



UE20CS303: SOFTWARE ENGINEERING

SOFTWARE REQUIREMENTS SPECIFICATION

MusicWreck

VERSION 1.0

Prepared By-

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A. BUG report from **Bug tracking** template from the listed Project templates

[MB-1] Anomaly and NULL data in API JSON response Created: 17/Oct/22 Updated: 17/Oct/22 Resolved: 17/Oct/22	
Status:	Done
Project:	MW-Bug
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Medium
Reporter:	Richa	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

Apply missing and none value handling for JSON data returned from API call.

Also Ensure proper use of HTTP verbs for RESTFUL API.

Generated at Mon Oct 17 15:57:23 UTC 2022 by Richa using Jira 1001.0.0-SNAPSHOT#100209-sha1:13f5f090808485490d93be5873bdee62f39f21fe.

B. USER Stories, Epics and Tasks Exploring Sprint with JIRA

[MW-8] Graphical User Interface (Front-End) Created: 17/Oct/22 Updated: 17/Oct/22 Resolved: 17/Oct/22

Status:	Done
Project:	MusicWreck 😊
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Task	Priority:	Medium
Reporter:	Richa	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Rank:	0 i0000f:
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Description

The following issues should be taken care-

1. Use bootstrap react in flask to set up GUI , necessary specifications for all tools are provided in the SRS.
2. Make use of cascading style sheets over flask-html and decide on the color palette
3. Interface should ensure abstraction from functional backend.

Generated at Mon Oct 17 14:14:44 UTC 2022 by Richa using Jira 1001.0.0-SNAPSHOT#100209-sha1:13f5f090808485490d93be5873bdee62f39f21fe.

[MW-9] [Set Up Spotify Developers API](#) Created: 17/Oct/22 Updated: 17/Oct/22 Resolved: 17/Oct/22

Status:	Done
Project:	MusicWreck 😊
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Task	Priority:	Medium
Reporter:	Richa	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

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Description

Go through the spotipy documentation to set up authorized API access from Spotify Developers API.

Ensure CBSE guidelines are followed.

Generated at Mon Oct 17 14:14:53 UTC 2022 by Richa using Jira 1001.0.0-SNAPSHOT#100209-sha1:13f5f090808485490d93be5873bdee62f39f21fe.

[MW-10] [Data Extraction and Data Pre Processing](#) Created: 17/Oct/22 Updated: 17/Oct/22 Resolved: 17/Oct/22

Status:	Done
Project:	MusicWreck 😊
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Task	Priority:	Medium
Reporter:	Richa	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

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Description

Look for Outliers, Feature extraction. Missing Values and Correlation plots.

- Data quality assessment.
- Data cleaning.
- Data transformation.
- Data reduction.

Generated at Mon Oct 17 14:15:05 UTC 2022 by Richa using Jira 1001.0.0-SNAPSHOT#100209-sha1:13f5f090808485490d93be5873bdee62f39f21fe.

[MW-11] [Flask Back End](#) Created: 17/Oct/22 Updated: 17/Oct/22 Resolved: 17/Oct/22

Status:	Done
Project:	MusicWreck 😊
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Task	Priority:	Medium
Reporter:	Richa	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Rank:	0 i00013:
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Description

Club the front end with a locally deployed WSGI development server.

Create back end interface to interact with the user preferences and the ML model

Generated at Mon Oct 17 14:15:13 UTC 2022 by Richa using Jira 1001.0.0-SNAPSHOT#100209-sha1:13f5f090808485490d93be5873bdee62f39f21fe.

[MW-12] [Recommendation System Pipeline](#) Created: 17/Oct/22 Updated: 17/Oct/22 Resolved: 17/Oct/22

Status:	Done
Project:	MusicWreck 😊
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Task	Priority:	Medium
Reporter:	Richa	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Rank:	0 i0001b:
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Description

Decide on recommendation system model

1. Content-Based
2. Collaborative
3. Knowledge-Based
4. Hybrid

Train the model, Test the model on validation data, Optimize and report results.

Generated at Mon Oct 17 14:15:22 UTC 2022 by Richa using Jira 1001.0.0-SNAPSHOT#100209-sha1:13f5f090808485490d93be5873bdee62f39f21fe.

[MW-13] [Sub-task, "User Personalized playlist", v1, v2, , Component2, , , 2, fedcb-12345-edcba](#) Created: 17/Oct/22 Updated: 17/Oct/22 Resolved: 17/Oct/22

Status:	Done
Project:	MusicWreck 😊
Components:	None
Affects versions:	None
Fix versions:	None

