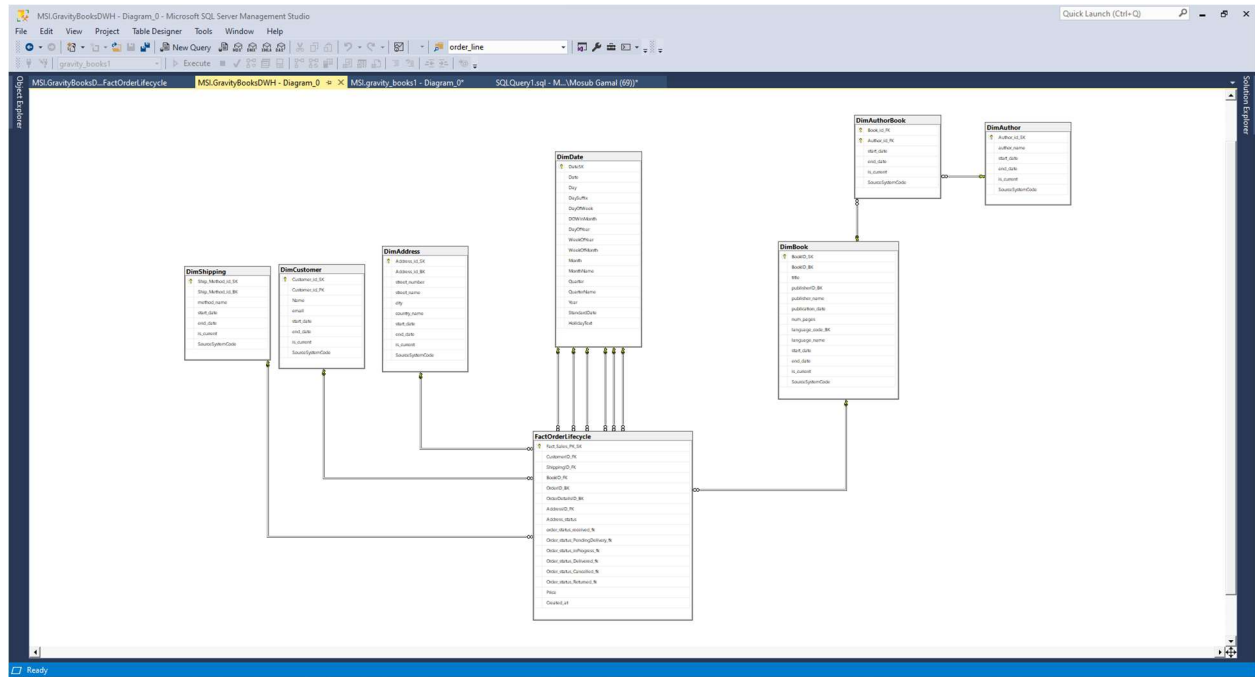
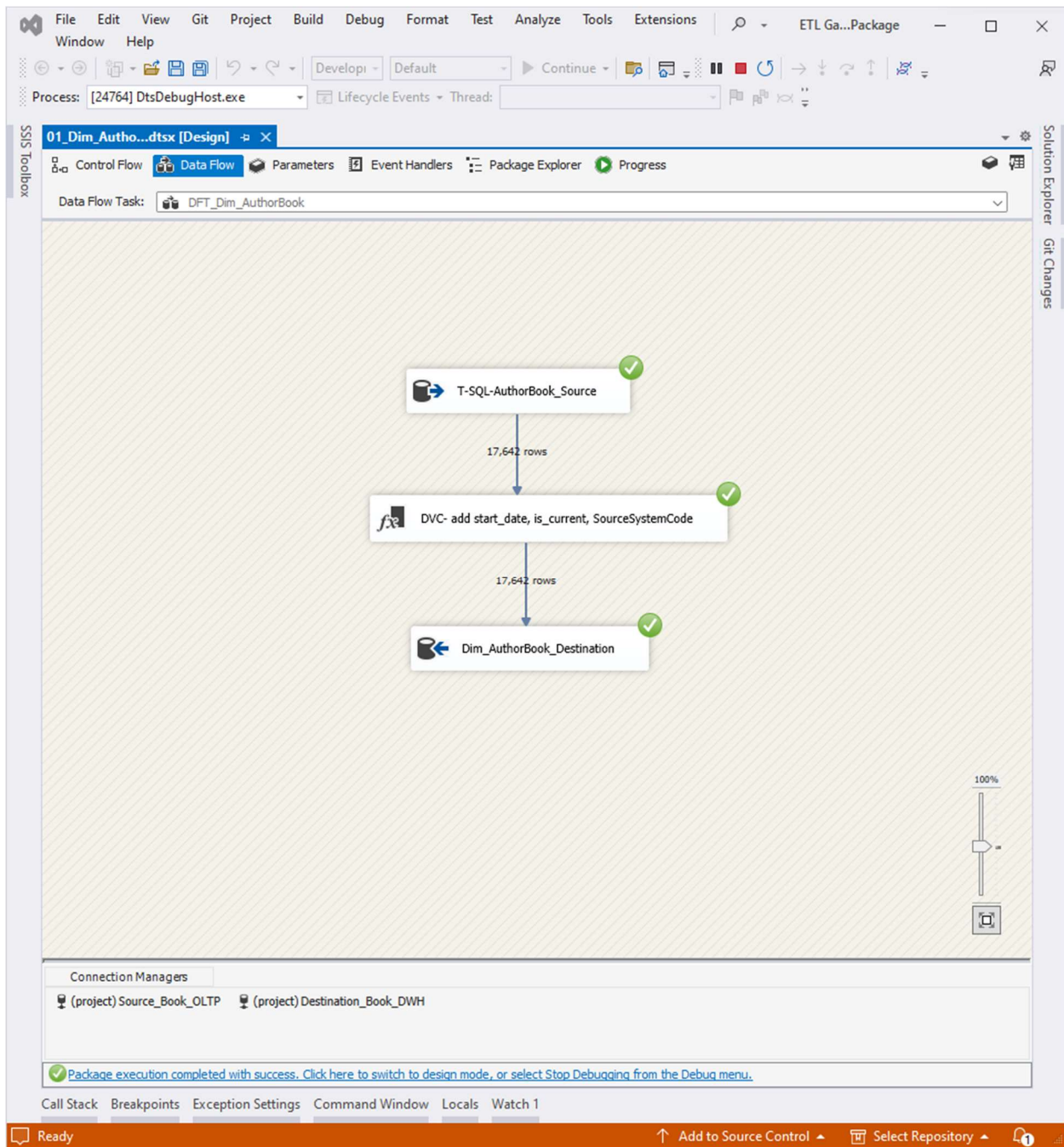


