9Sk1E1Qx5d6ax74z7hERD5QH6.ZFyW", "__v": 0 } }</pre>	
Error Codes	318	User registration unexpected error
	319	User Already exists
	205	getUserByUsername Unexpected Error
	206	createUser Unexpected Error
	105	getUserByUsername Unexpected Error
	106	createUser Unexpected Error

Endpoint	POST /users/login				
Description	Registers a new user				
Request	<pre>{ "username": "user1", "password": "u.1234567" }</pre>				
Response	<pre>{ "data": { "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiI1ZW5kYzZlZmZyY4YjVmMTE1YzA0Y2JjMzUiLCJleHAiOiJlOTA1NDQyNzgyNjEsInVzZXJuYW1lIjoiaXNlcjEiLCJyb2xlIjoiaXNlcjE9.ULe-o6_q-ywO0rFBTG0igcQ3BgUrQxfFtEnkKcj4I50", "username": "user1", "role": "user", "id": "5ecdc6a368b5f115c04cbc35" } }</pre>				
Error Codes	<table> <tr> <td>320</td><td>User Login unexpected Error</td></tr> <tr> <td>321</td><td>Invalid Login Information</td></tr> </table>	320	User Login unexpected Error	321	Invalid Login Information
320	User Login unexpected Error				
321	Invalid Login Information				

GAMES

Endpoint	GET /games
Description	Returns all users games
Header	Authorization: Bearer <token>
Request	-
Response	<pre>[{ "_id": "5ecdc0ba68b5f115c04cbc1f", "rows": 2, "columns": 2, "mines": 1, "field": [[</pre>

	<pre>{ "_id": "5ecdc0ba68b5f115c04cbc20", "flagged": false, "mined": false, "question": false, "revealed": false }, { "_id": "5ecdc0ba68b5f115c04cbc21", "flagged": false, "mined": true, "question": false, "revealed": false }], [{ "_id": "5ecdc0ba68b5f115c04cbc22", "flagged": false, "mined": false, "question": false, "revealed": false }, { "_id": "5ecdc0ba68b5f115c04cbc23", "flagged": false, "mined": false, "question": false, "revealed": false }]], "revealed": "0", "finished": false, "user": "5ec9167173ed913a09121a95" }]</pre>							
Error Codes	<table><tr><td>300</td><td>getGames Unexpected Error</td></tr><tr><td>200</td><td>getGames Unexpected Error</td></tr><tr><td>100</td><td>getGames Unexpected Error</td></tr></table>		300	getGames Unexpected Error	200	getGames Unexpected Error	100	getGames Unexpected Error
300	getGames Unexpected Error							
200	getGames Unexpected Error							
100	getGames Unexpected Error							

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Endpoint	GET /games/:id
Description	Return specific game
Header	Authorization: Bearer <token>
Request	-
Response	<pre>{ "_id": <id>, "rows": 2, "columns": 2, "mines": 1, "field": [[{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }, { "_id": "<cell-id>", "flagged": false, "mined": true, "question": false, "revealed": false }], [{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }, { "_id": "<cell-id>", "flagged": false,</pre>

	<pre>"mined": false, "question": false, "revealed": false }]], "revealed": "0", "finished": false, "user": "5ec9167173ed913a09121a95" }</pre>						
Error Codes	<table><tr><td>301</td><td>getGameById Unexpected Error</td></tr><tr><td>201</td><td>getGameById Unexpected Error</td></tr><tr><td>101</td><td>getGameById Unexpected Error</td></tr></table>	301	getGameById Unexpected Error	201	getGameById Unexpected Error	101	getGameById Unexpected Error
301	getGameById Unexpected Error						
201	getGameById Unexpected Error						
101	getGameById Unexpected Error						

Endpoint	POST /games/
Description	Creates new game
Header	Authorization: Bearer <token>
Request	<pre>{ "rows": 2, "columns": 2, "mines": 1 }</pre>
Response	<pre>{ "_id": <id>, "rows": 2, "columns": 2, "mines": 1, "field": [[{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }]] }</pre>

	<pre> }, { "_id": "<cell-id>", "flagged": false, "mined": true, "question": false, "revealed": false }], [{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }, { "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }]], "revealed": "0", "finished": false, "user": "5ec9167173ed913a09121a95" }</pre>										
Error Codes	<table><tr><td>302</td><td>createGame Unexpected Error</td></tr><tr><td>303</td><td>createGame Unexpected Error</td></tr><tr><td>304</td><td>createGame More mines than cells</td></tr><tr><td>202</td><td>createGame Unexpected Error</td></tr><tr><td>102</td><td>createGame Unexpected Error</td></tr></table>	302	createGame Unexpected Error	303	createGame Unexpected Error	304	createGame More mines than cells	202	createGame Unexpected Error	102	createGame Unexpected Error
302	createGame Unexpected Error										
303	createGame Unexpected Error										
304	createGame More mines than cells										
202	createGame Unexpected Error										
102	createGame Unexpected Error										

Endpoint	POST /games/:id/flag
Description	Sets a flag on a specific game cell
Header	Authorization: Bearer <token>
Request	<pre>{ "x": 0, "y": 0 }</pre>
Response	<pre>{ "_id": "<id>", "rows": 2, "columns": 2, "mines": 1, "field": [[{ "_id": "<cell-id>", "flagged": true, "mined": false, "question": false, "revealed": false }, { "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }], [{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }, { "_id": "<cell-id>", "flagged": false, "mined": true, </pre>

