Worship Tracker User Documentation

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Increment 6 Revisions

The following pages were changed:

Page 5- Explains which options on the Main Menu are active.

The following pages were added:

Page – Explains the process of adding a schedule.

Page – Explains the process of deleting a schedule.

Page – Explains the process of changing a schedule.

Page – Explains the process of selecting a schedule.

Increment 5 Revisions

The following pages were changed:

Page 5- Explains which options on the Member menu are active.

Page 7- Explains which options on the Role menu are active.

Page 9- Explains which options on the Song menu are active.

Page 11- Explains how to change a Song Title.

The following pages were added:

Page 7- Explains the process of selecting a Member.

Page 9- Explains the process of selecting a Role.

Page 11- Explains the process of selecting a Song.

Increment 4 Revisions

The following pages were changed:

Page 4- Explains which options on the Member menu are active

Page 4- Explains which options on the Role menu are active

Page 4- Explains which options on the Song menu are active

The following pages were added:

Page 5- Explains the process of changing a Member.

Page 5- Explains the process of changing a Role.

Page 5- Explains the process of changing a Song.

Increment 3 Revisions

The following pages were changed:

Page 3- Explains which options on the main menu are active.

Page 4- Displays the main menu.

The following pages were added:

Page 7- Displays and explains the Songs Menu options.

Page7- Explains the process of adding a new song.

Page 7- Explains the process of deleting a song.

Page 7- Displays and explains the Songs Menu options.

Increment 2 Revisions

The following pages were changed:

Page 3- Explains which options on the main menu are active.

The following pages were added:

Page 4 – Displays and explains the Members Menu options.

Page 5- Explains the process of deleting a member.

Page 5- Displays and explains the Roles Menu options.

Page 6- Explains the process of adding a new role.

Page 6- Explains the process of deleting a role.

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Application Overview

This application tracks worship members, songs, roles, and schedules for Real Life Church’s Sodo Campus. So far, users can only add members. Start the application by double clicking the worship\_tracker.jar file installed as part of the installation process. Open the Installation document for Increment 1 and follow the directions there if you have not already done so. The following menu is displayed when the application first starts.

|  |
| --- |
| Welcome to the Worship Tracker App! |
| MAIN MENU |
| Choose from the options below: |
| 1. Members |
| 1. Roles |
| 1. Songs |
| 1. Schedule |
| 1. Exit |

The Members Menu Option

From the Main Menu, select option 1 to add a member or delete a member. The following menu is displayed when option 1 is selected.

|  |
| --- |
| MEMBER MENU |
| Choose from the options below: |
| 1. Add Member |
| 1. Delete Member |
| 1. Change Member |
| 1. Select Member |
| 1. Exit to Main Menu |

Add Member

Select option 1 from this menu to add a member to the database. You will be prompted to enter data for a new member. Below are the fields, required values, and error messages.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Member\_ID | Required. Enter a unique integer identifying this member. | Value must be > 0. Please reenter. |
| Last Name | Required. Enter the new member’s last name. | Invalid Entry. Please reenter. |
| First Name | Required. Enter the new member’s first name. | Invalid Entry. Please reenter. |
| Address | Required. | Invalid Entry. Please reenter. |
| City | Required. | Invalid Entry. Please reenter. |
| Phone | Required. | Value must be 7 digits. Please reenter. |
| Role | Required. | Value must be greater than 0. Please reenter. |

The application will prompt you to enter data for each field. An error message, as indicated above, will be displayed if invalid data is entered. The application will display “New Member added!” after the last piece of valid data is entered and the member was added to the database.

Delete Member

Select option 2 from this menu to delete a member from the database. A list of the current members and their information will be displayed to make it easier to make your selection. You will be prompted to enter the Member ID for the member you wish to delete. The application will check to make sure the member you wish to delete exists in the database by matching the Member ID you enter to the one in the database. If no match is found the following error message will be displayed: “That Member was not found.”

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Member\_ID | Required. Enter a unique integer identifying this member. | That Member was not found. Please reenter. |

The application will display “Member deleted!” when the member is deleted from the database.

Change Member

Select option 3 from the Member menu to change the member data in the database. You will be prompted to enter the Member ID number for the member you wish to change. The application will check to make sure the member you wish to change exists in the database by matching the ID you entered to one in the database. If no match is found, the following error message will be displayed: “That member was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Member\_ID | Required. Enter a unique integer identifying this member. | That Member was not found. |

Once a valid ID is entered, you will be prompted to change each piece of data. The application will display the current value for the field. You can then hit the enter key to skip the entry of new data for that field or you can enter a new value for that field. The edits and error messages for changing member data are the same as those for adding a new member and are displayed in the “Add a Member” section of this document. Below is a sample prompt for the member first name field:

Current First Name is John. Enter new First Name or Enter key to skip.