Model Gravity Books DWH “Star schema-with author-book snowflake”

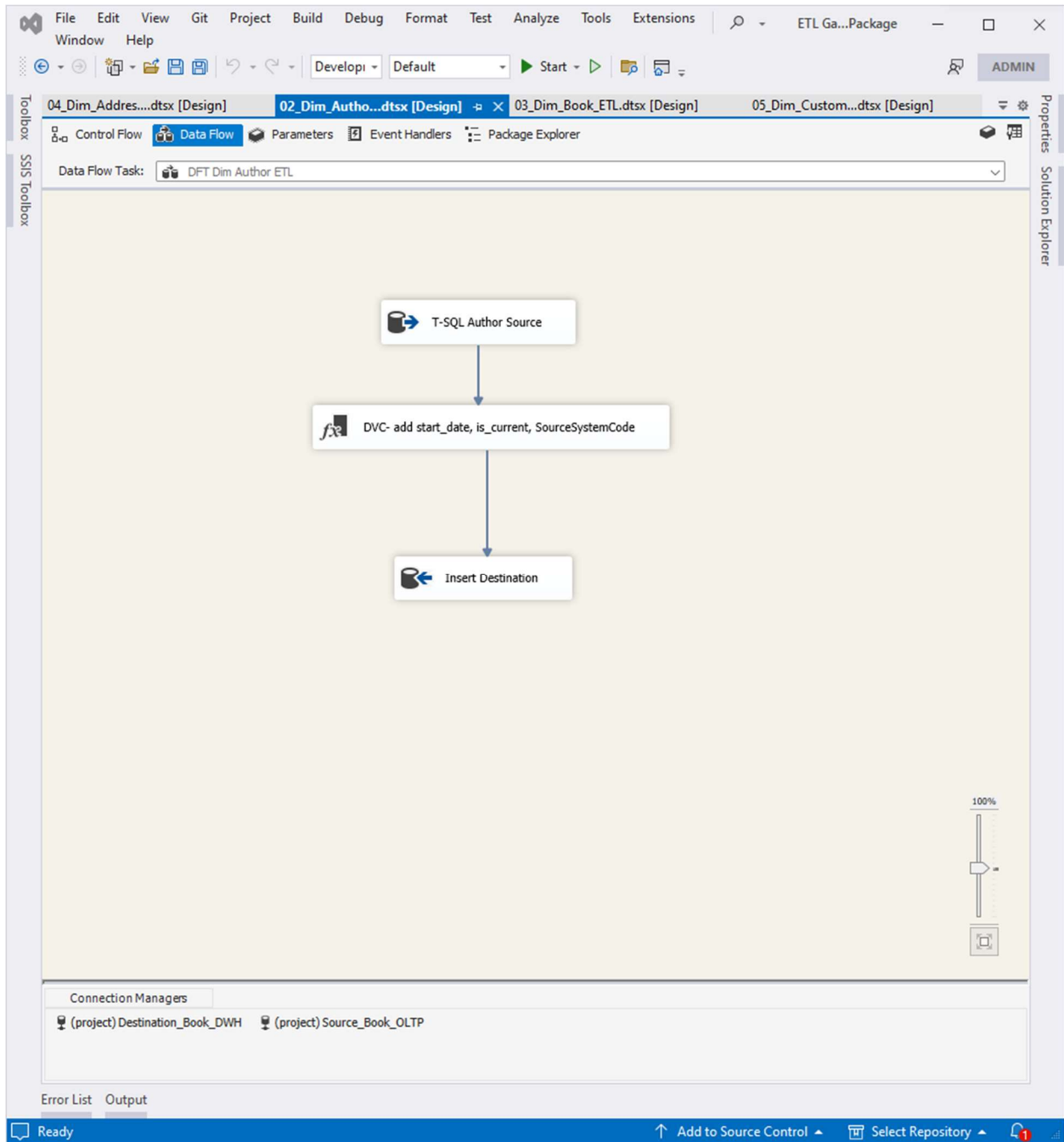


ETL SSIS Project

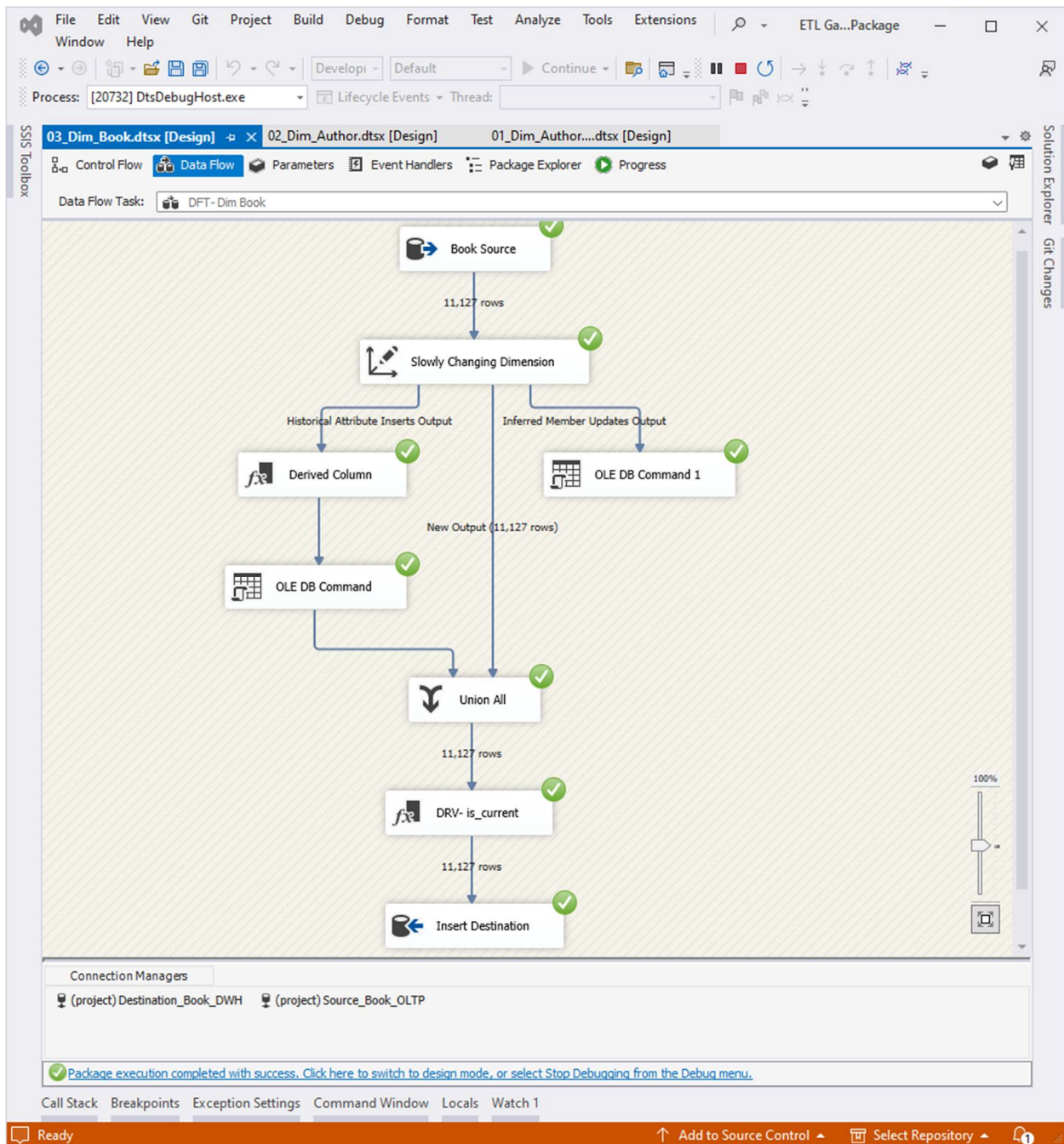
