#Test cases given in the assignmnet, prints all contents when search

#text is empty.
java -cp . cscie97.asn3.test.TestDriver countries.csv devices.csv

products.csv collections.csv

processing command: search_collection , BIRDS

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = angry Birds , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = ANGRY_BIRDS_COLLECTION
Name = Angry Birds Collection
Description = All available Angry Birds Applications

        Type = application
        Id = angry_birds_star_wars
        Name = Angry Birds Star Wars
        Description = A long time ago in a galaxy far, far away... a

group of desperate rebel birds faced off against a galactic menace: the

Empireâ€™s evil Pigtroopers!
        Author = Rovio
        Price = 1.5
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL = http://web-

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png

        Type = application
        Id = angry_birds
        Name = Angry Birds
        Description = The survival of the Angry Birds is at stake. Dish

out revenge on the greedy pigs who stole their eggs. Use the unique

powers of each bird to destroy the pigsâ€™ defenses. Angry Birds

features challenging physics-based gameplay and hours of replay value.

Each level requires logic, skill, and force to solve
        Author = Rovio
        Price = 1.5
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL = http://web-

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png

        Type = application

```
        Id = angry_birds_seasons
        Name = Angry Birds Seasons
        Description = Angry Birds Seasons takes the captivating gameplay
```

of the original to a whole new level! From Halloween to Chinese New

Year, the birds are celebrating different festive seasons around the

world!

```
        Author = Rovio
        Price = 1.5
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL = http://web-
```

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png


```
processing command: search_collection , free
-------------------------------------------------------
Type = dynamic_collection: Criteria{contentCategories = [] , contentType
```

= [] , searchText = null , minRating = null , maxPrice = 0.0 ,

```
countryCode = null , contentLanguages = []}
Id = FREE_COLLECTION
Name = Free
Description = All available Free Content
```

```
        Type = application
        Id = BBC_News
        Name = BBC News
        Description = Get the latest world and regional news from the
```

BBC's global network of more than 2000 journalists.
```
        Author = BBC
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

https://lh5.ggpht.com/vnMqeTk8u86eSw3k7OI_ALnAmeh1mQnun14Jr5kPirl5Wh7wKY

rqU4Om71TLz3l3ur_K=w300-rw

```
        Type = application
        Id = FOX_News
        Name = Fox News
        Description = Read the latest headlines and watch the latest
```

videos from Fox News on your Android Device!
```
        Author = FoxNews.com
        Price = 0.0
        Rating = 2
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA, CANADA,
```

MEXICO, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_gb]
        Image URL =

https://lh6.ggpht.com/TrOB35OjeeVZHLneoX63X1816biCOqV6N39e2Zz5jT8QXG1mQh

EgtS1XapwKdxAJ8_np=w300-rw

        Type = ringtone
        Id = rt1
        Name = Ferrari 575M Maranello - 2002
        Description = This ringtone is a unique and exclusive recording

of the 2002 Ferrari 575M Maranello being driven to its limits!
        Author = Nutbags
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,

ALBANIA]
        Devices = [Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

        Type = application
        Id = Score_Center
        Name = ScoreCenter
        Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nationâ€™s top stories with in-depth coverage and

analysis.
        Author = ESPN
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

        Type = application
        Id = NPR_News
        Name = NPR News
        Description = Read, listen, or create a playlist of your

favorite NPR stories and share with friends.

