### List of Inputs, Outputs, and Processing Required

INPUTS

* Title
* Artist
* Release date
* Playback length
* Genre
* Cost to download
* File size (in MegaBytes)
* File path to cover image

OUTPUTS

* The user’s MP3 file

PROCESSING

### Identification of Classes and Their Responsibilities

**Class name:** **MP3**

Responsibilities:

* Getting and setting the information that the user input
* Generating a default file that can be overridden with user information
* Converting the user’s input into a string

**Class name:** **MP3Driver**

Responsibilities:

* Welcoming the user and storing their name for later
* Giving the user a friendly menu to navigate
* Letting the user create a new MP3 object
* Prompting the user for information when needed
* Displaying the user’s MP3
* Thanking the user when they close the program

### UML Class Diagram

Diagram

Description automatically generated

Example Test Case for MP3 class

|  |  |
| --- | --- |
| Inputs | Expected Result |
| Set title to NEXUS  Set artist to Hiroyuki Sawano  Set release date to May 24, 2019  Set playback time to 229 seconds  Set genre to Other  Set download cost to $0.00  Set file size to 4.29 MB  Set file path to C:/Users/Scotty/  Downloads/CoverImage.png | A string displaying all of the input data in the correct order |

Class: DistanceTraveledApp

### Text Description automatically generated

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