GreedyGame Assignment-Suketh K Srivatsan

Initial Load of page

On selecting dates and hitting the "click here to generate tables button " a Fetch API is called at the endpoint to retrieve all reports by date and to obtain all the apps, now these two array of objects are merged into order to make it into a single table using the app_id as the key.

On selection of dates suppose from 1st-Jan to 20th Jan 2023 we fetch all the data to render a table

On clicking the button, we get a table.

The table headings are contain total number of apps, dates, total number of responses ,impressions ,clicks ,revenue ,average Fill Rate and the average CTR expressed in percentages.

App ID 100	App Names-100	Dates-100	Requests-105321050	Responses-105316450	Impressions-105291262	Clicks-105241563	Revenue-$12431.112121094202	Fill Rate-100.00437611189294%	CTR-99.9528644137555%
123456	Panda Draw	2023-01-01T00:00:00Z	1058217	1058148	1057745	1057349	26.603472580522933	100.00652082695426	99.96256186509981
789652	Number Ninja	2023-01-01T00:00:00Z	1078462	1078420	1078207	1078126	238.09124001481615	100.00389458652474	99.99248752790513
741553	Word Crush	2023-01-01T00:00:00Z	1058561	1058549	1058357	1057743	206.72605853220227	100.00113362725769	99.94198554929953
986321	Brain Quiz	2023-01-01T00:00:00Z	1078131	1078076	1077821	1077799	186.13005813521016	100.00510168114307	99.99795884474324
320248	Age Calculator	2023-01-01T00:00:00Z	1028183	1028132	1027714	1027086	83.58787568874541	100.0049604525489	99.93889350539158
123456	Panda Draw	2023-01-02T00:00:00Z	1098842	1098824	1098407	1097592	44.21054355956137	100.00163811493015	99.92580163819058
789652	Number Ninja	2023-01-02T00:00:00Z	1084052	1084035	1084027	1083091	116.18214568165763	100.00156821504841	99.9136552871838
741553	Word Crush	2023-01-02T00:00:00Z	1008983	1008941	1008524	1007717	308.15078332465015	100.00416278057884	99.91998207281135
986321	Brain Quiz	2023-01-02T00:00:00Z	1035304	1035255	1035011	1034737	126.63667124992931	100.0047331333826	99.97352685140544
320248	Age Calculator	2023-01-02T00:00:00Z	1052239	1052166	1052139	1051701	73.1763847483283	100.00693806870778	99.95837051948459
123456	Panda	2023-01-	1088597	1088501	1088364	1087554			

We observe that all fields are present with two new fields generated computed from the other parameters—Fill rate and CTR

And in order to hide or show a particular column we must click on the respective button of that column,

Upon clicking the column disappears/reappears.

App ID 100	Dates-100	Requests-104806404	Responses-104801175	Impressions-104776106	Clicks-104725678	Revenue-$12715.898812218502	CTR-99.95189194716517%
123456	2023-01-01T00:00:00Z	1012128	1012032	1011612	1011486	5.926676184551803	99.98754463173628
789652	2023-01-01T00:00:00Z	1009774	1009740	1009496	1008968	49.3124982444964	99.9476966723989
741553	2023-01-01T00:00:00Z	1010706	1010665	1010451	1009861	111.63117957325645	99.9416102314709
986321	2023-01-01T00:00:00Z	1042943	1042880	1042645	1042203	263.56928007645377	99.9576078147404
320248	2023-01-01T00:00:00Z	1008863	1008849	1008609	1007752	246.63976247194157	99.91503149386928
123456	2023-01-02T00:00:00Z	1070339	1070308	1070202	1069472	15.56194268318905	99.93178857823102
789652	2023-01-02T00:00:00Z	1057280	1057232	1057111	1056584	60.86198429120243	99.95014714632616
741553	2023-01-02T00:00:00Z	1042861	1042857	1042486	1041676	171.6272553085803	99.92230111483512
986321	2023-01-02T00:00:00Z	1045304	1045218	1044722	1043936	98.27992893782258	99.9247646742387
320248	2023-01-02T00:00:00Z	1000109	1000035	999575	999231	60.01988395665089	99.96558537378385