```
            Author = NPR
            Price = 0.0
            Rating = 5
            Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
            Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
            Categories = [en_us, en_ca, en_gb]
            Image URL =
```

https://lh4.ggpht.com/AnC8LtJK3CzWLuMrVee3FMgNrGcKXDPjtygeNfkLmVO78Tu5C9

L_bxcROtEnnluu_e8=w300-rw

```
            Type = application
            Id = Cricket_WorldCup_Fever
            Name = Cricket WorldCup Fever
            Description = "Cricket WorldCup Fever" is the most complete
```

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
```
            Author = Indiagames Ltd.
            Price = 0.0
            Rating = 5
            Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED
```

KINGDOM, INDIA]
```
            Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
            Categories = [en_us, en_ca, en_gb]
            Image URL =
```

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

```
            Type = application
            Id = Yahoo!_Sports
            Name = Yahoo! Sports
            Description = Get blazing fast live scores, stats, and standings
```

personalized for your favorite leagues, teams, and players
```
            Author = Yahoo!
            Price = 0.0
            Rating = 5
            Countries = [UNITED STATES, CANADA, MEXICO]
            Devices = [IPhone 5, IPhone 6, Lumina 800]
            Categories = [en_us, en_ca, en_gb]
            Image URL =
```

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

```
            Type = application
            Id = Stick_Cricket_Premier_League
            Name = Stick Cricket Premier League
            Description = Your ticket to the bright lights of Premier League
```

super stardom is here. From the creators of the most popular cricket

game in the world.
```
            Author = Stick Sports Ltd
```

```
                                   result.txt
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQfIWPDoJcOA=w300-rw

        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD

Wallpaper for Android.
        Author = PowerAPP
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh5.ggpht.com/GSvdQwJSpVoPyZJIOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw



processing command: search_collection , cricket
-------------------------------------------------------
Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = cricket , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = CRICKET_COLLECTION
Name = Cricket
Description = All things Cricket

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw
```

```
        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League
```

super stardom is here. From the creators of the most popular cricket

game in the world.
```
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-
```

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw


```
processing command: search_collection , sports
---------------------------------------------------
Type = static_collection
Id = SPORTS_COLLECTION
Name = sports
Description = cool sports apps

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings
```

personalized for your favorite leagues, teams, and players
```
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

```
        Type = application
        Id = Score_Center
        Name = ScoreCenter
        Description = ESPN ScoreCenter brings you scores, news and
```

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nation's top stories with in-depth coverage and

analysis.
```
        Author = ESPN
        Price = 0.0
        Rating = 5
```

Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED KINGDOM]
Devices = [IPhone 5, IPhone 6, Lumina 800]
Categories = [en_us, en_ca, en_gb]
Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = cricket , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = CRICKET_COLLECTION
Name = Cricket
Description = All things Cricket

Type = application
Id = Cricket_WorldCup_Fever
Name = Cricket WorldCup Fever
Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
Author = Indiagames Ltd.
Price = 0.0
Rating = 5
Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED KINGDOM, INDIA]
Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
Categories = [en_us, en_ca, en_gb]
Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

Type = application
Id = Stick_Cricket_Premier_League
Name = Stick Cricket Premier League
Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
Author = Stick Sports Ltd
Price = 0.0
Rating = 4
Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
Categories = [en_us, en_ca, en_gb]
Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

processing command: search_collection , neWs

Type = dynamic_collection: Criteria{contentCategories = [news] ,

contentType = [] , searchText = null , minRating = null , maxPrice = 0.0

, countryCode = null , contentLanguages = []}
Id = NEWS_APPS
Name = News Apps
Description = All about News

       Type = ringtone
       Id = rt1
       Name = Ferrari 575M Maranello - 2002
       Description = This ringtone is a unique and exclusive recording

of the 2002 Ferrari 575M Maranello being driven to its limits!
       Author = Nutbags
       Price = 0.0
       Rating = 4
       Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,

ALBANIA]
       Devices = [Lumina 800]
       Categories = [en_us, en_ca, en_gb]
       Image URL =

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

       Type = application
       Id = Score_Center
       Name = ScoreCenter
       Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nation's top stories with in-depth coverage and

analysis.
       Author = ESPN
       Price = 0.0
       Rating = 5
       Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
       Devices = [IPhone 5, IPhone 6, Lumina 800]
       Categories = [en_us, en_ca, en_gb]
       Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

       Type = application
       Id = Cricket_WorldCup_Fever
       Name = Cricket WorldCup Fever

        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD

Wallpaper for Android.

