Team 15 - *Beefed Up Music Scheduler*

TEST PLAN

Team members

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KEY:

A: Identification — Severity Level 1

B: Instructions — Severity Level 2

C: Expected Result — Severity Level 3

Backlog ID	Functional Requirement	Hours	
1	As a user, I would like to play a song.	2	
Test Cases		Severity Level	Type
1	A: Play a Song B: Double click a song title from the list of songs C: Able to hear the song clicked	1	Functionality
2	A: View Song List B: Click on “View Song List” button C: Able to see the songs that can be played in an organized format. Must be able to see songs added by the user.	2	Functionality
3	A: Play a only Specific Song.	2	Equivalence class

	B: Double click on the specific song. C: That song is only played.		
4	A: Handling the Ending of a Song B: Play a specific song. C: When the song stops playing there is just silence, or the next song in the queue is played.	2	Boundary
5	A: Accurate Title and Seek Slider B: Double click on the specific song. C: The title display will match the title of the song. The seek bar should display the correct time span based on the length of the song.	2	Functionality
2	As a user, I would like to play music from a playlist.	2	
Test Cases		Severity Level	Type
1	A: Play From a Playlist B: Double click a playlist from the list of playlists. C: First song from the playlist is played.	1	Functionality
2	A: View List of Playlists B: Click on “View Playlist Button” C: List of playlists available to the current user are visible. Must be able to see the playlists created by that user.	1	Functionality
3	A: Play only the specific Playlist. B: Double click on the specific playlist.	2	Equivalence class

	C: The songs from the selected playlist are played.		
4	A: Song handles ending correctly and switches to another song in the playlist B: Play a specific playlist. C: When the song stops playing it transitions to the next song in the playlist.	2	Boundary
3	As a user, I would like to schedule a song to play.	8	
Test Cases		Severity Level	Type
1	A: Schedule a Song B: Create a new Google Calendar event in the "Schedule a Song" menu with song name and time information. C: Song will play at the time and date specified	1	Functionality
2	A: Testing the scheduled time to see if the song plays. B: Schedule a song, and wait until the time the scheduled song is supposed to start to play. C: The scheduled song begins to play on the scheduled time after the current song is done playing.	1	Equivalence class
3	A: Try to schedule a song in the past B: Press schedule a song on a date or time that has already happened. C: Throw an error telling the user that this is not possible because it has already happened.	3	Boundary
4	A: Try to schedule a song on an already scheduled time.	3	Boundary

	B: Schedule two songs in the same time slot. C: Prompt user they cannot schedule the song at this time, and ask them to reschedule one of the twos songs.		
3	A: Playing a Scheduled Song That Was Removed B: Schedule a song to play, then delete the song. C: When the schedule time occurs, an error message will appear: “Song scheduled to play no longer exists.”	2	Functionality
4	As a user , I would like to schedule a playlist to play.	4	
Test Cases		Severity Level	Type
1	A: Schedule a Playlist B: Create a new Google Calendar event in the “Schedule a Playlist” menu with playlist name and time information. C: The shuffled playlist starts to play at the time specified	1	Functionality
2	A: Schedule a Playlist in the Past B: Create a new Google Calendar event in the “Schedule a Playlist” menu with playlist name and time information, which consists of a time and date from the past. C: An error box pops up with this message: “Cannot schedule playlist in the past”.	3	Boundry
3	A: Double Book a Timeslot B: Schedule two items in the same time slot.	3	Boundry