Dim_AuthorBook ETL



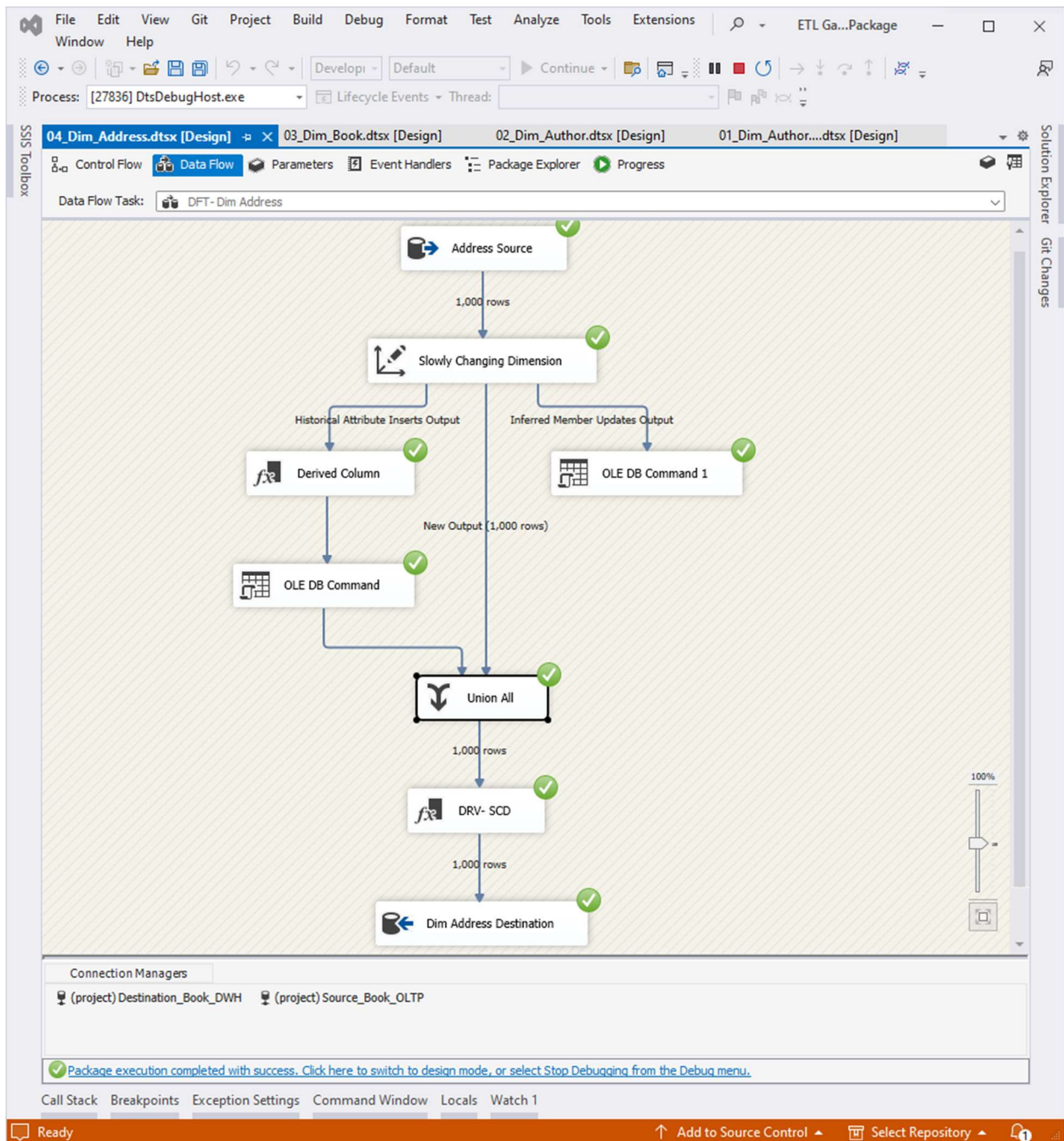