          Author = PowerAPP
          Price = 0.0
          Rating = 4
          Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
          Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

https://lh5.ggpht.com/GSvdQwJSpVoPyZJIOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [news] ,

contentType = [] , searchText = null , minRating = 3 , maxPrice = 0.0 ,

countryCode = null , contentLanguages = []}
Id = MOST_POPULAR_NEWS_APPS
Name = Most Popular News Apps
Description = Best rated news apps

          Type = ringtone
          Id = rt1
          Name = Ferrari 575M Maranello - 2002
          Description = This ringtone is a unique and exclusive recording

of the 2002 Ferrari 575M Maranello being driven to its limits!
          Author = Nutbags
          Price = 0.0
          Rating = 4
          Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,

ALBANIA]
          Devices = [Lumina 800]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

          Type = application
          Id = Score_Center
          Name = ScoreCenter
          Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nation's top stories with in-depth coverage and

analysis.
          Author = ESPN
          Price = 0.0
          Rating = 5
          Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
          Devices = [IPhone 5, IPhone 6, Lumina 800]
          Categories = [en_us, en_ca, en_gb]

Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

```
Type = application
Id = Cricket_WorldCup_Fever
Name = Cricket WorldCup Fever
Description = "Cricket WorldCup Fever" is the most complete
```

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
```
Author = Indiagames Ltd.
Price = 0.0
Rating = 5
Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED
```

KINGDOM, INDIA]
```
Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
Categories = [en_us, en_ca, en_gb]
Image URL =
```

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

```
Type = application
Id = Yahoo!_Sports
Name = Yahoo! Sports
Description = Get blazing fast live scores, stats, and standings
```

personalized for your favorite leagues, teams, and players
```
Author = Yahoo!
Price = 0.0
Rating = 5
Countries = [UNITED STATES, CANADA, MEXICO]
Devices = [IPhone 5, IPhone 6, Lumina 800]
Categories = [en_us, en_ca, en_gb]
Image URL =
```

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

```
Type = application
Id = Stick_Cricket_Premier_League
Name = Stick Cricket Premier League
Description = Your ticket to the bright lights of Premier League
```

super stardom is here. From the creators of the most popular cricket

game in the world.
```
Author = Stick Sports Ltd
Price = 0.0
Rating = 4
Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
Categories = [en_us, en_ca, en_gb]
Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-
```

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

         Type = wallpaper
         Id = HD_Wallpapers_for_Android
         Name = HD Wallpapers for Android
         Description = Qualitative and convenient for application of HD

Wallpaper for Android.
         Author = PowerAPP
         Price = 0.0
         Rating = 4
         Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
         Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
         Categories = [en_us, en_ca, en_gb]
         Image URL =

https://lh5.ggpht.com/GSvdQwJSpVoPyZJlOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

processing command: search_collection , null

Type = dynamic_collection: Criteria{contentCategories = [news] ,

contentType = [] , searchText = null , minRating = null , maxPrice = 0.0

, countryCode = null , contentLanguages = []}
Id = NEWS_APPS
Name = News Apps
Description = All about News

         Type = ringtone
         Id = rt1
         Name = Ferrari 575M Maranello - 2002
         Description = This ringtone is a unique and exclusive recording

of the 2002 Ferrari 575M Maranello being driven to its limits!
         Author = Nutbags
         Price = 0.0
         Rating = 4
         Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,

ALBANIA]
         Devices = [Lumina 800]
         Categories = [en_us, en_ca, en_gb]
         Image URL =

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

         Type = application
         Id = Score_Center
         Name = ScoreCenter
         Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nation's top stories with in-depth coverage and

analysis.
        Author = ESPN
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

"World Cup" and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/MzcZpm3IitAaHqfI4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

