

API

Error reference

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Every error the API returns — status, legacy body and /api/v1 envelope — generated by calling the server, plus the requests that are clamped or empty instead.

<https://docs.gurbanisoul.com/api/errors/>

Every error below was produced by calling the server’s own handler, on both surfaces, when this page was generated; CI regenerates it and fails if a status, a message or an envelope has changed. A client should branch on the **status** (and, on /api/v1, the code), never on the message text.

The two shapes

	/api/... (legacy)	/api/v1/...
Bad parameter	400,{"error": "invalid request: <message>"}	400,{"error": {"code": "invalid_request", "message", "request_id"}}
Not found (a gap, an unknown bani)	404,{"error": "<message>"}	404,code not_found
Unknown endpoint	400,{"error": "invalid request: unknown endpoint"}	404,code not_found
Unexpected failure	500,{"error": "internal server error"}	500,code internal,message internal server error

The legacy shape is frozen: the golden contract and the app depend on it byte for byte. New clients should use /api/v1, whose request_id is the same id as the X-Request-Id header and the access log (versioning and caching). A 500 never carries the exception; the detail is only in the server log, under that request id.

Every error, as the server answers it

Request	When	Status	Legacy body	/api/v1 code · message
/api/nope	a path that is not a route	400 · v1 404	{"error": "invalid request: unknown endpoint"}	not_found · no such endpoint: /api/v1/nope

Request	When	Status	Legacy body	/api/v1 code · message
/api/ang	a route that needs an id, without one	400	{"error": "invalid request: /api/ang requires an id"}	invalid_request · /api/ang requires an id
/api/ang/abc	an id that is not an integer	400	{"error": "invalid request: integer parameter expected"}	invalid_request · integer parameter expected
/api/ang/1234567890123	an integer longer than 12 characters	400	{"error": "invalid request: integer parameter too long"}	invalid_request · integer parameter too long
/api/search?q=naam&limit=abc	an integer parameter that is not an integer	400	{"error": "invalid request: integer parameter expected"}	invalid_request · integer parameter expected
/api/shabad/1	a comp_id that is a permanent gap	404	{"error": "no composition with comp_id 1"}	not_found · no composition with comp_id 1
/api/shabad/99999999	a comp_id beyond the last composition	404	{"error": "no composition with comp_id 99999999"}	not_found · no composition with comp_id 99999999
/api/search?q=<301 characters>	a search query over 300 characters	400	{"error": "invalid request: query too long (max 300 chars)"}	invalid_request · query too long (max 300 chars)
/api/verify?q=	an empty claim	400	{"error": "invalid request: empty claim"}	invalid_request · empty claim
/api/verify?q=<601 characters>	a claim over 600 characters	400	{"error": "invalid request: claim too long (max 600 chars)"}	invalid_request · claim too long (max 600 chars)
/api/bani	a bani without its key	400	{"error": "invalid request: /api/bani requires a key"}	invalid_request · /api/bani requires a key
/api/bani/NOPE!	a key with characters a key never has	400	{"error": "invalid request: bad bani key"}	invalid_request · bad bani key
/api/bani/nope	a well-formed key that is not a bani	404	{"error": "no bani with key nope"}	not_found · no bani with key nope
/api/bani/japji?variant=zz	a variant that is not one of the bani's	400	{"error": "invalid request: bad variant"}	invalid_request · bad variant

Request	When	Status	Legacy body	/api/v1 code · message
/api/analytics/progression	progression without raag	400	{"error": "invalid request: progression requires a raag"}	invalid_request · progression requires a raag
/api/timing/raag	a raag lookup without name	400	{"error": "invalid request: timing/raag requires ?name="}	invalid_request · timing/raag requires ?name=
/api/forms?comp_id=0	forms without a usable comp_id	400	{"error": "invalid request: forms requires ?comp_id="}	invalid_request · forms requires ?comp_id=

Not errors

Most parameters are clamped to their range rather than rejected, and some malformed input simply finds nothing. These requests all return 200; check the body, not only the status:

Request	What happens	Status	Body (lists shown as their length, Gurmukhi as <Gurmukhi>)
/api/ang/0	an Ang below 1 is clamped to 1	200	{"ang": 1, "lines": [23 items], "continued_from": null, "raag": null, "section": <Gurmukhi>, "authors": [1 item]}
/api/ang/1431	an Ang above 1430 is clamped to 1430	200	{"ang": 1430, "lines": [57 items], "continued_from": 1429, "raag": null, "section": <Gurmukhi>, "authors": [1 item]}
/api/search?q=naam&limit=999	limit above 200 is clamped to 200	200	{"mode": "theme", "concept": {...}, "results": [200 items], "related_themes": [0 items]}
/api/lines?ids=abc	ids that are not digits are ignored	200	{"lines": [0 items], "note": "verbatim Gurmukhi by line id, cited by Ang"}
/api/analytics/vaar?id=x	a Vaar id that is not a number finds no Vaar	200	{"vaar": null, "units": [0 items]}
/api/word	no word: nothing to count	200	{"word": "", "count": 0, "lines": [0 items]}
/api/neighbors	no line_id: no neighbours	200	{"line_id": 0, "level": "none", "neighbors": [0 items]}
/api/timing/raag?name=nope	an unknown raag name: no claims	200	{"available": true, "raag": "nope", "claims": [0 items], "note": "no such raag"}

Beyond a single request

- **404 from a single-context service.** A service that runs one context answers a route it does not own with 404 and the message `/api/<route>` is not served by this service. Through the public origin the gateway always sends a route to its own service, so a client only sees this when calling a function directly (bounded contexts and the gateway).
- **503 from /readyz.** `{"ready": false, ...}` when a declared table is missing, or `{"ready": false, "error": "database unavailable"}`. `/healthz` is liveness only.
- **The platform in front.** Vercel may answer before the API does, for example a timeout or a challenge page for an unusual burst of requests. Such responses are not JSON from this API and carry no `X-Service` header.

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