	C: Prompt user they cannot schedule the playlist at this time, and ask them to reschedule one of the twos items.		
5	As a user, I would like to create a playlist	2	
Test Cases		Severity Level	Type
1	A: Creating a Playlist B: Press the “Create a Playlist” button to add give a new playlist a name. Select the songs you would like to add to the playlist. C: A newly generated playlist with a name and at least one song included in the list.	1	Functionality
2	A: Create Playlists With an Existing Name B: Create a playlist, and then create another playlist with the exact same name. C: It should not allow this and tell the user there is already a playlist with this name.	3	Boundary
6	As a user, I would like to pause a song.	6	
Test Cases		Severity Level	Type
1	A: Pause a Song B: Click the “Pause Song” button C: The song stops playing. The seek slider should stop moving and rest at the location of the pause.	1	Functionality
2	A: Change Songs While a Song is Paused B: While the current song is paused, double click on a different song or playlist.	2	Functionality

	C: A new song should play from the beginning.		
3	A: Continuing Playback B: Press the “Play” button on a paused song. C: Song should resume where the current song left off.	2	Functionality
7	As a user, I would like to seek through a song.	6	
Test Cases		Severity Level	Type
1	A: Seeking Through a Song (Forward) B: While a song is playing, drag the seekbar forward, and release the seekbar. C: The song now plays from a location ahead of the original playing point.	1	Functionality
2	A: Seeking Through a Song (Rewind) B: While a song is playing, drag the seekbar backward, and release the seekbar. C: The song now plays from a location before the original playing point.	1	Functionality
3	A: Hold Slider in Place B: Highlight and hold slider C: Song should continue to play without seeking through the song.	3	Boundary value
8	As a user, I would like to snooze the alarm.	2	
Test Cases		Severity Level	Type
1	A: Snooze Button Appears During an Alarm	1	Functionality

	B: Set up an alarm and wait until the alarm sets off. C: A snooze button appears.		
2	A: Snoozing an Alarm B: When an alarm sets off, click on the “Snooze” button. C: Alarm stops and starts again after the set snooze time.	1	Functionality
9	As a user, I would like to remove a song from a playlist.	2	
Test Cases		Severity Level	Type
1	A: Remove a Song From a Playlist B: Open the playlist in question, right click on the song to be removed. In the menu, click “remove from playlist”. C: The selected song should no longer exist in the Playlist in question.	1	Functionality
2	A: Play Removed Song B: Play a playlist that recently had a song removed from it. C: The playlist will not play the removed song.	1	Equivalence class
10	As a user, I would like to blacklist a song.	2	
Test Cases		Severity Level	Type
1	A: Blacklist song B: Click the dislike button at a song	2	Functionality

	C: Should not play that song in the future		
2	A: Attempt to play a blacklisted song B: Try to play a song you have blacklisted. C: Offer to unblacklist the song	2	Functionality
11	As a user, I would like to login to spotify.	6	
Test Cases		Severity Level	Type
1	A: Login to spotify B: Click the login to spotify button C: Should show a window to enter spotify credentials	1	Functionality
2	A: Enter Wrong Credentials B: Enter invalid username and password C: Should show error message	1	Boundary Value
3	A: Enter Correct Credentials B: Enter valid username and password C: Should show message that login was successful and populates the list songs and playlist from spotify to the app	1	Functionality
4	A: Sign up to spotify from login window B: Open login window, and click create new account from the spotify login window. C: Open up spotify's create account window	3	Functionality
12	As a user, I would like to log out of spotify.	2	

Test Cases		Severity Level	Type
1	A: Log out of Spotify B: Open the settings menu. Click on the accounts tab. Click the “logout” button under the Spotify section. C: The user’s spotify account information should no longer be present in the application.	1	Functionality
2	A: User should not be able to log out of spotify if not logged in. B: Look for logout button when not logged in. C: User should not be able to see logout button.	3	Boundary
13	As a user, I would like to connect to my google calendar	5	
Test Cases		Severity Level	Type
1	A: Login to google calendar B: Click on login to google calendar button from settings C: Should show a window to enter your google account credentials	1	Functionality
2	A: Enter Wrong Credentials B: Enter invalid username and password C: Should show error message	1	Boundary
3	A: Enter Correct Credentials B: Enter valid username and password	1	Functionality