        Type = application
        Id = Stick_Cricket_Premier_League

        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQfIWPDoJcOA=w300-rw

        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD

Wallpaper for Android.
        Author = PowerAPP
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh5.ggpht.com/GSvdQwJSpVoPyZJIOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = null , minRating = null , maxPrice = 0.0 ,

countryCode = null , contentLanguages = []}
Id = FREE_COLLECTION
Name = Free
Description = All available Free Content

        Type = application
        Id = BBC_News
        Name = BBC News
        Description = Get the latest world and regional news from the

BBC's global network of more than 2000 journalists.
        Author = BBC
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh5.ggpht.com/vnMqeTk8u86eSw3k7OI_ALnAmeh1mQnun14Jr5kPirI5Wh7wKY

rqU4Om71TLz3I3ur_K=w300-rw

        Type = application
        Id = FOX_News

Name = Fox News
Description = Read the latest headlines and watch the latest

videos from Fox News on your Android Device!
Author = FoxNews.com
Price = 0.0
Rating = 2
Countries = [UNITED STATES, UNITED KINGDOM, INDIA, CANADA,

MEXICO, FINLAND]
Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
Categories = [en_us, en_gb]
Image URL =

https://lh6.ggpht.com/TrOB350jeeVZHLneoX63X1816biCOqV6N39e2Zz5jT8QXG1mQh

EgtS1XapwKdxAJ8_np=w300-rw

Type = ringtone
Id = rt1
Name = Ferrari 575M Maranello - 2002
Description = This ringtone is a unique and exclusive recording

of the 2002 Ferrari 575M Maranello being driven to its limits!
Author = Nutbags
Price = 0.0
Rating = 4
Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,

ALBANIA]
Devices = [Lumina 800]
Categories = [en_us, en_ca, en_gb]
Image URL =

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

Type = application
Id = Score_Center
Name = ScoreCenter
Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nation's top stories with in-depth coverage and

analysis.
Author = ESPN
Price = 0.0
Rating = 5
Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
Devices = [IPhone 5, IPhone 6, Lumina 800]
Categories = [en_us, en_ca, en_gb]
Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

result.txt

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

        Type = application
        Id = NPR_News
        Name = NPR News
        Description = Read, listen, or create a playlist of your

favorite NPR stories and share with friends.
        Author = NPR
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/AnC8LtJK3CzWLuMrVee3FMgNrGcKXDPjtygeNfkLmVO78Tu5C9

L_bxcROtEnnIuu_e8=w300-rw

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

```
        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League
```

super stardom is here. From the creators of the most popular cricket

game in the world.
```
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-
```

3KpekM5oieQMPnMGqmYcEND-PGoQfIWPDoJcOA=w300-rw

```
        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD
```

Wallpaper for Android.
```
        Author = PowerAPP
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

https://lh5.ggpht.com/GSvdQwJSpVoPyZJIOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = angry Birds , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = ANGRY_BIRDS_COLLECTION
Name = Angry Birds Collection
Description = All available Angry Birds Applications

