



UE20CS303: SOFTWARE ENGINEERING

SOFTWARE REQUIREMENTS SPECIFICATION

MusicWreck

VERSION 1.0

Prepared By-

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[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.

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[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.

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[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		

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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

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[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		

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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.

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[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

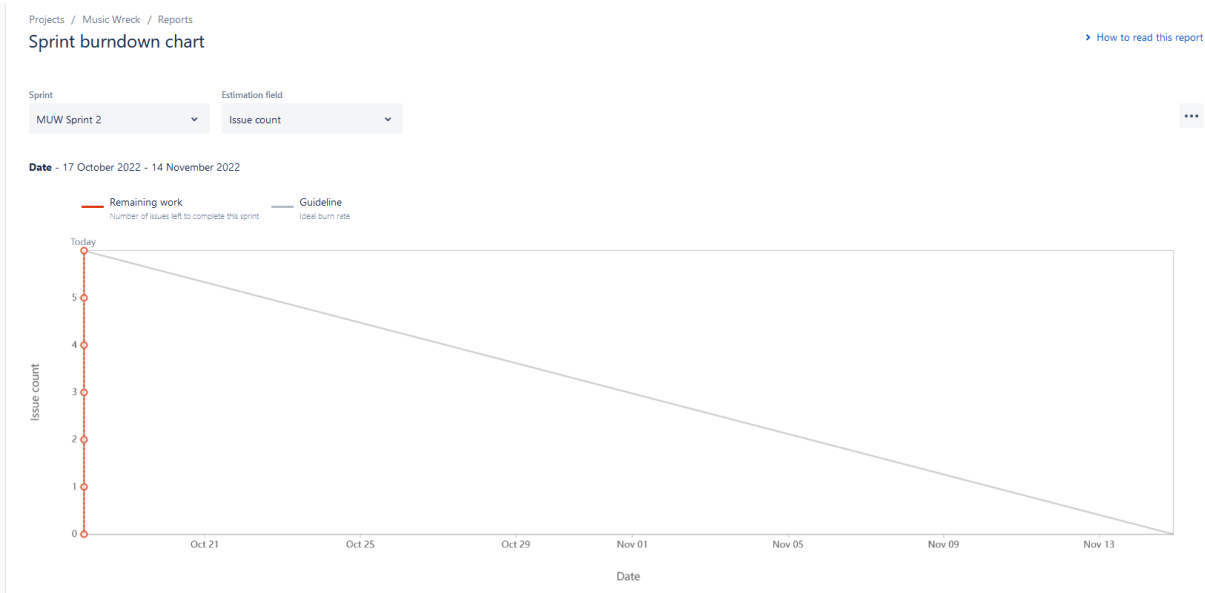
Type:	Task	Priority:	Medium
Reporter:	Richa	Assignee:	Richa
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

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Exploring Sprint with JIRA

"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

R + People

TO DO 5 ISSUES

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

Set Up Spotify Developers API
☒ MUW-8

Data Extraction and Data Pre Processing
☒ MUW-9

Flask Back End
☒ MUW-10

Recommendation System Pipeline
☒ MUW-11

IN PROGRESS

DONE ☒

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

