

# Update laptop\_price\_calculator\_dev\_10.1.E.py #13

Open

ISAACLINDROOS wants to merge 1 commit into main from development

Conversation 0

Commits 1

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Files changed 1

Changes from all commits

File filter

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53 .../Laptop Price Calculator 10.1.E (Development)/build/laptop_price_calculator_dev_10.1.E.py			
49	return ASSETS_PATH / Path(path)	49	return ASSETS_PATH / Path(path)
50		50	
51		51	
52	- # Pandas Dataframe Configuration: (Set Columns)	52	+ # Pandas <b>Main</b> Dataframe Configuration: (Set Columns)
53	columns = ['brand', 'model', 'processor_brand',	53	columns = ['brand', 'model', 'processor_brand',
	'processor_name', 'processor_gnrtn', 'ram_gb', 'ram_type',		'processor_name', 'processor_gnrtn', 'ram_gb', 'ram_type',
	'ssd', 'hdd', 'os', 'os_bit', 'graphic_card_gb',		'ssd', 'hdd', 'os', 'os_bit', 'graphic_card_gb',
54	weight', 'display-size', 'warranty',	54	weight', 'display-size', 'warranty',
	'touchscreen', 'msoffice', 'latest_price', 'old_price',		'touchscreen', 'msoffice', 'latest_price', 'old_price',
	'discount', 'star_rating', 'ratings', 'reviews']		'discount', 'star_rating', 'ratings', 'reviews']
55	df = pd.read_csv(ASSETS_PATH /	55	df = pd.read_csv(ASSETS_PATH /
	"laptops_dataset_clean_refined.csv",		"laptops_dataset_clean_refined.csv",
56	usecols=['os', 'ssd', 'ram_gb',	56	usecols=['os', 'ssd', 'ram_gb',
	'display_size', 'touchscreen', 'brand'])		'display_size', 'touchscreen', 'brand'])
57		57	
58	- # Pandas Dataframe refinement: (Removing all Rows with NaN	58	+
	Values within the Main Dataframe & Updateing the Index axis		
	Accordingly)	59	+ # Pandas Main Dataframe refinement: (Removing all Rows with
			NaN Values within the Main Dataframe & Updateing the Index
			axis Accordingly)
59	df = df.dropna()	60	df = df.dropna()
60	print("Main Dataframe:\n", df)	61	print("Main Dataframe:\n", df)
61	df = df.dropna(axis=0)	62	df = df.dropna(axis=0)
62	df = df.dropna().reset_index(drop=True)	63	df = df.dropna().reset_index(drop=True)
63	print(df)	64	print(df)
64		65	
65		66	
66	- # Function: "Display settings (Pandas dataframe)"	67	+ # Pandas Results Dataframe Configuration: (Set Columns)
		68	+ columns = ['brand', 'model', 'processor_brand',
			'processor_name', 'processor_gnrtn', 'ram_gb', 'ram_type',
			'ssd', 'hdd', 'os', 'os_bit', 'graphic_card_gb',
		69	+ weight', 'display-size', 'warranty',
			'touchscreen', 'msoffice', 'latest_price', 'old_price',
			'discount', 'star_rating', 'ratings', 'reviews']
		70	+ df_results = pd.read_csv(ASSETS_PATH /
			"laptops_dataset_clean_refined.csv",
		71	+ usecols=['os', 'ssd', 'ram_gb',
			'display_size', 'touchscreen', 'brand'])
		72	+
		73	+ # Pandas Results Dataframe refinement: (Removing all Rows
			with NaN Values within the Main Dataframe & Updateing the
			Index axis Accordingly)
		74	+ df_results = df.dropna()
		75	+ df_results = df.dropna(axis=0)
		76	+ df_results = df.dropna().reset_index(drop=True)