```
        Type = application
        Id = angry_birds_star_wars
        Name = Angry Birds Star Wars
        Description = A long time ago in a galaxy far, far away... a
```

group of desperate rebel birds faced off against a galactic menace: the

Empireâ€™s evil Pigtroopers!
```
        Author = Rovio
        Price = 1.5
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL = http://web-
```

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png

            Type = application
            Id = angry_birds
            Name = Angry Birds
            Description = The survival of the Angry Birds is at stake. Dish

out revenge on the greedy pigs who stole their eggs. Use the unique

powers of each bird to destroy the pigs' defenses. Angry Birds

features challenging physics-based gameplay and hours of replay value.

Each level requires logic, skill, and force to solve
            Author = Rovio
            Price = 1.5
            Rating = 5
            Countries = [UNITED STATES, CANADA, MEXICO]
            Devices = [IPhone 5, IPhone 6, Lumina 800]
            Categories = [en_us, en_ca, en_gb]
            Image URL = http://web-

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png

            Type = application
            Id = angry_birds_seasons
            Name = Angry Birds Seasons
            Description = Angry Birds Seasons takes the captivating gameplay

of the original to a whole new level! From Halloween to Chinese New

Year, the birds are celebrating different festive seasons around the

world!
            Author = Rovio
            Price = 1.5
            Rating = 5
            Countries = [UNITED STATES, CANADA, MEXICO]
            Devices = [IPhone 5, IPhone 6, Lumina 800]
            Categories = [en_us, en_ca, en_gb]
            Image URL = http://web-

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = cricket , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = CRICKET_COLLECTION
Name = Cricket
Description = All things Cricket

            Type = application
            Id = Cricket_WorldCup_Fever
            Name = Cricket WorldCup Fever
            Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
          Author = Indiagames Ltd.
          Price = 0.0
          Rating = 5
          Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
          Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

          Type = application
          Id = Stick_Cricket_Premier_League
          Name = Stick Cricket Premier League
          Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
          Author = Stick Sports Ltd
          Price = 0.0
          Rating = 4
          Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
          Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
          Categories = [en_us, en_ca, en_gb]
          Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [news] ,

contentType = [] , searchText = null , minRating = 3 , maxPrice = 0.0 ,

countryCode = null , contentLanguages = []}
Id = MOST_POPULAR_NEWS_APPS
Name = Most Popular News Apps
Description = Best rated news apps

          Type = ringtone
          Id = rt1
          Name = Ferrari 575M Maranello - 2002
          Description = This ringtone is a unique and exclusive recording

of the 2002 Ferrari 575M Maranello being driven to its limits!
          Author = Nutbags
          Price = 0.0
          Rating = 4
          Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,

ALBANIA]
          Devices = [Lumina 800]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

       Type = application
       Id = Score_Center
       Name = ScoreCenter
       Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nationâ€™s top stories with in-depth coverage and

analysis.
       Author = ESPN
       Price = 0.0
       Rating = 5
       Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
       Devices = [IPhone 5, IPhone 6, Lumina 800]
       Categories = [en_us, en_ca, en_gb]
       Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

       Type = application
       Id = Cricket_WorldCup_Fever
       Name = Cricket WorldCup Fever
       Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
       Author = Indiagames Ltd.
       Price = 0.0
       Rating = 5
       Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
       Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
       Categories = [en_us, en_ca, en_gb]
       Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

       Type = application
       Id = Yahoo!_Sports
       Name = Yahoo! Sports
       Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
       Author = Yahoo!
       Price = 0.0
       Rating = 5

```
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

```
        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League
```

super stardom is here. From the creators of the most popular cricket

game in the world.
```
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-
```

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

```
        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD
```

Wallpaper for Android.
```
        Author = PowerAPP
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

https://lh5.ggpht.com/GSvdQwJSpVoPyZJlOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

```
Type = static_collection
Id = SPORTS_COLLECTION
Name = sports
Description = cool sports apps

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings
```

personalized for your favorite leagues, teams, and players
```
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

        Type = application
        Id = Score_Center
        Name = ScoreCenter
        Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nationâ€™s top stories with in-depth coverage and

analysis.
        Author = ESPN
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZlx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = cricket , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = CRICKET_COLLECTION
Name = Cricket
Description = All things Cricket

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

##

######################################

#Exception when adding product that does not exist in product service
java -cp . cscie97.asn3.test.TestDriver countries.csv devices.csv

products.csv collections_prod_doesntExist.csv

cscie97.asn3.ecommerce.collection.CollectionServiceException: Collection

Parameter Exception: Property Name : [SCORE_CENTER_TEST] and Property

value : [Content does not exist]

##

###

#Exception when adding collection that does not exist in product service
java -cp . cscie97.asn3.test.TestDriver countries.csv devices.csv

products.csv collections_collDoesNtExist.csv

cscie97.asn3.ecommerce.collection.CollectionServiceException: Collection

Parameter Exception: Property Name : [CRICKET_COLLECTION_TEST] and

Property value : [Collection does not exist]

