

2021-mirza-ahsan-baig-assignment-2

February 22, 2023

```
[96]: import requests
link = 'http://www.enron-mail.com/email/cuilla-m/inbox/
↳OnePass_Member_continental_com_Specials_for_martin_5.html'
x = requests.get(link, verify=0)
x.status_code
```

[96] : 200

```
[97]: x.text
```

```
[97]: '<html>\n<head>\n  <link rel="stylesheet" href="/enron-style.css"
type="text/css" media="screen" /\n  <title>OnePass Member continental.com
Specials for martin cuilla</title>\n</head>\n<body>\n\n\n\n<table>\n  <tr>\n    <td
valign="\top">\n    <a href=\'/\><img src=\'/enron.gif\' border=\'0\'></a>\n
</td>\n    <td valign="\top">\n    <a href=\'/\>Enron Mail</a>\n  </td>\n
</tr>\n</table>\n\n<form action="http://www.google.com/cse" id="cse-search-
box">\n  <div>\n    <input type="hidden" name="cx"
value="007166982235299733892:lavzlotflsa" /\n    <input type="hidden" name="ie"
value="UTF-8" /\n    <input type="text" name="q" size="31" /\n    <input
type="submit" name="sa" value="Search" /\n  </div>\n</form>\n<script
type="text/javascript" src="http://www.google.com/coop/cse/brand?form=cse-
search-box&lang=en"></script>\n\n\n<p>\n\n<script
type="text/javascript"><!--\ngoogletag_ad_client =
"pub-2513468826546181";\ngoogletag_ad_color = "0000FF";\ngoogletag_ad_width =
728;\ngoogletag_ad_height = 90;\ngoogletag_ad_format = "728x90_as";\ngoogletag_ad_type =
"text_image";\n//2007-08-20: enron-mail\ngoogletag_ad_channel =
"5848846077";\n//-->\n</script>\n<script type="text/javascript"\n  src="http://p
agead2.googleadsyndication.com/pagead/show_ads.js">\n</script>\n\n\n<p>\n<table>\n
<tr>\n<td valign="\top">\n\n<table class=\'header\'>\n  <tr>\n    <td
class=\'header\' valign="\top">From:</td><td class=\'header\'
valign="\top"><b><a href=\'mailto:continental_airlines_inc@coair.rsc01.com\'>co
ntinental_airlines_inc@coair.rsc01.com</a></b></td>\n  </tr>\n  <tr>\n    <td
class=\'header\' valign="\top">To:</td><td class=\'header\'
valign="\top"><b><a
href=\'mailto:mcuilla@ect.enron.com\'>mcuilla@ect.enron.com</a></b></td>\n
</tr>\n  <tr>\n    <td class=\'header\' valign="\top">Subject:</td><td
class=\'header\' valign="\top"><b>OnePass Member continental.com Specials for
```

martin cuilla</td>\n </tr>\n <tr>\n <td class=\ 'header\ ' valign=\ 'top\ '>Cc:</td><td class=\ 'header\ ' valign=\ 'top\ '></td>\n </tr>\n <tr>\n <td class=\ 'header\ ' valign=\ 'top\ '>Bcc:</td><td class=\ 'header\ ' valign=\ 'top\ '></td>\n </tr>\n <tr>\n <td class=\ 'header\ ' valign=\ 'top\ '>Date:</td><td class=\ 'header\ ' valign=\ 'top\ '>Mon, 31 Dec 2001 19:04:58 -0800 (PST)</td>\n </tr>\n</table>\n\n<p>\n<div class=\ 'ebody\ '>\ncontinental.com Specials for martin cuilla
Tuesday, January 1, 2002

HAPPY NEW YEAR!

Continental makes it easy to unwind with an additional 10% off select sale fares to destinations in North America and Europe. Hurry, seats are limited and this sale ends January 15, 2002.

Purchase your eTickets now at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*VA

EARN UP TO 20,000 BONUS MILES*
Now through February 15, 2002, we\ 'll reward you with additional OnePass miles every time you purchase an eTicket on continental.com and fly - and that\ 's in addition to your actual flight miles.

View all the details and register at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*XA

* NOTE: Bonus Mile offer does not apply to continental.com Specials.

TRAVEL UPDATES
Be sure to check continental.com at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*YA
before leaving for the airport. We?re looking forward to welcoming you onboard!

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3. Westin Hotels & Resorts, Sheraton Hotels & Resorts, Four Points by Sheraton, St. Regis, The Luxury Collection and W Hotels Offers
4. Alamo Rent A Car Offers
5. National Car Rental Offers

1. THIS WEEK\ 'S DESTINATIONS

Depart Saturday, January 5 and return on either Monday, January 7 or Tuesday, January 8, 2002. Please see the Terms and Conditions listed at the end of this e-mail.

