

Assignment 1a

```
"C:\Program Files\Java\jdk-24\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA  
Community Edition 2024.1.2\lib\idea_rt.jar=50360" -Dfile.encoding=UTF-8  
-Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath  
C:\Users\sim20\IdeaProjects\Object_Oriented_Design\Assignment_1a\out\production\Assignme  
nt_1a Test1a
```

Menu:

Name: Coffee, Price: \$2.50, Category: Beverage

Name: Blueberry Muffin, Price: \$3.99, Category: Breakfast

Name: Lemon Cake, Price: \$3.00, Category: Dessert

Order Details:

Name: Coffee, Price: \$2.50, Category: Beverage

Name: Lemon Cake, Price: \$3.00, Category: Dessert

Total Price: \$5.50

Now you can create your own cafe menu and order!

There will be three menu items in your cafe.

Enter the name of your first menu item:

poptart

Your first menu item is: poptart

Enter the price of your first menu item:

1

Your first menu item price is: \$1.00

Enter the category (type of item) of your first menu item:

food

Your first menu item category is: food

Process finished with exit code 0

Assignment 1b

```
"C:\Program Files\Java\jdk-24\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA  
Community Edition 2024.1.2\lib\idea_rt.jar=50300" -Dfile.encoding=UTF-8  
-Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath  
C:\Users\sim20\IdeaProjects\Object_Oriented_Design\Assignment_1b\out\production\Assignme  
nt_1b Test1b
```

Song added: Bohemian Rhapsody by Queen

Bohemian Rhapsody was added to your playlist titled: My Rock Hits

Song added: Stairway to Heaven by Led Zeppelin

Stairway to Heaven was added to your playlist titled: My Rock Hits

Stairway to Heaven by Led Zeppelin already exists in the My Rock Hits playlist.

Duplicate songs are not allowed in the playlist.

Stairway to Heaven was added to your playlist titled: My Rock Hits
Playing all songs in the playlist: My Rock Hits
Playing: Bohemian Rhapsody by Queen (5.55 minutes)
Playing: Stairway to Heaven by Led Zeppelin (8.02 minutes)
Song removed: Bohemian Rhapsody by Queen
Bohemian Rhapsody was removed from your playlist titled: My Rock Hits
Song removed: Stairway to Heaven by Led Zeppelin
Stairway to Heaven was removed from your playlist titled: My Rock Hits
Playlist is empty.

Playlist is empty.
Playlist deleted: Empty Playlist

Song added: Blinding Lights by The Weeknd
Blinding Lights was added to your playlist titled: My Pop Hits
Playing all songs in the playlist: My Pop Hits
Playing: Blinding Lights by The Weeknd (3.20 minutes)

Process finished with exit code 0

Assignment 1c output

```
"C:\Program Files\Java\jdk-24\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA  
Community Edition 2024.1.2\lib\idea_rt.jar=50064" -Dfile.encoding=UTF-8  
-Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath  
C:\Users\sim20\IdeaProjects\Object_Oriented_Design\Assignment_1c\out\production\Assignme  
nt_1c Test1c  
Playlist created: My Pop Hits  
Playlist created: My Rock Hits  
Playlist created: My Jazz Hits  
Adding set songs to defined playlists...
```

Song added: Blinding Lights by The Weeknd
Blinding Lights was added to your playlist titled: My Pop Hits
Song added: Bad Guy by Billie Eilish
Bad Guy was added to your playlist titled: My Pop Hits
Song added: Shape of You by Ed Sheeran
Shape of You was added to your playlist titled: My Pop Hits
Song added: Uptown Funk by Mark Ronson ft. Bruno Mars
Uptown Funk was added to your playlist titled: My Pop Hits

Song added: Rolling in the Deep by Adele
Rolling in the Deep was added to your playlist titled: My Pop Hits

Song added: Time by Pink Floyd
Time was added to your playlist titled: My Rock Hits
Song added: Heroes by David Bowie
Heroes was added to your playlist titled: My Rock Hits
Song added: Paradise City by Guns N' Roses
Paradise City was added to your playlist titled: My Rock Hits
Song added: Bad Moon Rising by Creedence Clearwater Revival
Bad Moon Rising was added to your playlist titled: My Rock Hits
Song added: Black Hole Sun by Soundgarden
Black Hole Sun was added to your playlist titled: My Rock Hits

Song added: So What by Miles Davis
So What was added to your playlist titled: My Jazz Hits
Song added: What a Wonderful World by Louis Armstrong
What a Wonderful World was added to your playlist titled: My Jazz Hits
Song added: Take Five by Dave Brubeck
Take Five was added to your playlist titled: My Jazz Hits
Song added: Body and Soul by Coleman Hawkins
Body and Soul was added to your playlist titled: My Jazz Hits
Song added: Summertime by Ella Fitzgerald and Louis Armstrong
Summertime was added to your playlist titled: My Jazz Hits

You can view all songs in your library by genre or by mood.