##

###############

#searching collection when no collection in the store with matching

#search text

```
java -cp . cscie97.asn3.test.TestDriver countries.csv devices.csv

products.csv collections_NoMatchingCollection.csv

processing command: search_collection , NO_SEARCH_RESULT
------------------------------------------------------
No Results Found...

#########################################################################

#######


#Case insensitive search
java -cp . cscie97.asn3.test.TestDriver countries.csv devices.csv

products.csv collections_ignoreCaseSearch.csv

processing command: search_collection , BIRDS
----------------------------------------------
Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = angry Birds , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = ANGRY_BIRDS_COLLECTION
Name = Angry Birds Collection
Description = All available Angry Birds Applications

        Type = application
        Id = angry_birds_star_wars
        Name = Angry Birds Star Wars
        Description = A long time ago in a galaxy far, far away... a

group of desperate rebel birds faced off against a galactic menace: the

Empireâ€™s evil Pigtroopers!
        Author = Rovio
        Price = 1.5
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL = http://web-

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png

        Type = application
        Id = angry_birds
        Name = Angry Birds
        Description = The survival of the Angry Birds is at stake. Dish

out revenge on the greedy pigs who stole their eggs. Use the unique

powers of each bird to destroy the pigsâ€™ defenses. Angry Birds

features challenging physics-based gameplay and hours of replay value.

Each level requires logic, skill, and force to solve
        Author = Rovio
        Price = 1.5
```

```
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL = http://web-
```

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png

```
        Type = application
        Id = angry_birds_seasons
        Name = Angry Birds Seasons
        Description = Angry Birds Seasons takes the captivating gameplay
```

of the original to a whole new level! From Halloween to Chinese New

Year, the birds are celebrating different festive seasons around the

world!

```
        Author = Rovio
        Price = 1.5
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL = http://web-
```

assets.angrybirds.com/abcom/img/games/223/Icon_download_seasons_223x223.

png


```
processing command: search_collection , FREE
----------------------------------------------------
Type = dynamic_collection: Criteria{contentCategories = [] , contentType
```

= [] , searchText = null , minRating = null , maxPrice = 0.0 ,

```
countryCode = null , contentLanguages = []}
Id = FREE_COLLECTION
Name = Free
Description = All available Free Content
```

```
        Type = application
        Id = BBC_News
        Name = BBC News
        Description = Get the latest world and regional news from the
```