Select Member

Select option 4 from the Member menu to look up a member in the database. You will be prompted to enter the Member ID number for the member you wish to display. The application will check to make sure the member you wish to display exist in the database by matching the ID you entered to one in the database. If no match is found the following error message will be displayed: “That Member was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Member\_ID | Required. Enter a unique integer identifying this member. | That Member was not found. |

The application will display all the data for that member when found in the database. An example is provided below for a member with an ID of 1.

1

Ramsey, Daniel

1840 South Eola Drive, Orlando, 4024355

1

The Roles Menu Option

From the Main Menu, select option 2 to add a role or delete a role. The following menu is displayed when option 2 is selected.

|  |
| --- |
| ROLE MENU |
| Choose from the options below: |
| 1. Add Role |
| 1. Delete Role |
| 1. Change Role |
| 1. Select Role |
| 1. Exit to Main Menu |

Add Role

Select option 1 from this menu to add a role to the database. You will be prompted to enter data for a new role. Below are the fields, required values, and error messages.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Role\_ID | Required. | Invalid Entry. Value must be greater than 0. Please reenter |
| Description | Required. Enter the new role’s description. | Invalid Entry. Please reenter |
| Start\_Date | Required. Enter the new role’s start date. | Can’t leave this blank. |
| End\_Date | Not Required. Can be null. | Can’t leave this blank. |

The application will prompt you to enter data for each field. An error message, as indicated above, will be displayed if invalid data is entered. The application will display “New Role added!” after the last piece of valid data is entered and the role was added to the database.

Delete Role

Select option 2 from this menu to delete a role from the database. A list of the current roles and their information will be displayed to make it easier to make your selection. You will be prompted to enter the Role ID for the role you wish to delete. The application will check to make sure the role you wish to delete exists in the database by matching the Role ID you enter to the one in the database. If no match is found the following error message will be displayed: “That Role was not found.”

\*NOTE: If a role is deleted, all members assigned to that role will also be deleted.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Role\_ID | Required. Enter a unique integer identifying this role. | That Role was not found. Please reenter. |

Change Role

Select option 3 from the Role menu to change the role data in the database. You will be prompted to enter the Role ID number for the role you wish to change. The application will check to make sure the role you wish to change exists in the database by matching the ID you entered to one in the database. If no match is found, the following error message will be displayed: “That Role was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Role\_ID | Required. Enter a unique integer identifying this role. | That Role was not found. |

Once a valid ID is entered, you will be prompted to change each piece of data. The application will display the current value for the field. You can then hit the enter key to skip the entry of new data for that field or you can enter a new value for that field. The edits and error messages for changing role data are the same as those for adding a new role and are displayed in the “Add a Role” section of this document. Below is a sample prompt for the role Description field:

Current Description is Drums. Enter new Description or Enter key to skip.

Select Role

Select option 4 from the Role menu to look up a role in the database. You will be prompted to enter the Role ID number for the role you wish to display. The application will check to make sure the role you wish to display exist in the database by matching the ID you entered to one in the database. If no match is found the following error message will be displayed: “That Role was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Role\_ID | Required. Enter a unique integer identifying this role. | That Role was not found. |

The application will display all the data for that role when found in the database. An example is provided below for a role with an ID of 6.

6

Keys

2022-01-01, null

The Songs Menu Option

From the Main Menu, select option 3 to add a song or delete a song. The following menu is displayed when option 3 is selected.

|  |
| --- |
| SONG MENU |
| Choose from the options below: |
| 1. Add Song |
| 1. Delete Song |
| 1. Change Song |
| 1. Select Song |
| 1. Exit to Main Menu |

Add Song

Select option 1 from this menu to add a song to the database. You will be prompted to enter data for a new song. Below are the fields, required values, and error messages.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Song \_Title | Required. Enter the new song’s title. | Invalid Entry. Please reenter |
| Composer | Required. Enter the new song’s composer. | Invalid Entry. Please reenter |
| Song\_Key | Required. Enter the new song’s key. | Invalid Entry. Please reenter |
| Length | Required. Cannot be null. | Value must be greater than 0. Please reenter |

The application will prompt you to enter data for each field. An error message, as indicated above, will be displayed if invalid data is entered. The application will display “New Song added!” after the last piece of valid data is entered and the song was added to the database.

Delete Song

Select option 2 from this menu to delete a song from the database. A list of the current songs and their information will be displayed to make it easier to make your selection. You will be prompted to enter the Song\_Title for the song you wish to delete. The application will check to make sure the song you wish to delete exists in the database by matching the Song\_Title you enter to the one in the database. If no match is found the following error message will be displayed: “That Song was not found.”