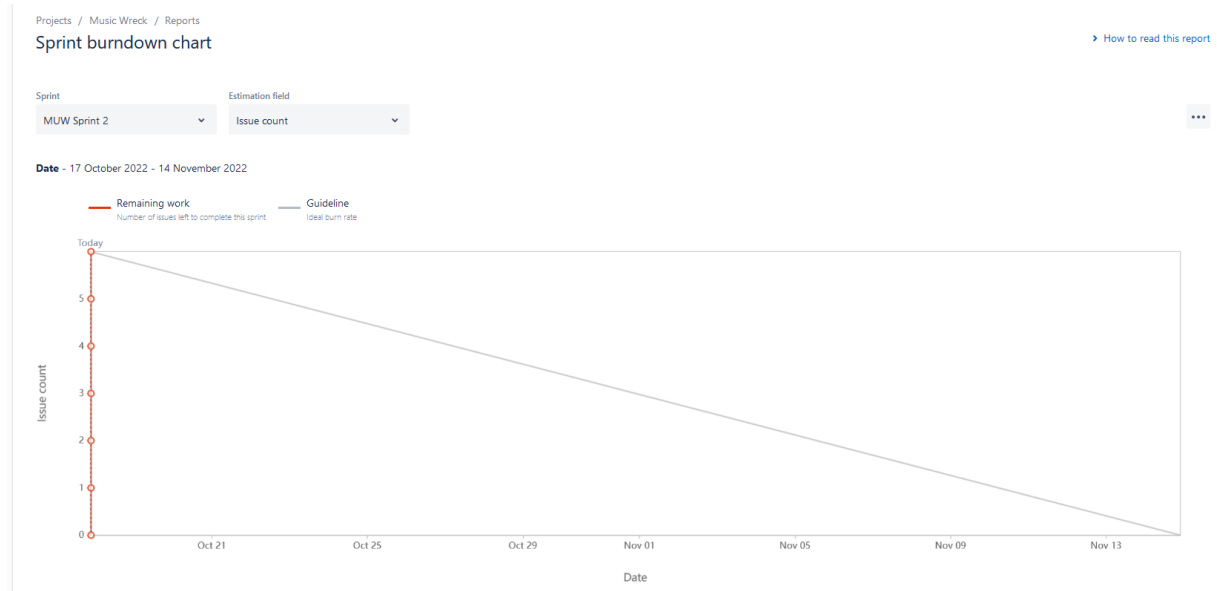
Type:	Task	Priority:	Medium
Reporter:	Richa	Assignee:	Richa
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Rank:	0 i0001j:
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Generated at Mon Oct 17 14:14:16 UTC 2022 by Richa using Jira 1001.0.0-SNAPSHOT#100209-sha1:13f5f090808485490d93be5873bdee62f39f21fe.

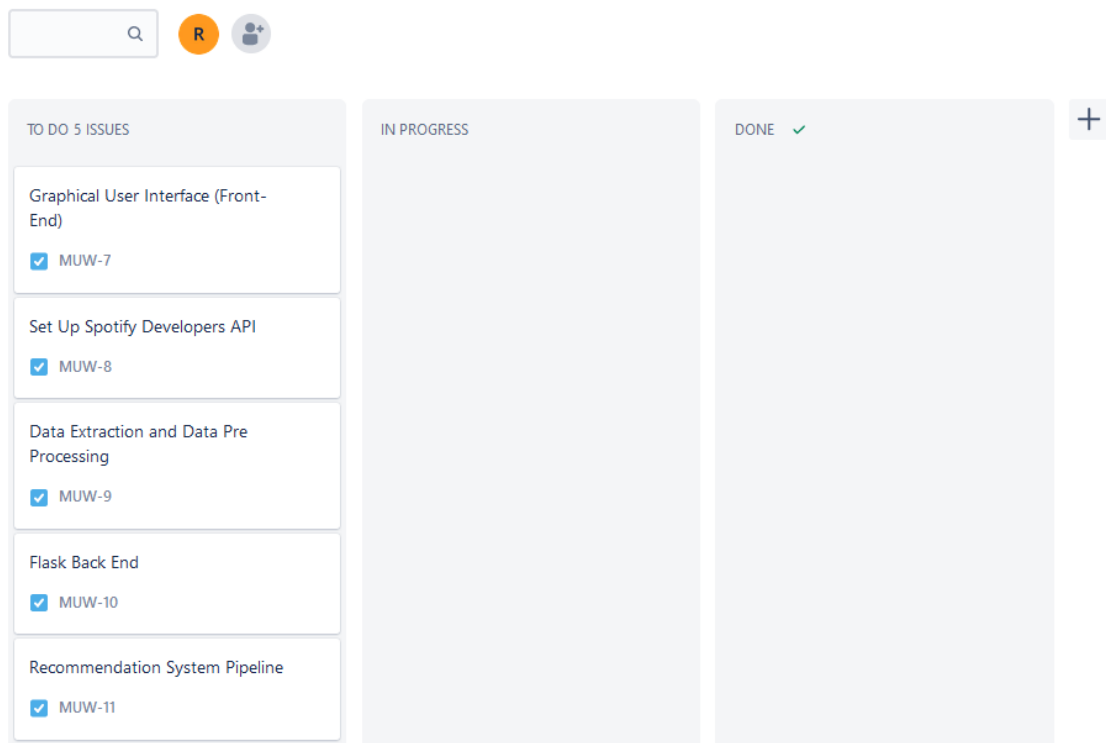
C. Sprint Report

"Sprint Report" is available in Company Managed projects, the equivalent for Team Managed projects is the "Sprint burn down chart"



Projects / Music Wreck

MUW Sprint 3



MUW Sprint 3

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TO DO

IN PROGRESS

DONE 5 ISSUES

Graphical User Interface (Front-End)

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MUW-7

Set Up Spotify Developers API

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MUW-8

Data Extraction and Data Pre Processing

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MUW-9

Flask Back End

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MUW-10

Recommendation System Pipeline

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MUW-11

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Backlog

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Epic

Insights

▼ MUW Sprint 3 17 Oct – 14 Nov (5 issues)

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Complete sprint

☒ MUW-7 Graphical User Interface (Front-End)

DONE

☒ MUW-8 Set Up Spotify Developers API

DONE

☒ MUW-9 Data Extraction and Data Pre Processing

DONE

☒ MUW-10 Flask Back End

DONE

☒ MUW-11 Recommendation System Pipeline

DONE

+ Create issue

▼ Backlog (0 issues)

0

Create sprint

Your backlog is empty.

+ Create issue

