

# Design Inspection, Code Inspection, Unit Testing

## Team 15 - *Beefed Up Music Scheduler*

### Team members

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Severity 1

Severity 2

Severity 3

## Design Inspection Defect Log

<b>Product</b>	Music Home GUI		
<b>Date</b>	03/3/2016		
<b>Author</b>	Beefed Up Music Scheduler Team		
<b>Moderator</b>	Rachel Gully		
<b>Inspectors</b>	William Vanschaik, Joey Imburgia, Santiago Abondano, Rachel Gully, Gaurav Srivastava		
<b>Recorder</b>			
<u><b>Defect #</b></u>	<u><b>Description</b></u>	<u><b>Severity</b></u>	<u><b>How Corrected</b></u>
1	frame was not displayed when program was run	1	set frame to visible and assigned the frame a size
2	Cannot cancel choose directory, constantly reopens and forces you to change a directory each time.	2	Allow canceling of the directory chooser, just ensure a user selects a song before playing.
3	GUI stretches and the layout is not constant, buttons disappear when	2	Set the layout to BorderLayout and set a minimum size for the application.

	the music player is too small.		Therefore there will never be disappearing buttons.
4	Button look and feel changes when setting a music directory.	3	Set the look and feel initially at the start of the application. So all of the look and feel of the entire application is static.
5	JLists size changes according to length of song string name	3	Change to the constant length that could accommodate all lengths so it looks better
6	Select Directory is redundant when directory is already selected.	3	Add select directory button to the toolbar, no longer needing to show the button on the UI.
7	buttons are not aligned in a organized manner	3	change layout type and add the buttons to the panel in an organized manner

<b>Product</b>	Playing song using commandline		
<b>Date</b>	03/3/2016		
<b>Author</b>	Beefed Up Music Scheduler Team		
<b>Moderator</b>	Rachel Gully		
<b>Inspectors</b>	William Vanschaik, Joey Imburgia, Santiago Abondano, Rachel Gully, Gaurav Srivastava		
<b>Recorder</b>	Joey Imburgia		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Help command, does not allow you to change directory, if you select an incorrect directory you cannot change it.	1	Implement this feature to allow developer to test the directory functionality of the command line.
2	Application hangs when song is paused then stopped.	2	Change how the stop function works so it will not try to null out an already null object.

# Code Inspection Defect Log

<b>Product</b>	Playing song using commandline		
<b>Date</b>	03/3/2016		
<b>Author</b>	Beefed Up Music Scheduler Team		
<b>Moderator</b>	Rachel Gully		
<b>Inspectors</b>	William Vanschaik, Joey Imburgia, Santiago Abondano, Rachel Gully,Gaurav Srivastava		
<b>Recorder</b>	Joey Imburgia		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Null pointer exception when pausing the song. Application crashes.	1	When setting the player equal to null we must use a different method to determine if the song has stopped.

<b>Product</b>	Creating new playlist folder		
<b>Date</b>	03/3/2016		
<b>Author</b>	Beefed Up Music Scheduler Team		
<b>Moderator</b>	Rachel Gully		
<b>Inspectors</b>	William Vanschaik, Joey Imburgia, Santiago Abondano, Rachel Gully,Gaurav Srivastava		
<b>Recorder</b>	William VanSchaik		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	program does not copy songs to new playlist folder	1	add a check to see if the song is present in the folder and copy if it does not exist
2	playlist name can be anything which can cause an invalid folder name	3	filter playlist names so that they will be valid folder names

<b>Product</b>	Load playlist from folder		
<b>Date</b>	03/3/2016		
<b>Author</b>	Beefed Up Music Scheduler Team		
<b>Moderator</b>	Rachel Gully		
<b>Inspectors</b>	William Vanschaik, Joey Imburgia, Santiago Abondano, Rachel Gully,Gaurav Srivastava		
<b>Recorder</b>	William VanSchaik		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Playlist name not playing next song correctly	2	use threads to notify when the next song must be played
2	playlist loads all files in folder not just valid songs	3	add a check to restrict file types to allowed formats

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<b>Date</b>	03/3/2016		
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<b>Moderator</b>	Rachel Gully		
<b>Inspectors</b>	William Vanschaik, Joey Imburgia, Santiago Abondano, Rachel Gully,Gaurav Srivastava		
<b>Recorder</b>	Wiiliam VanSchaik		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Hardcoded values for layout, this isn't efficient for different computer resolutions.	3	Use borderlayout instead of grid grab bag.

# Unit Testing Defect Log

<b>Product</b>	Music Playing Capabilities		
<b>Date</b>	03/3/2016		
<b>Author</b>	Joey Imburgia		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Playing a very long song (greater than 30 minutes), there is a severe delay upon starting the song.	2	Prevent the user for playing a song larger than 20 minutes. Display an error message.

<b>Product</b>	Song Folder Browsing		
<b>Date</b>	03/3/2016		
<b>Author</b>	Joey Imburgia		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Create a folder named with appended with .mp3 inside a of a directory. It thinks the folder is a song.	1	Look inside a directory for only files, check all files inside of the directory to see if its a directory.
2	If song is not an mp3 file it would not show it	1	Give warning when adding mp3 files saying it is not accepted

<b>Product</b>	Scheduled song or playlist		
<b>Date</b>	03/3/2016		
<b>Author</b>	William VanSchaik		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Can only schedule 1 song at one time	2	Change the text file to allow this
2	Scheduling two songs at once causes the first one to be cut off	3	Make scheduled songs wait until current scheduled song is finished playing
3	Can schedule dates in the past that will never play	3	Add validation to scheduled times

4	Does not delete past scheduled songs	3	scans text file and removes lines that have already been completed
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<b>Product</b>	Alarm		
<b>Date</b>	03/3/2016		
<b>Author</b>	Santiago Abondano		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	After the alarm is done the alarm wont be scheduled again	2	Add a check to see if it's a repeatable alarm
2	After snooze the alarm won't sound again	1	Create new alarm with the snooze time interval and schedule again

<b>Product</b>	Volume		
<b>Date</b>	03/3/2016		
<b>Author</b>	Rachel Gully		
<b><u>Defect #</u></b>	<b><u>Description</u></b>	<b><u>Severity</u></b>	<b><u>How Corrected</u></b>
1	Master volume does not change upon updating the slider value. Upon debugging, the function that returns the master volume is actually returning null.	2	Make sure the name of the output volume line that is being searched for is correct. Searched for a line name of "SPEAKER" instead of "MASTER".