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Song\_Title | Required. Enter the unique Song Title identifying this song. | That Song was not found. Please reenter. |

Change Song

Select option 3 from the Song menu to change the song data in the database. You will be prompted to enter the Song Title for the song you wish to change. The application will check to make sure the song you wish to change exists in the database by matching the Title you entered to one in the database. If no match is found, the following error message will be displayed: “That Song was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Song\_Title | Required. Enter the unique Song Title identifying this song. | That Song was not found. |

Once a valid Title is entered, you will be prompted to change each piece of data. The application will display the current value for the field. You can then hit the enter key to skip the entry of new data for that field or you can enter a new value for that field. The edits and error messages for changing song data are the same as those for adding a new song and are displayed in the “Add a Song” section of this document. Below is a sample prompt for the Song Title field:

Current Song\_Title is Won’t Stop Now. Enter new Song\_Title or Enter key to skip.

\*\*\*You cannot change a Song Title. To do so, delete the song and then add it from the Add Song option.

Select Song

Select option 4 from the Song menu to look up a song in the database. You will be prompted to enter the Song Title for the song you wish to display. The application will check to make sure the song you wish to display exist in the database by matching the Title you entered to one in the database. If no match is found the following error message will be displayed: “That Song was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Song\_Title | Required. Enter the unique Song Title identifying this song. | That Song was not found. |

The application will display all the data for that role when found in the database. An example is provided below for a role with a Title of “Every Victory”.

Every Victory

Danny Gokey

D, 4.0

0

The Schedule Menu Option

From the Main Menu, select option 4 to add a schedule or delete a song. The following menu is displayed when option 4 is selected.

|  |
| --- |
| SCHEDULE MENU |
| Choose from the options below: |
| 1. Add Schedule |
| 1. Delete Schedule |
| 1. Change Schedule |
| 1. Select Schedule |
| 1. Exit to Main Menu |

Add Schedule

Select option 1 from this menu to add a schedule to the database. You will be prompted to enter data for a new schedule. Below are the fields, required values, and error messages.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Worship\_Date | Required. Enter a valid date | Invalid Format. Please try again.  Can’t leave this blank |
| Song\_Title | Required. Enter a valid song title. | Invalid Entry. Please reenter.  That Song was not found. |
| Member\_ID | Required. Enter a valid Member\_ID | Invalid Entry. Please reenter.  That Member was not found. |
| Role\_ID | Required. Cannot be null. | Value must be greater than 0. Please reenter.  That Role was not found. |

The application will prompt you to enter data for each field. An error message, as indicated above, will be displayed if invalid data is entered. The application will display “New Schedule added!” after the last piece of valid data is entered and the schedule was added to the database.

Delete Schedule

Select option 2 from this menu to delete a schedule from the database. You will be prompted to enter the Worship\_Date for the schedule you wish to delete. The application will check to make sure the schedule you wish to delete exists in the database by matching the Worship\_Date you enter to the one in the database. If no match is found the following error message will be displayed: “That   
Worship Date was not found.”

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Worship\_Date | Required. Enter a valid date in the proper format. | That Worship Date was not found. |

Change Schedule

Select option 3 from the Schedule menu to change the schedule data in the database. You will be prompted to enter the Worship Date for the schedule you wish to change. The application will check to make sure the schedule you wish to change exists in the database by matching the Date you entered to one in the database. If no match is found, the following error message will be displayed: “That Worship Date was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Worship\_Date | Required. Enter a valid date in the proper format. | That Worship Date was not found. |

Once a valid Date is entered, you will be prompted to change each piece of data. The application will display the current value for the field. You can then hit the enter key to skip the entry of new data for that field or you can enter a new value for that field. The edits and error messages for changing schedule data are the same as those for adding a new song and are displayed in the “Add a Song” section of this document. Below is a sample prompt for the Song Title field:

Current Song\_Title is Won’t Stop Now. Enter new Song\_Title or Enter key to skip.

\*\*\*When asked for the Schedule\_ID, enter from the list provided. If an ID is entered that exists but is not listed above, you will change an ID that is not on the intended date.

Select Schedule

Select option 4 from the Schedule menu to look up a schedule in the database. You will be prompted to enter the Worship\_Date for the schedule you wish to display. The application will check to make sure the schedule you wish to display exist in the database by matching the Date you entered to one in the database. If no match is found the following error message will be displayed: “That Worship Date was not found”.

|  |  |  |
| --- | --- | --- |
| Field | Description | Error Messages |
| Worship\_Date | Required. Enter a valid date in the proper format. | That Worship Date was not found. |

The application will display all the data for that Date when found in the database.

Exit the App

The user will then be directed back to the main menu where they can either add another member or exit the application. When choosing to exit the application, the message “Thanks for using the Worship Tracker App!” will be displayed.