Test Outcome

u1724656 Ziru Zhou

Set up

```r
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
library(readxl)
library(robustHD)
```

```
## Loading required package: ggplot2
```

```
## Loading required package: perry
```

```
## Loading required package: parallel
```

```
## Loading required package: robustbase
```

```r
data <- read.csv("cleanedData.csv")
mydata <- dplyr::select(data, ArtistID, AlbumID, TrackID, AlbumPopularity, TrackDanceability, TrackEnerg
source("ST344-Recommendation-System.R")
```

```r
v1 <- data$TrackID[data$Artist == "Shirley Bassey" & data$AlbumName == "Shirley Bassey"]
main(as.character(sample(v1,1)))
```

```
## [1] "Carpenters : Carpenters : One Love"
## [1] "The Beatles : Help! : Yesterday"
## [1] "ABBA : Arrival : My Love, My Life"
## [1] "Cliff Richard & The Shadows : Me And My Shadows : We Have It Made"
## [1] "Tori Amos : Scarlet's Walk : Gold Dust"
```

```r
v2 <- data$TrackID[data$Artist == "Roy Orbison" & data$AlbumName == "In Dreams"]
main(as.character(sample(v2,1)))
```

```
## [1] "Otis Redding : The Dock of the Bay : Open the Door"
## [1] "Frank Turner : England Keep My Bones : Sailor's Boots"
## [1] "The Beatles : The Beatles : I Will"
## [1] "The Mamas & The Papas : If You Can Believe Your Eyes & Ears : Do You Wanna Dance"
## [1] "The Beatles : Rubber Soul : Michelle"
```

```r
v3 <- data$TrackID[data$Artist == "Pink Floyd" & data$AlbumName == "Meddle"]
main(as.character(sample(v3,1)))
```

```
## [1] "Kate Bush : Hounds Of Love : Mother Stands For Comfort"
## [1] "Christy Moore : Ride On : Back Home in Derry"
## [1] "Leonard Cohen : Songs From A Room : Story of Isaac"
```

```
## [1] "Carpenters : Carpenters : Sometimes"
## [1] "James Taylor : Sweet Baby James : Oh, Susannah"
```

```r
v4 <- data$TrackID[data$Artist == "The Clash" & data$AlbumName == "London Calling"]
main(as.character(sample(v4,1)))
```

```
## [1] "Simon & Garfunkel : Bridge Over Troubled Water : Keep the Customer Satisfied"
## [1] "Madness : Absolutely : Not Home Today"
## [1] "Led Zeppelin : Physical Graffiti : Houses of the Holy"
## [1] "Led Zeppelin : Led Zeppelin IV : Misty Mountain Hop"
## [1] "The Smiths : The Queen Is Dead : The Queen Is Dead"
```

```r
v5 <- data$TrackID[data$Artist == "Public Enemy" & data$AlbumName == "It Takes A Nation Of Millions To H
main(as.character(sample(v5,1)))
```

```
## [1] "Beastie Boys : Licensed To Ill : Brass Monkey"
## [1] "Beastie Boys : Licensed To Ill : No Sleep Till Brooklyn"
## [1] "Manu Chao : Clandestino : Por el suelo"
## [1] "Beastie Boys : Licensed To Ill : Time To Get Ill"
## [1] "Beastie Boys : Licensed To Ill : Girls"
```

```r
v6 <- data$TrackID[data$Artist == "Madness" & data$AlbumName == "Absolutely"]
main(as.character(sample(v6,1)))
```

```
## [1] "The Duckworth Lewis Method : The Duckworth Lewis Method : The Sweet Spot"
## [1] "Elvis Costello & The Attractions : This Year's Model : Living In Paradise"
## [1] "Gerry & The Pacemakers : How Do You Like It? : You're the Reason"
## [1] "Elvis Costello & The Attractions : This Year's Model : Lip Service"
## [1] "Elvis Costello & The Attractions : Get Happy : High Fidelity"
```

```r
v7 <- data$TrackID[data$Artist == "Massive Attack" & data$AlbumName == "Blue Lines"]
main(as.character(sample(v7,1)))
```

```
## [1] "Lamb : Lamb : Gold"
## [1] "The Beatles : Rubber Soul : I'm Looking Through You"
## [1] "Garbage : Garbage : Queer"
## [1] "Desmond Dekker : Action! : Unity"
## [1] "The Clash : London Calling : The Guns of Brixton"
```

```r
v8 <- data$TrackID[data$Artist == "The Chemical Brothers" & data$AlbumName == "Dig Your Own Hole"]
main(as.character(sample(v8,1)))
```

```
## [1] "Foals : What Went Down : Albatross"
## [1] "Air : Moon Safari : Kelly Watch the Stars"
## [1] "Daft Punk : Random Access Memories : Contact"
## [1] "Foals : What Went Down : Give It All"
## [1] "Massive Attack : Mezzanine : Group Four"
```

```r
v9 <- data$TrackID[data$Artist == "The Flaming Lips" & data$AlbumName == "Yoshimi Battles The Pink Robot
main(as.character(sample(v9,1)))
```

```
## [1] "Radiohead : OK Computer : Let Down"
## [1] "Genesis : Selling England By The Pound : Firth Of Fifth"
## [1] "Radiohead : The Bends : The Bends"
## [1] "Bon Jovi : New Jersey : Lay Your Hands On Me"
## [1] "Radiohead : OK Computer : Electioneering"
```

```r
v10 <- data$TrackID[data$Artist == "The Streets" & data$AlbumName == "Original Pirate Material"]
main(as.character(sample(v10,1)))
```

```
## [1] "Bob Marley & The Wailers : Exodus : Natural Mystic"
## [1] "The Streets : A Grand Don't Come For Free : It Was Supposed to Be so Easy"
## [1] "Fugees : The Score : Ready or Not"
## [1] "Dizzee Rascal : Boy In Da Corner : Round We Go"
## [1] "The Streets : A Grand Don't Come For Free : Not Addicted"
```

```r
v11 <- data$TrackID[data$Artist == "Tinie Tempah" & data$AlbumName == "Disc-Overy"]
main(as.character(sample(v11,1)))
```

```
## [1] "Kendrick Lamar : To Pimp A Butterfly : Hood Politics"
## [1] "Nas : Illmatic : Represent"
## [1] "Ms. Lauryn Hill : The Miseducation of Lauryn Hill : Lost Ones"
## [1] "Kendrick Lamar : To Pimp A Butterfly : Institutionalized"
## [1] "Dizzee Rascal : Boy In Da Corner : Jus' a Rascal"
```

```r
v12 <- data$TrackID[data$Artist == "Foals" & data$AlbumName == "What Went Down"]
main(as.character(sample(v12,1)))
```

```
## [1] "Ash : 1977 : Angel Interceptor"
## [1] "Florence + The Machine : Ceremonials : No Light, No Light"
## [1] "Queens of the Stone Age : Songs For The Deaf : The Sky Is Fallin'"
## [1] "Strong Bad : Strong Bad Sings : Moving Very Slowly"
## [1] "Spiritualized : Ladies & Gentlemen We Are Floating In Space : Electricity"
```

Note that the five recommended tracks are sampled based on the distribution from the selected data subset