For OnePass members, here are special opportunities to redeem miles for travel to the following destinations. As an additional benefit, OnePass Elite members can travel using the miles below as the only payment necessary. The following are this week\ 's OnePass continental.com Specials.

To use your OnePass miles (as listed below) to purchase continental.com Specials, you must call 1-800-642-1617.

THERE WILL NOT BE AN ADDITIONAL \$20 CHARGE WHEN REDEEMING ONEPASS MILES FOR CONTINENTAL.COM SPECIALS THROUGH THE TOLL FREE RESERVATIONS NUMBER.

If you are not using your OnePass miles, purchase continental.com Specials online until 11:59pm (CST) Friday at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*ZA
You can also purchase continental.com Specials for an additional cost of \$20 per ticket through our telephone service at 1-800-642-1617.

ROUND-

TRIP TRAVEL MAY ORIGINATE IN EITHER

CITY

****Roundtrip BETWEEN CLEVELAND, OH and:

\$29 + 12,500 Miles or \$119 - Milwaukee, WI

****Roundtrip BETWEEN HOUSTON, TX and:

\$29 + 10,000 Miles or \$109 - Alexandria, LA
\$29 + 12,500 Miles or \$119 - Amarillo, TX
\$29 + 10,000 Miles or \$109 - Beaumont/Pt. Arthur, TX
\$29 + 10,000 Miles or \$109 - Gulfport/Biloxi, MS
\$29 + 12,500 Miles or \$119 - Tulsa, OK

****Roundtrip BETWEEN NEW YORK/NEWARK and:

\$29 + 12,500 Miles or \$119 - Albany, NY
\$29 + 12,500 Miles or \$119 - Greensboro/Piedmont Triad, NC
\$29 + 15,000 Miles or \$159 - Kansas City, MO
\$29 + 12,500 Miles or \$129 - Nashville, TN
\$29 + 15,000 Miles or \$159 - New Orleans, LA
\$29 + 10,000 Miles or \$109 - Norfolk, VA
\$29 + 10,000 Miles or \$109 - Portland, ME
\$29 + 10,000 Miles or \$109 - Richmond, VA
\$29 + 10,000 Miles or \$109 - Syracuse, NY

2. CONTINENTAL.COM SPECIALS FROM HILTON HOTELS AND RESORTS, DOUBLETREE
HOTELS AND RESORTS, AND EMBASSY SUITES HOTELS

The following rates are available January 5 ? January 7, 2002 and are priced per

night.

Cleveland, OH - Hilton Garden Inn, Cleveland Airport - \$79

Houston, TX - Embassy Suites Hotel Houston, Near The Galleria - \$130
Houston, TX - Hilton Houston Hobby Airport - \$88
Houston, TX - Hilton Houston Westchase and Towers - \$149

Nashville, TN - Hilton Suites Nashville, Downtown - \$109

Newark, NJ - Doubletree Club Suites Jersey City, Jersey City NJ - \$149 (January 5-6 only)
Newark, NJ - Hilton Pearl River, Pearl River NY - \$125

To book this week\'s special rates for Hilton Family Hotels, visit and book at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*AA
Special rates apply only for the dates listed at each hotel and are subject to availability. Check hilton.com for specific dates at each Hilton Family Hotel. Or call at 1-800-774-1500 and ask for Value Rates.

Restrictions apply to these

rates.

3. CONTINENTAL.COM SPECIALS LAST-MINUTE WEEKEND RATES FROM WESTIN HOTELS & RESORTS, SHERATON HOTELS & RESORTS, FOUR POINTS BY SHERATON, ST. REGIS, THE LUXURY COLLECTION, AND W HOTELS

There are no offerings from Westin Hotels & Resorts, Sheraton Hotels & Resorts, Four Points by Sheraton, St. Regis, The Luxury Collection and W Hotels this

week.

4. CONTINENTAL.COM SPECIALS FROM ALAMO RENT A CAR

Rates listed below are valid on compact class vehicles at airport locations only. Other car types may be available. Rates are valid for rentals on Saturday, January 5 with returns Monday, January 7 or Tuesday, January 8, 2002.

\$17 a day in: Milwaukee, WI (MKE)
\$18 a day in: Greensboro/Piedmont Triad, NC (GSO)
\$18 a day in: Houston, TX (IAH)
\$18 a day in: Kansas City, MO (MCI)
\$18 a day in: Nashville, TN (BNA)
\$18 a day in: Tulsa, OK (TUL)
\$20 a day in: Cleveland, OH (CLE)
\$26 a day in: New Orleans, LA (MSY)
\$26 a day in: Newark, NJ (EWR)

To receive continental.com Specials discounted rates,

simply make advance reservations and be sure to request ID # 596871 and Rate Code 33. Book your reservation online at:
<a href='http://continentalairline
s.rsc01.net/servlet/cc4?JHEVAZ\'>http://continentalairlines.rsc01.net/servlet/cc
4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*BA
or contact Alamo at 1-800 GO
ALAMO.

