

REST API Edge Test Cases – Day 4

Test Case ID	API	Scenario / Edge Case	Input	Expected Result	Status Code
TC-01	POST /tasks	Empty request body	{}	Validation error – title required	400
TC-02	POST /tasks	Missing title field	{description}	Title missing error	400
TC-03	POST /tasks	Invalid JSON format	{title:}	JSON parse error	400
TC-04	POST /tasks	Invalid Content-Type	text/plain	Unsupported Media Type	415
TC-05	POST /tasks	Duplicate task creation	Same title twice	Handled or duplicate allowed based on logic	201/409
TC-06	POST /tasks	Very large payload	Huge JSON body	Payload rejected or processed safely	413
TC-07	POST /tasks	Invalid status value	status=Donee	Invalid status error	400
TC-08	POST /tasks	Database connection failure	Valid JSON	Insertion failed message	500
TC-09	GET /tasks	No records in DB	None	Empty list or not found message	200/404
TC-10	GET /tasks	Database failure during fetch	None	Database error response	500
TC-11	GET /tasks	Wrong HTTP	POST instead	Method Not	405

		method	of GET	Allowed	
TC-12	POST /tasks	SQL/NoSQL injection attempt	{\$ne:null}	Input sanitized / rejected	400
TC-13	POST /tasks	Extra unknown fields	Unexpected JSON keys	Ignored or validation error	201/400
TC-14	GET /tasks	Large number of records	1000+ records	Response returned with acceptable time	200
TC-15	POST /tasks	Null values in fields	title=null	Null validation error	400
TC-16	POST /tasks	Special characters in title	!@#\$\$%	Accepted safely	201
TC-17	POST /tasks	Date format invalid	due_date=12-12-25	Invalid date format error	400
TC-18	GET /tasks	Unauthorized access (if auth enabled)	No token	Unauthorized	401
TC-19	POST /tasks	Timeout from DB	Valid input	Request timeout error	504
TC-20	GET /tasks	Incorrect endpoint	/taskss	Endpoint not found	404
TC-21	POST /tasks	Whitespace-only title	title=' '	Invalid title error	400
TC-22	POST /tasks	Numeric title value	title=123	Type validation error	400
TC-23	GET /tasks	High concurrent	Multiple	No crash, stable	200

requests

users

response