run:

Enter A: Part 2(Linked list) Enter B: Part 3(BST) Enter C: Test all parts Q: QUIT

A

Do u wish to A: Add A song to the list B: Search a song by title, C: Search songs by genre, D: Search songs by artist, E: Display all songs, or Q: Return to main menu

A

Enter song id

1

Enter song title

Sofia

Enter artist name

Clairo

Enter track length in seconds

200

Enter composer name

Lauren

Enter date in format: 00 Month 0000

30 August 2000

Enter album name

Immunity

Enter genre

Indie

Added new song:Track ID: 1, Track title: Sofia, Artist Name: Clairo, Track Length: 200s, Composer Name: Lauren, Release Date: 30 August 2000, Album Name: Immunity, Genre: Indie

Do u wish to A: Add A song to the list B: Search a song by title, C: Search songs by genre, D: Search songs by artist, E: Display all songs, or Q: Return to main menu

b

Enter title to search by

Sofia

Found song with title name Sofia:

Track ID: 1, Track title: Sofia, Artist Name: Clairo, Track Length: 200s, Composer Name: Lauren, Release Date: 30 August 2000, Album Name: Immunity, Genre: Indie

Do u wish to A: Add A song to the list B: Search a song by title, C: Search songs by genre, D: Search songs by artist, E: Display all songs, or Q: Return to main menu

c

Enter Genre to search by

Indie

Track ID: 1, Track title: Sofia, Artist Name: Clairo, Track Length: 200s, Composer Name: Lauren, Release Date: 30 August 2000, Album Name: Immunity, Genre: Indie

Found 1 songs with Indie genre

Do u wish to A: Add A song to the list B: Search a song by title, C: Search songs by genre, D: Search songs by artist, E: Display all songs, or Q: Return to main menu

D

Enter artist to search by

Clairo

Found song with artist name Clairo:

Track ID: 1, Track title: Sofia, Artist Name: Clairo, Track Length: 200s, Composer Name: Lauren, Release Date: 30 August 2000, Album Name: Immunity, Genre: Indie

Do u wish to A: Add A song to the list B: Search a song by title, C: Search songs by genre, D: Search songs by artist, E: Display all songs, or Q: Return to main menu

E

Printing list

Track ID: 1, Track title: Sofia, Artist Name: Clairo, Track Length: 200s, Composer Name: Lauren, Release Date: 30 August 2000, Album Name: Immunity, Genre: Indie

Do u wish to A: Add A song to the list B: Search a song by title, C: Search songs by genre, D: Search songs by artist, E: Display all songs, or Q: Return to main menu

q

Enter A: Part 2(Linked list) Enter B: Part 3(BST) Enter C: Test all parts Q: QUIT

B

Do u wish to A: Show songs in ascending artist order, or Q: Return to main menu

a

Track ID: 9, Track title: Ladbroke Grove, Artist Name: AJ Tracey, Track Length: 190s, Composer Name: AJ, Release Date: 22 June 2017, Album Name: Ladbroke, Genre: Rap

Track ID: 8, Track title: Sorry, Artist Name: Beyonce, Track Length: 250s, Composer Name: Bey, Release Date: 24 July 2017, Album Name: Lemonade, Genre: Pop

Track ID: 2, Track title: Bleach, Artist Name: Brockhampton, Track Length: 200s, Composer Name: Steve, Release Date: 21 July 2017, Album Name: Saturation, Genre: Rap

Track ID: 3, Track title: Redbone, Artist Name: Childish Gambino, Track Length: 230s, Composer Name: Ray Jones, Release Date: 02 April 2016, Album Name: Awaken My Love, Genre: Rap

Track ID: 12, Track title: Sofia, Artist Name: Clairo, Track Length: 210s, Composer Name: Lauren Coyle, Release Date: 26 June 2019, Album Name: Immunity, Genre: Indie

Track ID: 4, Track title: And I Love You So, Artist Name: Don Mclean, Track Length: 230s, Composer Name: Jerry, Release Date: 04 January 1970, Album Name: Tapestry, Genre: Classical

Track ID: 6, Track title: Lost, Artist Name: Frank Ocean, Track Length: 150s, Composer Name: Frank, Release Date: 06 December 2018, Album Name: Chanel Orange, Genre: Rap

Track ID: 10, Track title: King Kunta, Artist Name: Kendrick Lamar, Track Length: 300s, Composer Name: Kendrick, Release Date: 13 May 2013, Album Name: DNA, Genre: Rap

Track ID: 1, Track title: Blue Light, Artist Name: Mazzy, Track Length: 180s, Composer Name: David, Release Date: 30 August 1993, Album Name: STTIMS, Genre: Alternative Rock

Track ID: 11, Track title: Doorman, Artist Name: Slowthai, Track Length: 200s, Composer Name: Jace, Release Date: 19 May 2018, Album Name: Ariel Pink, Genre: Rap

Track ID: 7, Track title: Nana, Artist Name: The 1975, Track Length: 200s, Composer Name: Matty, Release Date: 03 March 2010, Album Name: The 1975, Genre: Pop

Do u wish to A: Show songs in ascending artist order, or Q: Return to main menu

q

Enter A: Part 2(Linked list) Enter B: Part 3(BST) Enter C: Test all parts Q: QUIT

q

Enter A: Part 2(Linked list) Enter B: Part 3(BST) Enter C: Test all parts Q: QUIT

q

Enter A: Part 2(Linked list) Enter B: Part 3(BST) Enter C: Test all parts Q: QUIT

q

BUILD SUCCESSFUL (total time: 1 minute 40 seconds)