*If you are traveling to a city or a different date that is not
listed, Alamo offers great rates when you book online at:
<a href='http://co
ntinentalairlines.rsc01.net/servlet/cc4?JHEVAZ\'>http://continentalairlines.rsc0
1.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*CA
For complete details
on these offers, please refer to Alamo\'s terms and conditions
below.

5. CONTINENTAL.COM
SPECIALS FROM NATIONAL CAR RENTAL

Rates listed below are valid on
intermediate class vehicles at airport locations only. Other car types may be
available. Rates are valid for rentals on Saturday, January 5 with returns
Monday, January 7 or Tuesday, January 8,
2002.

\$21 a day in: Amarillo,
TX (AMA)
\$21 a day in: Greensboro/Piedmont Triad, NC (GSO)
\$21 a day in:
Gulfport/Biloxi, MS (GPT)
\$21 a day in: Houston, TX (IAH)
\$21 a day in:
Kansas City, MO (MCI)
\$21 a day in: Nashville, TN (BNA)
\$21 a day in:
Syracuse, NY (SYR)
\$21 a day in: Tulsa, OK (TUL)
\$23 a day in: Cleveland,
OH (CLE)
\$28 a day in: Alexandria, LA (AEX)
\$28 a day in: Norfolk, VA
(ORF)
\$28 a day in: Richmond, VA (RIC)
\$29 a day in: New Orleans, LA
(MSY)
\$29 a day in: Newark, NJ (EWR)

To receive continental.com
Specials discounted rates, simply make your reservations in advance and be sure
to request Product Code COOLUS. To make your reservation, contact National at
1-800-CAR-RENT (1-800-227-7368), or book your reservation online at:
<a href=
'http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ\'>http://continentalai
rlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*DA
Please
enter COOLUS in the Product Rate Code field, and 5037126 in the Contract ID
field to ensure you get these rates on these dates.

* If you are
traveling to a city or a different date that is not listed, National offers
great rates when you book online at:
<a href='http://continentalairlines.rsc
01.net/servlet/cc4?JHEVAZ\'>http://continentalairlines.rsc01.net/servlet/cc4?JHE
VAZ*tJNpssHQLJmELgkhgEJht*z*VUA
For complete details on these offers,
please refer to National\'s terms and conditions
below.

CONTINENTAL.COM
SPECIALS RULES:
Fares include a \$37.20 fuel surcharge. Passenger Facility
Charges, up to \$18 depending on routing, are not included. Up to \$2.75 per
segment federal excise tax, as applicable, is not included. Applicable
International and or Canadian taxes and fees up to \$108, varying by destination,
are not included and may vary slightly depending on currency exchange rate at
the time of purchase. For a complete listing of rules please visit:
<a href=
'http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ\'>http://continentalair
lines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*VVA

ALAMO RENT A CAR\'S TERMS AND CONDITIONS:
Taxes (including VLF
taxes up to US\$1.89 per day in California and GST), other governmentally-
authorized or imposed surcharges, license recoupment fees, fuel, additional
driver fee, drop charges and optional items (such as CDW Waiver Savers(R) up to

US\$18.99 a day,) are extra. Renter must meet standard age, driver and credit requirements. Rates higher for drivers under age 25. Concession recoupment fees may add up to 14% to the rental rate at some on-airport locations. Up to 10.75% may be added to the rental rate if you rent at an off-airport location and exit on our shuttle bus. Weekly rates require a 5-day minimum rental or daily rates apply. For weekend rates, the vehicle must be picked up after 9 a.m. on Thursday and returned before midnight on Monday or higher daily rates apply. 24-hour advance reservation required. May not be combined with other discounts.

Availability is limited. All vehicles must be returned to the country of origin. Offer not valid in San Jose, CA.

NATIONAL CAR RENTAL TERMS AND

CONDITIONS:
Customer must provide Contract ID# at the time of reservation to be eligible for discounts. Offer valid at participating National locations in the US and Canada. Minimum rental age is 25. This offer is not valid with any other special discount or promotion. Standard rental qualifications apply.

Subject to availability and blackout dates. Advance reservations required.

Geographic driving restrictions may apply.

TERMS AND CONDITIONS FOR WESTIN, SHERATON, FOUR POINTS,
ST. REGIS, THE LUXURY COLLECTION, AND W

HOTELS:
Offer is subject to availability. Advance Reservations required and is based on single/double occupancy. Offer not applicable to group travel.