BBC's global network of more than 2000 journalists.

```
        Author = BBC
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

https://lh5.ggpht.com/vnMqeTk8u86eSw3k7OI_ALnAmeh1mQnun14Jr5kPirl5Wh7wKY

rqU4Om71TLz3l3ur_K=w300-rw

        Type = application
        Id = FOX_News
        Name = Fox News
        Description = Read the latest headlines and watch the latest
videos from Fox News on your Android Device!
        Author = FoxNews.com
        Price = 0.0
        Rating = 2
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA, CANADA,
MEXICO, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_gb]
        Image URL =
https://lh6.ggpht.com/TrOB35OjeeVZHLneoX63X1816biCOqV6N39e2Zz5jT8QXG1mQh
EgtS1XapwKdxAJ8_np=w300-rw

        Type = ringtone
        Id = rt1
        Name = Ferrari 575M Maranello - 2002
        Description = This ringtone is a unique and exclusive recording
of the 2002 Ferrari 575M Maranello being driven to its limits!
        Author = Nutbags
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,
ALBANIA]
        Devices = [Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-
192x192.png

        Type = application
        Id = Score_Center
        Name = ScoreCenter
        Description = ESPN ScoreCenter brings you scores, news and
standings from sports leagues around the world. The new app makes it
easier than ever to follow your favorite teams anytime, anywhere. Stay
up to date on the latest scores with personalized scoreboards and
alerts. Follow the nation's top stories with in-depth coverage and
analysis.
        Author = ESPN
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED
KINGDOM]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

        Type = application
        Id = NPR_News
        Name = NPR News
        Description = Read, listen, or create a playlist of your

favorite NPR stories and share with friends.
        Author = NPR
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/AnC8LtJK3CzWLuMrVee3FMgNrGcKXDPjtygeNfkLmVO78Tu5C9

L_bxcROtEnnIuu_e8=w300-rw

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/MzcZpm3IitAaHqfI4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQfIWPDoJcOA=w300-rw

        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD

Wallpaper for Android.
        Author = PowerAPP
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh5.ggpht.com/GSvdQwJSpVoPyZJIOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

processing command: search_collection , CRICKET

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = cricket , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = CRICKET_COLLECTION
Name = Cricket
Description = All things Cricket

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0

          Rating = 5
          Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
          Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

https://lh3.ggpht.com/3h_lfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBl=w300-rw

          Type = application
          Id = Stick_Cricket_Premier_League
          Name = Stick Cricket Premier League
          Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
          Author = Stick Sports Ltd
          Price = 0.0
          Rating = 4
          Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
          Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
          Categories = [en_us, en_ca, en_gb]
          Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

processing command: search_collection , SPORTS

Type = static_collection
Id = SPORTS_COLLECTION
Name = sports
Description = cool sports apps

          Type = application
          Id = Yahoo!_Sports
          Name = Yahoo! Sports
          Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
          Author = Yahoo!
          Price = 0.0
          Rating = 5
          Countries = [UNITED STATES, CANADA, MEXICO]
          Devices = [IPhone 5, IPhone 6, Lumina 800]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

https://lh4.ggpht.com/MzcZpm3litAaHqfl4hZnz8Bv8PfTyklc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

          Type = application
          Id = Score_Center
          Name = ScoreCenter
          Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nationâ€™s top stories with in-depth coverage and

analysis.
          Author = ESPN
          Price = 0.0
          Rating = 5
          Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
          Devices = [IPhone 5, IPhone 6, Lumina 800]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [] , contentType

= [] , searchText = cricket , minRating = null , maxPrice = null ,

countryCode = null , contentLanguages = []}
Id = CRICKET_COLLECTION
Name = Cricket
Description = All things Cricket

          Type = application
          Id = Cricket_WorldCup_Fever
          Name = Cricket WorldCup Fever
          Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
          Author = Indiagames Ltd.
          Price = 0.0
          Rating = 5
          Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
          Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
          Categories = [en_us, en_ca, en_gb]
          Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

          Type = application
          Id = Stick_Cricket_Premier_League
          Name = Stick Cricket Premier League
          Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.

```
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-
```

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

processing command: search_collection , NEWS

Type = dynamic_collection: Criteria{contentCategories = [news] ,

contentType = [] , searchText = null , minRating = null , maxPrice = 0.0

, countryCode = null , contentLanguages = []}
Id = NEWS_APPS
Name = News Apps
Description = All about News

```
        Type = ringtone
        Id = rt1
        Name = Ferrari 575M Maranello - 2002
        Description = This ringtone is a unique and exclusive recording
```

of the 2002 Ferrari 575M Maranello being driven to its limits!
```
        Author = Nutbags
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,
```

ALBANIA]
```
        Devices = [Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =
```

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

