

CS301 Software Engineering Project

Requirements Traceability Matrix (RTM) Document

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Project Name : Music Recommendation System

Project Description : A music player that in addition to playing music, recommends user with music similar to what he/she is listening from the offline as well as online music database. Also it updates the metadata of user's offline music library files.

ID Definitions

Requirement ID

1. R_01: Manage songs (adding/removing songs to/from the application).
2. R_02: Control music (play/pause/stop/seek music, go to previous/next track, increase/decrease/mute music volume).
3. R_03: Manually update metadata.
4. R_04: Manually recommend music.
5. R_05: Edit fields in the song info.

Test Scenario ID

1. TS_01: File doesn't have a music file extension/ or has the extension that the player doesn't support (acceptable extensions - .mp3, .wav etc.)
2. TS_02: User starts a gaming application or any other application which plays a sound in the background while listening to a song on the music player.
3. TS_03: User gets a call or message while listening to a song on the music player.
4. TS_04: The music file playing doesn't have sufficient metadata for the metadata updater to work.
5. TS_05: User removes the song which is playing currently.
6. TS_06: No internet connection available for connecting to MusicBrainz database online
MusicBrainz returns error.
7. TS_07: The particular music file doesn't have sufficient metadata for the metadata updater to work.
8. TS_08: User removes song while updation.
9. TS_09: User closes software w/o saving data.

Test Case ID's

1. TC_01: Open software.
2. TC_02: Click on Add Music music option.
3. TC_03: Add file with wrong extension.
4. TC_04: Click on Play music option.
5. TC_05: Start a gaming application or any other application which plays a sound in the

background.

6. TC_06: Receive a call or message.
7. TC_07: Click on Update Metadata.
8. TC_08: Click on Edit music data option.
9. TC_09: Type data in the given fields.
10. TC_10: Don't click on Save.
11. TC_11: Click on Close.
12. TC_12: Click on Remove music option.
13. TC_13: Get recommendations.
14. TC_14: Info updated.
15. TC_15: Click on Get Recommendations option.

Requirements Traceability Matrix

ID	Status	Test Scenario ID	Test Case ID	Verification	Additional Comments
R_01	In Progress	TS_01	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_03	Failed	
R_02	In Progress	TS_02	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_04	Passed	
	In Progress		TC_13	Passed	
	In Progress		TC_05	Passed	
	In Progress	TS_03	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_04	Passed	
	In Progress		TC_13	Passed	
	In Progress		TC_06	Passed	
	In Progress	TS_04	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_04	Passed	
	In Progress		TC_13	Failed	
	In Progress		TC_14	Failed	
	In Progress	TS_05	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_04	Passed	
	In Progress		TC_12	Passed	
	In Progress		TC_13	Failed	
	In Progress	TS_06	TC_14	Failed	
	In Progress		TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_04	Passed	
	In Progress		TC_13	Failed	
R_03	In Progress	TS_06	TC_14	Failed	
	In Progress		TC_01	Passed	
	In Progress		TC_02	Passed	

ID	Status	Test Scenario ID	Test Case ID	Verification	Additional Comments
	In Progress		TC_07	Passed	
	In Progress		TC_14	Failed	
	In Progress	TS_07	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_07	Passed	
	In Progress		TC_14	Failed	
	In Progress	TS_08	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_07	Passed	
	In Progress		TC_14	Failed	
	In Progress		TC_12	Passed	
R_04	In Progress	TS_06	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_15	Passed	
	In Progress		TC_13	Failed	
	In Progress		TC_14	Failed	
	In Progress	TS_07	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_15	Passed	
	In Progress		TC_13	Failed	
	In Progress		TC_14	Failed	
	In Progress	TS_08	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_15	Passed	
	In Progress		TC_12	Passed	
	In Progress		TC_14	Failed	
	In Progress		TC_13	Failed	
R_05	In Progress	TS_09	TC_01	Passed	
	In Progress		TC_02	Passed	
	In Progress		TC_08	Passed	
	In Progress		TC_09	Passed	
	In Progress		TC_10	Passed	
	In Progress		TC_11	Passed	
	In Progress		TC_14	Failed	