	<pre>"question": false, "revealed": false }], "revealed": "0", "finished": false, "user": "5ec9167173ed913a09121a95" }</pre>												
Error Codes	<table><tr><td>305</td><td>flagCell Unexpected Error</td></tr><tr><td>306</td><td>flagCell Missing Parameters</td></tr><tr><td>307</td><td>flagCell Game Not Found</td></tr><tr><td>308</td><td>flagCell Invalid Coordinates</td></tr><tr><td>203</td><td>updateGame Unexpected Error</td></tr><tr><td>103</td><td>updateGame Unexpected Error</td></tr></table>	305	flagCell Unexpected Error	306	flagCell Missing Parameters	307	flagCell Game Not Found	308	flagCell Invalid Coordinates	203	updateGame Unexpected Error	103	updateGame Unexpected Error
305	flagCell Unexpected Error												
306	flagCell Missing Parameters												
307	flagCell Game Not Found												
308	flagCell Invalid Coordinates												
203	updateGame Unexpected Error												
103	updateGame Unexpected Error												

Endpoint	POST /games/:id/question
Description	Sets a question on a specific game cell
Header	Authorization: Bearer <token>
Request	<pre>{ "x": 0, "y": 0 }</pre>
Response	<pre>{ "_id": "<id>", "rows": 2, "columns": 2, "mines": 1, "field": [[{ "_id": "<cell-id>", "flagged": true, "mined": false,</pre>

	<pre> "question": true, "revealed": false }, { "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }], [{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": false }, { "_id": "<cell-id>", "flagged": false, "mined": true, "question": false, "revealed": false }]], "revealed": "0", "finished": false, "user": "5ec9167173ed913a09121a95" }</pre>												
Error Codes	<table><tr><td>309</td><td>questionCell Unexpected Error</td></tr><tr><td>310</td><td>questionCell Missing Parameters</td></tr><tr><td>311</td><td>questionCell Game Not Found</td></tr><tr><td>312</td><td>questionCell Invalid Coordinates</td></tr><tr><td>203</td><td>updateGame Unexpected Error</td></tr><tr><td>103</td><td>updateGame Unexpected Error</td></tr></table>	309	questionCell Unexpected Error	310	questionCell Missing Parameters	311	questionCell Game Not Found	312	questionCell Invalid Coordinates	203	updateGame Unexpected Error	103	updateGame Unexpected Error
309	questionCell Unexpected Error												
310	questionCell Missing Parameters												
311	questionCell Game Not Found												
312	questionCell Invalid Coordinates												
203	updateGame Unexpected Error												
103	updateGame Unexpected Error												

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Endpoint	POST /games/:id/reveal
Description	Reveals a specific game cell
Header	Authorization: Bearer <token>
Request	<pre>{ "x": 0, "y": 0 }</pre>
Response	<pre>{ "_id": "<id>", "rows": 2, "columns": 2, "mines": 1, "field": [[{ "_id": "<cell-id>", "flagged": true, "mined": false, "question": true, "revealed": true, "adjacent_mines": 1 }, { "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": true, "adjacent_mines": 1 }], [{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false,</pre>

	<pre> "revealed": true, "adjacent_mines": 1 }, { "_id": "<cell-id>", "flagged": false, "mined": true, "question": false, "revealed": false }] }, "revealed": "3", "finished": false, "user": "5ec9167173ed913a09121a95" }</pre>												
Error Codes	<table><tr><td>313</td><td>revealCell Unexpected Error</td></tr><tr><td>314</td><td>revealCell Missing Parameters</td></tr><tr><td>315</td><td>revealCell Game Not Found</td></tr><tr><td>316</td><td>revealCell Invalid Coordinates</td></tr><tr><td>203</td><td>updateGame Unexpected Error</td></tr><tr><td>103</td><td>updateGame Unexpected Error</td></tr></table>	313	revealCell Unexpected Error	314	revealCell Missing Parameters	315	revealCell Game Not Found	316	revealCell Invalid Coordinates	203	updateGame Unexpected Error	103	updateGame Unexpected Error
313	revealCell Unexpected Error												
314	revealCell Missing Parameters												
315	revealCell Game Not Found												
316	revealCell Invalid Coordinates												
203	updateGame Unexpected Error												
103	updateGame Unexpected Error												

Endpoint	DELETE /games/:id
Description	Removes a specific game
Header	Authorization: Bearer <token>
Request	
Response	<pre>{ "_id": "<id>", "rows": 2, "columns": 2, "mines": 1, "field": [</pre>

	<pre>[{ "_id": "<cell-id>", "flagged": true, "mined": false, "question": true, "revealed": true, "adjacent_mines": 1 }, { "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": true, "adjacent_mines": 1 }], [{ "_id": "<cell-id>", "flagged": false, "mined": false, "question": false, "revealed": true, "adjacent_mines": 1 }, { "_id": "<cell-id>", "flagged": false, "mined": true, "question": false, "revealed": false }]], "revealed": "3", "finished": false, "user": "5ec9167173ed913a09121a95" }</pre>
Error Codes	

	317	deleteGame Unexpected Error
	204	removeGame Unexpected Error
	104	remove Game Unexpected Error