Upon clicking on "Toggle App Name Visibility" and "Toggle Fill Rate Visibility" , we notice that the columns disappear

Before Sorting–

Click on these buttons to show/hide a column present in the table

Toggle App ID Visibility Toggle App Name Visibility Toggle Date Visibility Toggle Requests Visibility Toggle Responses Visibility Toggle Impressions Visibility Toggle Clicks Toggle Revenue Toggle FillRate Visibility Toggle CTR Visibility

Click on the heading of the table,for instance -"app_id" to sort by app_id

Total number of field entries,averages have been calculated and inserted accordingly

App ID 100	Dates-100	Requests-104806404	Responses-104801175	Impressions-104776106	Clicks-104725678	Revenue-$12715.898812218502	CTR-99.9518919471617%
123456	2023-01-01T00:00:00Z	1012128	1012032	1011612	1011486	5.926676184551803	99.98754463173628
789652	2023-01-01T00:00:00Z	1009774	1009740	1009496	1008968	49.3124982444964	99.9476966723989
741553	2023-01-01T00:00:00Z	1010706	1010665	1010451	1009861	111.63117957325645	99.9416102314709
986321	2023-01-01T00:00:00Z	1042943	1042880	1042645	1042203	263.56928007645377	99.9576078147404
320248	2023-01-01T00:00:00Z	1008863	1008849	1008609	1007752	246.63976247194157	99.91503149386928
123456	2023-01-02T00:00:00Z	1070339	1070308	1070202	1069472	15.56194268318905	99.93178857823102
789652	2023-01-02T00:00:00Z	1057280	1057232	1057111	1056584	60.86198429120243	99.95014714632616
741553	2023-01-02T00:00:00Z	1042861	1042857	1042486	1041676	171.6272553085803	99.92230111483512
986321	2023-01-02T00:00:00Z	1045304	1045218	1044722	1043936	98.27992893782258	99.9247646742387
320248	2023-01-02T00:00:00Z	1000109	1000035	999575	999231	60.01988395665089	99.96558537378385

After clicking on the app_id table heading we observe Sorting operation taking place

Click on these buttons to show/hide a column present in the table

Toggle App ID Visibility Toggle App Name Visibility Toggle Date Visibility Toggle Requests Visibility Toggle Responses Visibility Toggle Impressions Visibility Toggle Clicks Toggle Revenue Toggle FillRate Visibility Toggle CTR Visibility

Click on the heading of the table,for instance -"app_id" to sort by app_id

Total number of field entries,averages have been calculated and inserted accordingly

App ID 100	Dates-100	Requests-104806404	Responses-104801175	Impressions-104776106	Clicks-104725678	Revenue-$12715.898812218502	CTR-99.9518919471617%
123456	2023-01-20T00:00:00Z	1026167	1026080	1025816	1025460	14.659109525638712	99.96529592051596
789652	2023-01-01T00:00:00Z	1009774	1009740	1009496	1008968	49.3124982444964	99.9476966723989
741553	2023-01-01T00:00:00Z	1010706	1010665	1010451	1009861	111.63117957325645	99.9416102314709
986321	2023-01-01T00:00:00Z	1042943	1042880	1042645	1042203	263.56928007645377	99.9576078147404
320248	2023-01-01T00:00:00Z	1008863	1008849	1008609	1007752	246.63976247194157	99.91503149386928
123456	2023-01-02T00:00:00Z	1070339	1070308	1070202	1069472	15.56194268318905	99.93178857823102
789652	2023-01-02T00:00:00Z	1057280	1057232	1057111	1056584	60.86198429120243	99.95014714632616
741553	2023-01-02T00:00:00Z	1042861	1042857	1042486	1041676	171.6272553085803	99.92230111483512
986321	2023-01-02T00:00:00Z	1045304	1045218	1044722	1043936	98.27992893782258	99.9247646742387
320248	2023-01-02T00:00:00Z	1000109	1000035	999575	999231	60.01988395665089	99.96558537378385