```
        Type = application
        Id = Score_Center
        Name = ScoreCenter
        Description = ESPN ScoreCenter brings you scores, news and
```

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nation's top stories with in-depth coverage and

analysis.
```
        Author = ESPN
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED
```

KINGDOM]

        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs8OhoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/MzcZpm3IitAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League

super stardom is here. From the creators of the most popular cricket

game in the world.
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]

        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD

Wallpaper for Android.
        Author = PowerAPP
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh5.ggpht.com/GSvdQwJSpVoPyZJlOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

Type = dynamic_collection: Criteria{contentCategories = [news] ,

contentType = [] , searchText = null , minRating = 3 , maxPrice = 0.0 ,

countryCode = null , contentLanguages = []}
Id = MOST_POPULAR_NEWS_APPS
Name = Most Popular News Apps
Description = Best rated news apps

        Type = ringtone
        Id = rt1
        Name = Ferrari 575M Maranello - 2002
        Description = This ringtone is a unique and exclusive recording

of the 2002 Ferrari 575M Maranello being driven to its limits!
        Author = Nutbags
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, MEXICO, AFGHANISTAN,

ALBANIA]
        Devices = [Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

http://p.d.ovi.com/p/g/store/1492679/_02_Ferrari_575M_Maranello-

192x192.png

        Type = application
        Id = Score_Center
        Name = ScoreCenter
        Description = ESPN ScoreCenter brings you scores, news and

standings from sports leagues around the world. The new app makes it

easier than ever to follow your favorite teams anytime, anywhere. Stay

up to date on the latest scores with personalized scoreboards and

alerts. Follow the nationâ€™s top stories with in-depth coverage and

analysis.
        Author = ESPN
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/YPRbjg1sofJOcjetFoVNZIx4oaNjkmnezWVoba-

D9XxR1e2DKhHFgBbsx5xfooLIeSo=w300-rw

        Type = application
        Id = Cricket_WorldCup_Fever
        Name = Cricket WorldCup Fever
        Description = "Cricket WorldCup Fever" is the most complete

cricket game for your Android Phone. Play with your favourite cricket

national team in 4 exciting modes of play - "Quick Match", "PowerPlay"

â€œWorld Cupâ€? and the turn based styled "Pass-N-Play" modes.
        Author = Indiagames Ltd.
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO, FINLAND, UNITED

KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh3.ggpht.com/3h_IfGLOaNWYGGGnYaBs80hoK3yBUkyn2t7C2Hb-

dSUP1rAKPBT_khEtaSgenkc2UBI=w300-rw

        Type = application
        Id = Yahoo!_Sports
        Name = Yahoo! Sports
        Description = Get blazing fast live scores, stats, and standings

personalized for your favorite leagues, teams, and players
        Author = Yahoo!
        Price = 0.0
        Rating = 5
        Countries = [UNITED STATES, CANADA, MEXICO]
        Devices = [IPhone 5, IPhone 6, Lumina 800]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh4.ggpht.com/MzcZpm3IitAaHqfl4hZnz8Bv8PfTykIc9A_InOBjbQk2XPZFdL

PuuzfpVw3ta9oGKEY=w300-rw

        Type = application
        Id = Stick_Cricket_Premier_League
        Name = Stick Cricket Premier League
        Description = Your ticket to the bright lights of Premier League
                          Page 34

super stardom is here. From the creators of the most popular cricket

game in the world.
        Author = Stick Sports Ltd
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, UNITED KINGDOM, INDIA]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL = https://lh3.ggpht.com/nrgUEydCC3iFXFPwFLChDjL3t2V-

3KpekM5oieQMPnMGqmYcEND-PGoQflWPDoJcOA=w300-rw

        Type = wallpaper
        Id = HD_Wallpapers_for_Android
        Name = HD Wallpapers for Android
        Description = Qualitative and convenient for application of HD

Wallpaper for Android.
        Author = PowerAPP
        Price = 0.0
        Rating = 4
        Countries = [UNITED STATES, CANADA, INDIA, FINLAND]
        Devices = [IPhone 5, IPhone 6, Lumina 800, HTC One]
        Categories = [en_us, en_ca, en_gb]
        Image URL =

https://lh5.ggpht.com/GSvdQwJSpVoPyZJIOUTWpgOx9reGKehLnj6IdOLdOpq1yfAEiG

AOkUm2Eu7H8vr-1A=w300-rw

##

#########