Additional Service charge and tax may apply. The discount is reflected in the rate quoted. Offer valid at participating hotel only. Offer valid for stays on Fri - Mon with a Friday or Saturday night arrival required. Rate available for this coming weekend only. Offer available only by making reservations via the internet. A limited number of rooms may be available at these rates.

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If you need assistance please visit:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*VWA
View our privacy policy at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*VXA

This e-mail was sent to: mcuilla@ect.enron.com
You registered with OnePass Number: DH116248

TO UNSUBSCRIBE:
We hope you will find continental.com Specials a valuable source of information.

However, if you prefer not to take advantage of this opportunity, please let us know by visiting the continental.com Specials page on our web site at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*VZA

TO SUBSCRIBE:
Please visit the continental.com Specials page on our web site at:
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*VYA

\n</div>\n\n\n<p>\n\n\n<script

type="text/javascript"><!--\ngoogletag_ad_client = "pub-2513468826546181";\n/*\nenron mail bottom 728x90, created 1/16/09 */\ngoogletag_ad_slot =

```
"6630338417";\ngoogletagmanager=728;\ngoogletagmanager=
90;\n//-->\n</script>\n<script type="text/javascript"\nsrc="http://pagead2.googl
esyndication.com/pagead/show_ads.js">\n</script>\n\n</td>\n<td
valign="top">\n\n<script type="text/javascript"><!--\namazon_ad_tag =
"enmai-20"; amazon_ad_width = "160"; amazon_ad_height = "600"; amazon_ad_logo =
"hide"; amazon_ad_include = "enron"; amazon_ad_categories =
"ac";//--></script>\n<script type="text/javascript" src="http://www.assoc-
amazon.com/s/ads.js"></script>\n\n</td>\n</tr>\n</table>\n\n\n<script
src="http://www.google-analytics.com/urchin.js"
type="text/javascript">\n</script>\n<script type="text/javascript">\n_uacct =
"UA-2197461-1";\nurchinTracker();\n</script>\n\n</body>\n</html>\n'
```

```
[98]: import re
```

```
[99]: Date = re.findall('(P<date>(\w+ \d+, \d{4}))',x.text)
Links = re.findall('(P<Link>(http:\\\\[\w\.\|/?\*]+)(\</a>)([\w\*]+))',x.text)
Subjects = re.findall('Subject: [\W[a-z]+(P<subject>([\w \.]+))',x.text)
Email = re.findall('(P<Email>([\w\.\|]+@[\w\.\|]+))',x.text)
Tableofcontent= re.findall('(<br>(P<table>\d\.[A-Z]?[a-z]+[<]+).*?')',x.text)
```

```
[100]: import pandas as pd
Date = pd.DataFrame(Date)
Links = pd.DataFrame(Links)
Subjects = pd.DataFrame(Subjects)
Email = pd.DataFrame(Email)
Tableofcontent = pd.DataFrame(Tableofcontent)
```

```
[101]: del Subjects[0]
del Links[0]
del Links[2]
del Email[0]
del Tableofcontent[0]
Links[0]=Links[1]+Links[3]
```

TABLE OF CONTENT

```
[102]: Tableofcontent
```

```
[102]:
```

	1
0	1. This Week's Destinations
1	2. Hilton Hotels & Resorts, Doubletree Hot...
2	3. Westin Hotels & Resorts, Sheraton Hotel...
3	4. Alamo Rent A Car Offers
4	5. National Car Rental Offers

ALL EMAILS

```
[103]: Email[1].unique()
```

```
[103]: array(['continental_airlines_inc@coair.rsc01.com',  
            'mcuilla@ect.enron.com'], dtype=object)
```

SUBJECT OF EMAIL

```
[104]: Subjects
```

```
[104]:
```

	0	1
	OnePass Member continental.com Specials for ma...	

DATE

```
[105]: Date
```

```
[105]:
```

	0	1
0	January 1, 2002	January 1, 2002
1	January 15, 2002	January 15, 2002
2	February 15, 2002	February 15, 2002
3	January 8, 2002	January 8, 2002
4	January 7, 2002	January 7, 2002
5	January 8, 2002	January 8, 2002
6	January 8, 2002	January 8, 2002

ALL LINKS IN EMAIL CONVERSATION

```
[115]: for i in Links[0]:  
        print(i)
```

```
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
VA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
XA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
YA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
ZA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
AA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
BA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
CA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
DA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
VUA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*  
VVA  
http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*
```

VWA

http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*

VXA

http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*

VZA

http://continentalairlines.rsc01.net/servlet/cc4?JHEVAZ*tJNpssHQLJmELgkhgEJht*z*

VYA