## **OOPP** state machine Paul Misterka | March 6, 2022 registration authentication (login) lobbies game creation Authentication POST ∘ lobby /user/register w/ payload settings questions MISSING: deregister leaderboard kicking people out of click register\_ profile preview a lobby global leaderboards click **login** button missing GET delete /user/login display warning— 404, 409 PUT \_click **join game**\_ display warning /game/{gameid}/add/{userid} click leaderboards Lobbies this is a popup window button /user/leaderboards <u>Leaderboards</u> create new game click **lobbies** button GET /user/{userId} User profile click click **create** button PUT /game w/ payload <u>Lobby</u> display warning POST 400, 401 400, 401 /game/{gameId}/config 204 delete-button click **save** button DELETE Lobby click /game/{gameId} settings button Change lobby what if the server click connection is temporarily lost Start Game button and you get a 500? /game/{gameId}/start we treat 500 as a Show an error message server crash. Losing internet connection will not esult in 500 unde circumstances \_Player is AFK\_ what if POST /game/{gameId}/leave another player doesn't click **leave** button accept the afk check? /game/{gameId}/question/{questionNum} Display warning 409 Display warning {gameId}/powerup/{powerup<mark>ld}</mark>,me/{gameId}/messsag /game/{gameId}/reaction/{reactionId} /game/{gameId}/answer w/ payload Receive power-up Receive message Receive reaction SSE: correct answer statistics

## Error codes: 2xx success 200 OK 201 Created 202 Accepted 203 Non-Authoritative Information (since HTTP/1.1) 204 No Content 205 Reset Content 206 Partial Content (RFC 7233) 207 Multi-Status (WebDAV; RFC 4918)

208 Already Reported (WebDAV; RFC 5842)

## 4xx client errors

400 Bad Request

226 IM Used (RFC 3229)

401 Unauthorized (RFC 7235) 402 Payment Required

403 Forbidden

404 Not Found 405 Method Not Allowed

406 Not Acceptable

407 Proxy Authentication Required (RFC 7235)

408 Request Timeout

409 Conflict

410 Gone

411 Length Required

412 Precondition Failed (RFC 7232)

413 Payload Too Large (RFC 7231) 414 URI Too Long (RFC 7231) 415 Unsupported Media Type (RFC 7231)

416 Range Not Satisfiable (RFC 7233)

417 Expectation Failed

418 I'm a teapot (RFC 2324, RFC 7168) 421 Misdirected Request (RFC 7540)

422 Unprocessable Entity (WebDAV; RFC 4918)

423 Locked (WebDAV; RFC 4918)

424 Failed Dependency (WebDAV; RFC 4918)

425 Too Early (RFC 8470) 426 Upgrade Required

428 Precondition Required (RFC 6585)

429 Too Many Requests (RFC 6585)

431 Request Header Fields Too Large (RFC 6585)

451 Unavailable For Legal Reasons(RFC 7725)

## 5xx server errors

500 Internal Server Error

501 Not Implemented 502 Bad Gateway

503 Service Unavailable

504 Gateway Timeout 505 HTTP Version Not Supported

506 Variant Also Negotiates (RFC 2295)

507 Insufficient Storage (WebDAV; RFC 4918) 508 Loop Detected (WebDAV; RFC 5842)

510 Not Extended (RFC 2774)

511 Network Authentication Required (RFC 6585)