Please enter 'genre' to view by genre or 'mood' to view by mood:
mood

Title: Shape of You, Artist: Ed Sheeran, Duration: 4.24 minutes, Genre: Pop, Mood: happy

Title: Uptown Funk, Artist: Mark Ronson ft. Bruno Mars, Duration: 4.30 minutes, Genre: Pop,
Mood: happy

Title: Paradise City, Artist: Guns N' Roses, Duration: 6.46 minutes, Genre: Rock, Mood: happy

Title: Bad Moon Rising, Artist: Creedence Clearwater Revival, Duration: 2.21 minutes, Genre:
Rock, Mood: happy

Title: What a Wonderful World, Artist: Louis Armstrong, Duration: 2.21 minutes, Genre: Jazz,
Mood: happy

Title: Blinding Lights, Artist: The Weeknd, Duration: 3.20 minutes, Genre: Pop, Mood: sad

Title: Rolling in the Deep, Artist: Adele, Duration: 3.48 minutes, Genre: Pop, Mood: sad

Title: Time, Artist: Pink Floyd, Duration: 7.06 minutes, Genre: Rock, Mood: sad
Title: Black Hole Sun, Artist: Soundgarden, Duration: 5.18 minutes, Genre: Rock, Mood: sad
Title: Body and Soul, Artist: Coleman Hawkins, Duration: 3.00 minutes, Genre: Jazz, Mood: sad
Title: Summertime, Artist: Ella Fitzgerald and Louis Armstrong, Duration: 4.58 minutes, Genre: Jazz, Mood: sad
Title: Bad Guy, Artist: Billie Eilish, Duration: 3.14 minutes, Genre: Pop, Mood: idk
Title: Heroes, Artist: David Bowie, Duration: 6.11 minutes, Genre: Rock, Mood: idk
Title: So What, Artist: Miles Davis, Duration: 9.22 minutes, Genre: Jazz, Mood: idk
Title: Take Five, Artist: Dave Brubeck, Duration: 5.24 minutes, Genre: Jazz, Mood: idk

. You can also view all songs in your library by viewing all your playlists:

Playlist: My Pop Hits

Playing all songs in the pop playlist: My Pop Hits

Playing: Blinding Lights by The Weeknd (3.20 minutes) Genre: Pop Mood: sad

Playing: Bad Guy by Billie Eilish (3.14 minutes) Genre: Pop Mood: idk

Playing: Shape of You by Ed Sheeran (4.24 minutes) Genre: Pop Mood: happy

Playing: Uptown Funk by Mark Ronson ft. Bruno Mars (4.30 minutes) Genre: Pop Mood: happy

Playing: Rolling in the Deep by Adele (3.48 minutes) Genre: Pop Mood: sad

Playlist: My Rock Hits

Playing all songs in the rock playlist: My Rock Hits

Playing: Time by Pink Floyd (7.06 minutes) Genre: Rock Mood: sad

Playing: Heroes by David Bowie (6.11 minutes) Genre: Rock Mood: idk

Playing: Paradise City by Guns N' Roses (6.46 minutes) Genre: Rock Mood: happy

Playing: Bad Moon Rising by Creedence Clearwater Revival (2.21 minutes) Genre: Rock Mood: happy

Playing: Black Hole Sun by Soundgarden (5.18 minutes) Genre: Rock Mood: sad

Playlist: My Jazz Hits

Playing all songs in the jazz playlist: My Jazz Hits

Playing: So What by Miles Davis (9.22 minutes) Genre: Jazz Mood: idk

Playing: What a Wonderful World by Louis Armstrong (2.21 minutes) Genre: Jazz Mood: happy

Playing: Take Five by Dave Brubeck (5.24 minutes) Genre: Jazz Mood: idk

Playing: Body and Soul by Coleman Hawkins (3.00 minutes) Genre: Jazz Mood: sad

Playing: Summertime by Ella Fitzgerald and Louis Armstrong (4.58 minutes) Genre: Jazz Mood: sad

Process finished with exit code 0