		77	+
		78	+
		79	+ # Function: "Display settings (ALL Pandas dataframes)"
67	def set_pandas_display_options() -> None:	80	def set_pandas_display_options() -> None:
68	display = pd.options.display	81	display = pd.options.display
69	display.max_columns = 1000	82	display.max_columns = 1000
70	display.max_rows = 1000	83	display.max_rows = 1000
71	display.max_colwidth = 199	84	display.max_colwidth = 199
72	display.width = 1000	85	display.width = 1000
73		86	
74	-		
75	set_pandas_display_options()	87	set_pandas_display_options()
76		88	
		89	+
		90	+
77	# Individual dataframe Configuration:	91	# Individual dataframe Configuration:
78	os_windows_df = df.os == "Windows"	92	os_windows_df = df.os == "Windows"
79	os_mac_df = df.os == "Mac"	93	os_mac_df = df.os == "Mac"
168		182	
169		183	
170	def user_select_display_size_13_3():	184	def user_select_display_size_13_3():
171	- df.update(display_size_13_3_df, overwrite=True)	185	+ df.update(display_size_13_3_df, overwrite=False)
172	print(df)	186	print(df)
173		187	
174		188	
175	def user_select_display_size_14():	189	def user_select_display_size_14():
176	- df.update(display_size_14_df, overwrite=True)	190	+ df.update(display_size_14_df, overwrite=False)
177	print(df)	191	print(df)
178		192	
179		193	
180	def user_select_display_size_15_6():	194	def user_select_display_size_15_6():
181	- df.update(display_size_15_6_df, overwrite=True)	195	+ df.update(display_size_15_6_df, overwrite=False)
182	print(df)	196	print(df)
183		197	
184		198	
185	def user_select_display_size_16():	199	def user_select_display_size_16():
186	- df.update(display_size_16_df, overwrite=True)	200	+ df.update(display_size_16_df, overwrite=False)
187	print(df)	201	print(df)
188		202	
189		203	
222	print(df)	236	print(df)
223		237	
224		238	
225	- def results_dataframe():		
226	- # Pandas Dataframe Configuration: (Set Columns)		
227	- columns = ['brand', 'model', 'processor_brand',		
	'processor_name', 'processor_gnrtn', 'ram_gb', 'ram_type',		
	'ssd', 'hdd', 'os', 'os_bit', 'graphic_card_gb',		
228	- 'weight', 'display-size', 'warranty',		
	'touchscreen', 'msoffice', 'latest_price', 'old_price',		
	'discount', 'star_rating', 'ratings', 'reviews']		
229	- df = pd.read_csv(ASSETS_PATH /		
	"laptops_dataset_clean_refined.csv",		
230	- usecols=['os', 'ssd', 'ram_gb',		
	'display_size', 'touchscreen', 'brand'])		
231	- df = df.dropna()		
232	- print("Main Dataframe:\n", df)		
233	- df = df.dropna(axis=0)		
234	- df = df.dropna().reset_index(drop=True)		
235	- print(df)		
236	-		
237	-		
238	# Datalabel readout Configuration:	239	# Datalabel readout Configuration:
239	- datalabel = results_dataframe	240	+ datalabel = df_results
240		241	
241		242	

242	# Create a Results GUI class to connect the Results GUI and the Main Window's GUI:	243	# Create a Results GUI class to connect the Results GUI and the Main Window's GUI:
305		306	
306	ResultsWindow = ResultsWindowGUI()	307	ResultsWindow = ResultsWindowGUI()
307		308	
308	-		
309	# Function "Refresh Window":	309	# Function "Refresh Window":
310	def refresh():	310	def refresh():
311	window.update()	311	window.update()
312		312	
313	-	313	+
314	# Function "Quit Window + Confirmation":	314	# Function "Quit Window + Confirmation":
315	def confirm():	315	def confirm():
316	answer = askyesno(title='Exit Confirmation',	316	answer = askyesno(title='Exit Confirmation',
317	message='Are you sure that you want to	317	message='Are you sure that you want to
	quit?', icon='warning')		quit?', icon='warning')
318	if answer:	318	if answer:
319	closewindow()	319	closewindow()
320	-	320	+
321		321	
322	# Function "Generation + Confirmation":	322	# Function "Generation + Confirmation":
323	def confirmgen():	323	def confirmgen():
324	answer = askyesno(title='Confirm Price Generation',	324	answer = askyesno(title='Confirm Price Generation',
325	message='Are you sure that you want to	325	message='Are you sure that you want to
	Generate results?')		Generate results?')
326	if answer:	326	if answer:
		327	+        df['count'] = df[['os', 'ssd', 'ram_gb',
		328	+        'touchscreen', 'brand']].sum(axis=1)
		329	+        rslt_df = df[df['count'] > 3]
			print(rslt_df)
327	ResultsWindow.showresultswindow()	330	ResultsWindow.showresultswindow()
328		331	
329		332	