

Module 6: Programming and Troubleshooting

Case Study

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Case Study

Car Insurance High Premium Cases Report

A major national general insurance company has vehicle insurance business across the USA. At each state level, the company's HQ office receives daily finalized insurance cases in excel sheets from the various regions of that state (for example, NY state has 5 regions – North, South, East, West, Center – so five such files). The manager responsible for a given state must keep a check on the cases where the premium is beyond a given value. The Manager must consolidate all the data received from these files and then analyse for the cases where the premium is more than the threshold. This daily task is not very exciting for the managers, and therefore the insurance company wants to automate this for all the managers who are responsible for this in their respective states.

You are requested to build an automation using RPA UiPath wherein the input files are provided in a specified folder for a given state. All files are of the same format. Automate the process to pick-up the files from the specified folder and then do in-memory process for fetching cases which have a premium more than, say, \$1900. Show the result to the manager so that she could review such cases.

Solution Inputs:

1. Template data of a data file:

id	agency_name	customer_first_name	customer_last_name	customer_email	car_make	car_model	car_model_year	car_insurance_renewal_date	insurance_amount
1	Leannon, Emard and Bogisch	Steffi	Besantie	sbesantie0@unblog.fr	Toyota	MR2	1985	12/27/2016	\$ 1,417.54
2	Leannon, Emard and Bogisch	Chrotoem	Prator	cprator1@stanford.edu	Oldsmobile	Silhouette	2002	4/14/2017	\$ 199.18
3	Leannon, Emard and Bogisch	Torey	Giacaponi	tgiacaponi2@cpanel.net	Ford	Ranger	1988	11/30/2016	\$ 1,250.55
4	Leannon, Emard and Bogisch	Odelle	Machans	omachans3@timesonline.co.uk	Honda	Accord	1994	01-10-2017	\$ 324.68
5	Leannon, Emard and Bogisch	Alphonse	Wands	awands4@epa.gov	Maserati	GranSport	2005	02-02-2017	\$ 638.65
6	Leannon, Emard and Bogisch	Rosemonde	Burchatt	rburchatt5@amazon.de	Chevrolet	Corvette	2009	8/20/2017	\$ 698.87
7	Leannon, Emard and Bogisch	Alexandra	Cristoforo	acristoforo6@delicious.com	Volvo	960	1995	2/23/2017	\$ 539.91
8	Leannon, Emard and Bogisch	Teddy	Beveridge	tbeveridge7@ovh.net	Bentley	Azure	2008	11-10-2017	\$ 765.74
9	Leannon, Emard and Bogisch	Austin	Gasticke	agasticke8@facebook.com	GMC	Yukon	2013	10/18/2017	\$ 1,741.58
10	Leannon, Emard and Bogisch	Denys	Eringey	deringey9@nbcnews.com	Chevrolet	Camaro	1970	9/26/2017	\$ 1,859.84
11	Leannon, Emard and Bogisch	Fallon	Pring	fpringa@woothemes.com	Austin	Mini Cooper	1961	09-07-2017	\$ 1,178.66
12	Leannon, Emard and Bogisch	Oralia	Peeter	opeeterb@macromedia.com	Hyundai	Excel	1992	12/20/2017	\$ 1,883.65
13	Leannon, Emard and Bogisch	Hamil	Doy	hdoyc@cbc.ca	Mercedes-Benz	G-Class	2002	7/22/2017	\$ 1,549.56
14	Leannon, Emard and Bogisch	Deeyn	Itzkin	ditzkind@desdev.cn	Honda	Civic	2004	01-12-2017	\$ 568.22
15	Leannon, Emard and Bogisch	Vic	Alderwick	valderwicke@yahoo.co.jp	Bentley	Continental	2005	08-08-2017	\$ 1,194.67
16	Leannon, Emard and Bogisch	Netta	Fowlston	nfowlstonf@tiny.cc	Nissan	Frontier	2010	1/26/2017	\$ 941.37
17	Leannon, Emard and Bogisch	Tallou	Hedditeh	thedditeh@biblegateway.com	GMC	Suburban 1500	1996	1/21/2017	\$ 395.26
18	Leannon, Emard and Bogisch	Keriann	Hanaford	khanafordh@usa.gov	Pontiac	Safari	1988	10/24/2017	\$ 217.42
19	Leannon, Emard and Bogisch	Stanford	Laminman	slaminmani@addtoany.com	Mercedes-Benz	SL-Class	1999	07-12-2017	\$ 624.59
20	Leannon, Emard and Bogisch	Clemente	Woodroofe	cwoodroofej@ft.com	Toyota	Avalon	2003	12-11-2017	\$ 1,745.72
21	Leannon, Emard and Bogisch	Reggy	Ladlow	rladlowk@shareasale.com	Nissan	Quest	2001	6/15/2017	\$ 488.88
22	Leannon, Emard and Bogisch	Charis	Huband	chubandi@scribd.com	Acura	TL	2006	9/26/2017	\$ 1,012.93
23	Leannon, Emard and Bogisch	Kimberlyn	Frantzen	kfrantzenim@weebly.com	Dodge	Caravan	2003	08-07-2017	\$ 1,102.38

2. Use the attached sample data files for building the automation and testing:



ny-east.xlsx



ny-central.xlsx



ny-west.xlsx



ny-south.xlsx



ny-north.xlsx

3. Hint: Directory.GetFiles to get the list of data files. DataTable. DataTable.Select.

Link for the input files:

https://www.edureka.co/medias/raaedyn55u/download?media_file_id=246736813