

Scenarios	Precondition(s)	Operation	Expected Result	Notes
Import JSON in Database	The database should not have any message entries	POST /v1/messages	Response status 200	The content of the JSON is passed to the Server in the Body of the REST Call
		GET /v1/messages	1. Response status 200 2. All messages from the JSON are returned	Lists all messages in order to verify that the database has been populated correctly
List a message given a specific UID	The message with UID 23 exists in the DB	GET /v1/messages/23	1. Response status 200 2. The message with UID 23 is returned	
List a message given an invalid UID	The message with UID 100 does not exist in DB The message with UID -1 does not exist in DB	GET /v1/messages/100 GET /v1/messages/-1	1. Response status 404 1. Response status 404	
	The message with UID 9999999999999999 does not exist in DB	GET /v1/messages/9999999999999999	1. Response status 404	
	The message with UID "HelloWorld" does not exist in DB	GET /v1/messages/HelloWorld	1. Response status 404	
Mark a message with a valid UID as "Read"	The message with UID 23 exists in the DB and is unread ("read=false")	PATCH /v1/messages/23 BODY {"read=true"}	1. Response status 200 2. The field "read" of the returned message is "true"	
Mark a READ message with a valid UID as "Read"	The message with UID 23 exists in the DB and is unread ("read=true")	PATCH /v1/messages/23 BODY {"read=true"}	1. Response status 200 2. The field "read" of the returned message is "true"	
Mark a message with an invalid UID as "Read"	The message with UID 100 does not exist in DB	PATCH /v1/messages/100 BODY {"read=true"}	1. Response status 404	
Mark a message with a valid UID as "Unread"	The message with UID 23 exists in the DB and is unread ("read=true")	PATCH /v1/messages/23 BODY {"read=false"}	1. Response status 200 2. The field "read" of the returned message is "false"	
Mark a message with an invalid UID as "Unread"	The message with UID 100 does not exist in DB	PATCH /v1/messages/100 BODY {"read=false"}	1. Response status 404	
List all messages that have "read"=false	The messages with UID 23 and 24 exist in the DB and are the only ones that are read ("read=false")	GET /v1/messages?read=false	1. Response status 200 2. Only messages with UIDs 23,24 are returned and their content is preserved	
List all messages that have "read"=true	The messages with UID 23 and 24 exist in the DB and are the only ones that are read ("read=true")	GET /v1/messages?read=true	1. Response status 200 2. Only messages with UIDs 23,24 are returned and their content is preserved	
Mark a message with a valid UID as "Archived"	The message with UID 23 exists in the DB and is not archived ("archived=false")	PATCH /v1/messages/23 BODY {"archived=true"}	1. Response status 200 2. The field "archived" of the returned message with UID 23 is "true" and all the other fields are preserved	
Mark an ARCHIVED message with a valid UID as "Archived"	The message with UID 23 exists in the DB and is archived ("archived=true")	PATCH /v1/messages/23 BODY {"archived=true"}	1. Response status 200 2. The field "archived" of the returned message with UID 23 is "true" and all the other fields are preserved	
Mark a message with an invalid UID as "Archived"	The message with UID 100 does not exist in DB	PATCH /v1/messages/100 BODY {"archived=true"}	1. Response status 404	
Mark a message with a valid UID as "Unarchived"	The message with UID 23 exists in the DB and is unread ("archived=true")	PATCH /v1/messages/23 BODY {"archived=false"}	1. Response status 200 2. The field "read" of the returned message with UID 23 is "false" and all the other fields are preserved	
Mark a message with an invalid UID as "Unarchived"	The message with UID 100 does not exist in DB	PATCH /v1/messages/100 BODY {"archived=false"}	1. Response status 404	
List all messages that have "archived"=false	The messages with UID 23 and 24 exist in the DB and are the only ones that are archived ("archived=false")	GET /v1/messages?archived=false	1. Response status 200 2. Only messages with UIDs 23,24 are returned and their content is preserved	
List all messages that have "archived"=true	The messages with UID 23 and 24 exist in the DB and are the only ones that are archived ("archived=true")	GET /v1/messages?archived=true	1. Response status 200 2. Only messages with UIDs 23,24 are returned and their content is preserved	
List all messages that have "read" = true & "archived"=true	UID 23 exists & is the only UID with "read" = true & "archived"=true	GET /v1/messages?read=true&archived=true	1. Response status 200 2. Only message with UID 23 is returned and its content is preserved	
List all messages that have "read" = true & "archived"=false	UID 23 exists & is the only UID with "read" = true & "archived"=false	GET /v1/messages?read=true&archived=false	1. Response status 200 2. Only message with UID 23 is returned and its content is preserved	
List all messages that have "read" = false & "archived"=true	UID 23 exists & is the only UID with "read" = false & "archived"=true	GET /v1/messages?read=false&archived=true	1. Response status 200 2. Only message with UID 23 is returned and its content is preserved	
List all messages that have "read" = false & "archived"=false	UID 23 exists & is the only UID with "read" = false & "archived"=false	GET /v1/messages?read=false&archived=false	1. Response status 200 2. Only message with UID 23 is returned and its content is preserved	