	C: Should show message that login was successful and should show your calendar information from google calendar		
14	As a user, I would like to control the volume directly from the application.	8	
Test Cases		Severity Level	Type
1	A: Set volume percentage B: User has opened the application. User then moves the slider bar to desired percentage. The user then plays a song to check volume. C: Song plays at the correct volume	1	Functionality
2	A: Set volume percentage while playing B: User has opened the application. Next the user plays a song. The user then moves the slider bar to desired percentage. C: Songs volume changes to desired loudness and continues playing.	2	Functionality
3	A: Set volume percentage to zero B: Drag the slider all the way to the left. C: The music should no longer be able to be heard.	2	Boundary
15	As a user, I would like to minimize the application and run it in the background.	6	
Test Cases		Severity Level	Type
1	A: Minimize - Song B: User make sure the application is open and plays a song. User then minimizes the application.	1	Functionality

	C: Song continues to play in the background		
2	A: Minimize - Playlist B: User make sure the application is open and selects a playlist. Next the user plays the playlist. User then minimizes the application. C: Playlist continues to play and moves to the next songs.	2	Equivalence
3	A: Minimize then restore B: User make sure the application is open and selects a song or playlist. Next the user plays the playlist. User then minimizes the application. after waiting for a short period of time the user then restores the window. C: Playlist or song continues to play and moves to the next songs.	2	Boundary
16	As a user, I would like to select a custom alarm sound.	2	
Test Cases		Severity Level	Type
1	A: Custom alarm sounds B: Under alarm settings, in “Alarm sounds” drop down, select a sound. C: When alarm is triggered, the selected sound plays.	3	Functionality
2	A: Custom alarm sounds B: Under alarm settings, in “Alarm sounds” drop down, select a add a sound. Select a song from library.	3	Functionality

	C: When alarm is triggered, the selected sound plays.		
17	As a user, I would like to like to customize the length of my snooze.	2	
Test Cases		Severity Level	Type
1	A: Length of Snooze B: Under alarm settings, in “Snooze Length” text field, enter a number 1 -59. C: The length between snoozes is the number entered in minutes.	2	Functionality
2	A: Length of Snooze under limit B: Under alarm settings, in “Snooze Length” text field, enter a number < 1 C: Popup box appears saying “Snooze input has to be > = 1, or <= 59	2	Boundary
3	A: Length of Snooze over limit B: Under alarm settings, in “Snooze Length” text field, enter a number > 59 C: Popup box appears saying “Snooze input has to be > = 1, or <= 59	2	Boundary
18	As a user, I would like to schedule a song based on a Google Calendar event.	6	
Test Cases		Severity Level	Type
1	A: Google Calendar event B: User clicks a calendar event. Then the user selects a song to play at the reminder time through the library..Next the user confirms this choice.	1	Functionality

	C: Song plays at correct reminder time		
2	A: Remove Google Calendar event B:A reminder song already exists. The user clicks a calendar event. Then the user clicks the delete option. C:No sound is played at the event time	2	Functionality
3	A: Edit Google Calendar event B:A reminder song already exists. The user clicks a calendar event. Then the user changes the selected song by selecting a new song from the library. C: The reminder plays at the correct time with the new song.	3	Equivalence
4	A: Try to schedule a song when not logged into Google Calendar. B: Try to press schedule C: Begin login process of Google Calendar.	3	Boundary
19	As a user, I would like to my Beefed up music schedule to be a startup service.	4	
Test Cases		Severity Level	Type
1	A: Add Startup service B: User selects settings menu in program. Next user selects the run at startup option. C: Beefed up music schedule runs at following system startups	1	Functionality
2	A: Remove Startup service	1	Functionality

	B: Program is already added as a startup service. User selects settings menu in program. Next user deselects the run at startup option. C: Beefed up music schedule does not run on following system starts		
3	A: Test Startup service B: Restart computer. C: Test to see if the application does run on startup.	2	Functionality