Music Store Version 0.1.0 TEST PLAN

Requirement	Test number	Test Title	Initial Condition	Test Description	Expected	SW Version	Test Result	Result Message	Crititicity
Req1: Expose a restful API.	1	Check that music store server run on most known version of Windows	Window10 machine	For each machine 1. Run music music store_server-0.1.0 executable 2. From Client side, open web adress: http://localhost.5555		0.1.0	ОК		
			Window XP machine	For each machine 1- Run music music_store_server-0.1.0 executable 2. From Client side, open web adress: http://localhost.5555		0.1.0	Not tested		
	2	Check that music store server run on most known ditribution of Linux	Linux ubuntu	For each machine 1- Run music music_store_server-0.1.0 executable 2. From Client side, open web address: http://localhost.5555		0.1.0	Not Tested		
			Linux Debian	For each machine 1- Run music music_store_server-0.1.0 executable 2. From Client side, open web adress: http://docathost.5555		0.1.0	Not Tested		
	3	Check that music store server run on Mc	Macbook	For each machine 1- Run music music_store_server-0.1.0 executable 2. From Client side, open web adress: http://localhost.5555	The resquest should success, the page is displayed status code 200	0.1.0	Not Tested		
	4	music store server is accessible via most important web browser	Google Chrome	Run music_store_server-0.1.0 executable From Client side, open Chrome and enter web adress: http://localhost.5555/		0.1.0	ОК		
			Internet Explorer	Run music store server 0.1.0 executable From Client side, open IE and enter web adress: http://localhost.5555/		0.1.0	ОК		
	5	Several client can connect at same time without crash	Run music store server 0.1.0	open at least different 10 web pages at same time and enter adress: http://diocahost/5555/		0.1.0	ОК		
Reg2: The port and storage folder are configurable	1	Check that port is configurable		Run music store server 0.1.0 executable by opening a shell command line and learnth following command: music_store_server.01.0-windows.exe-p.3000 2. open a web browser and tape following address: https://locathost.5000	The request should success, the page is displayed status code 200	0.1.0	Y0	The request failed, the page is not displayed The port is not	
	1	Check that Storage folder is configurable	Use any machine (windows or Linux, or Mac)	Create a folder "Strorage" in -local_adress>Storage Run masks store server 0.1.0 excutable by opening a shelt command line and launch following command. masks_store_server_0.1.0 windows.exe-p_0555_r4/coal_adress>Storage 3.7 bit servers were it is ample in Storage folder	The resquest should success, the wav file list should be displayed in web page ← → C* ○ ○ ○ localhost 5555/fist ["gs-16b-1c-44100hz.wav", "gs-16b-2c-44100hz.wav"	0.1.0	KU .	configurable	
	2			4.open a web browser and tape following address: http://tocathost.5555/list		0.1.0	OK		
Req3:Expose the documentation of the available routes in a welcome page.	1	check available routes are available and comprehensive for user	Use any machine (windows or Linux, or Mac)	Run music store server 0.1.0 executable From Client side, open Chrome and enter web advess: https://locathest.5555/	All available methods of RESTAPI are available (POST.GET.DELETE) All available methods of RESTAPI are available (POST.GET.DELETE) All available methods of restar available (POST.GET.DELETE) Available methods	0.1.0	ОК		
	1	Check the upload of an high quality audio wav sample	Download and install python environment Generate a war audo sample with following Charachteristics: duration, millisecond = 500 sample, Tale +44100.0 ober charmels = 1 channel sampwidth = 2	1. open a python cmd console. 2. copy the generated audio was vample in same repertory of python command line. 3. send following command: >>>import requests >>>to open (Lample, war "ph") >>to open (Lample, war "ph") >>>to deep (Lample, war "ph") >>>to expend (Lample, war "ph") >>>to post (Lample, war "ph") >>x = requests request[TOST, uni=myuri, data = f, headers=header) >>print (Lample, war (Lamble, Gode) >>print (Lamble, Gode)	The POST request should return code status (200). Data content returned should contain ID of downloaded sample file	0.1.0	ко	1.The command return error status 400. 2. Returned message: ["description" The request didn't have a post content type"," cause".null)	
Req4. Return the list of the audio samples stored.	2	Check the upload of an low quality audio way sample	Download and install python environment Generate a way audio sample with following Charachteristics: duration, misseconds = 500 sample_title = 500 niber Charmete = 1 channel sampwidth = 2	1. open a python cmd console. 2. copy the generated audio way sample in same repertory of python command line. 3. send following command: >>import requests >>import requests >>import requests >>import requests >>import requests >>import products >>import requests >>import requests >>import requests >>import request >>import requests >>import requests >>import request(POST, url=myurl, data = f, headers=header) >>print (x.tatius_code)	The POST request should return code status (200). Data content returned should contain ID of downloaded sample file	0.1.0	ко	1.The command return error status 400. Zeaturned message: "description": The request didn't have a post content type"," cause": null)	

	3	Check the upload of an long duration audio way sample	Download and install python environement Generate a waw audo sample with following Charachteristics: duration, milisecond * 20000 sample_rate * 44000 hore-chainnels * 1 channel sampwidth * 2	1. open a python cmd console. 2. copy the generated audio way sample in same repertory of python command line. 3. send following command: >>import requests >>import requests >>mport = http://locathout/5555/uplood* >>>print (x.text) >>print (x.text) >>print (x.text) >>print (x.text) >>print (x.text)	The POST request should return code status (200). Data content returned should contain ID of downloaded sample file	0.1.0	ко	1.The command return error status 400. 2.Returned message: ("description": "the request didn't have a post content type";" cause":null)	
	4	Check the return of list of audio wav sample	Download and install python environement Download away audio sample and copy it Storage folder of server	1. open a python ond console and send following command >>import requests >>myuri "http://ocalhost:5555flist" >>x requests.request(GET, urlennyuri) >>print (Lastu) >>print (Lastu)	The GET command should return list of wav file available ← → C ∩ ○ localhost5555/list ["gs-16b-1c-44100hz.wav", "gs-16b-2c-44100hz.wav"]	0.1.0	ok		
Reg5: Return the content of a given audio sample.	1	Check download of audio sample file from server	Download and install python environement A sample autio should be already uploaded on server and green 1D are provided	1. open a python cnrd conside and send following command (cmusic gi. u22' is ID of ulpobased file returned in lest \$1.0.11) >= \text{import request} = \text{import request}	The GET command should download the requested audio file	0.1.0	Blocked	The upload failed, impossible to get the ID of uploaded file	
Req6: Return the statistics of a given audio sample (duration, sample_rate, sample_count, channel_count)	1	Check return of statistics of audio sample file from server	Downtoad and install python environment A sample audio should be already uploaded on server and given ID are provided	1. open a python cmd conside and send following command (cmusic) d. u32° is IID of upbosed file returned in lest 9.0.(1) >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	The GET command should return statistics of provided ID sample file	0.1.0	Blocked	The upload failed, impossible to get the ID of uploaded file	
No requirement	1	Check delete of audio sample file from server	Downtoad and install python environment A sample audio abould be already uploaded on server and given ID are provided	1. open a sythen cnd conside and send following command (crimal; 54, 122-9 ib Of uploaded file returned in test 9,0.11)	The DELETE command should delete provided ID sample file		Blocked	The upload failed, impossible to get the ID of uploaded file	
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