Dim_Author ETL



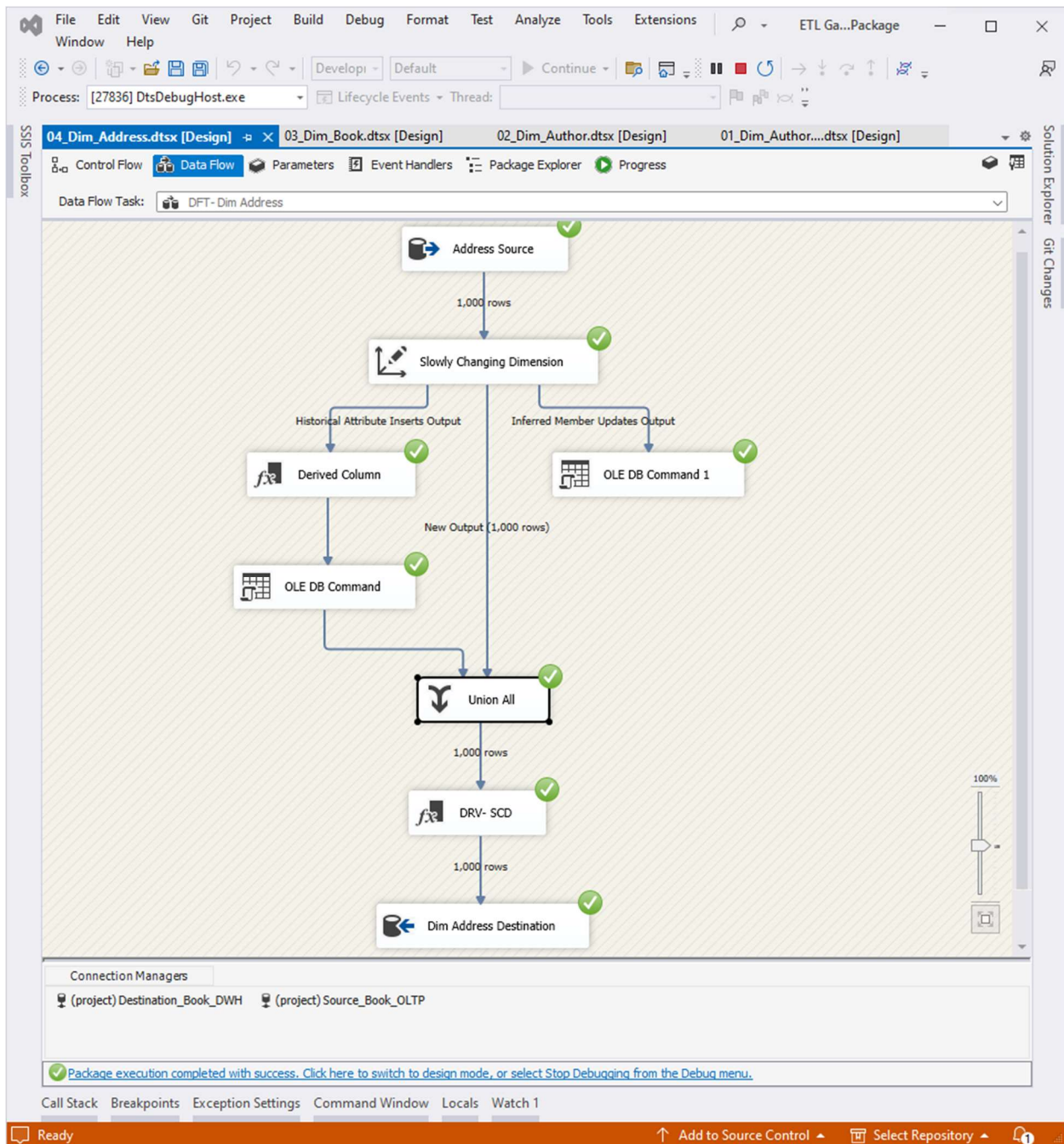
Dim_Book ETL



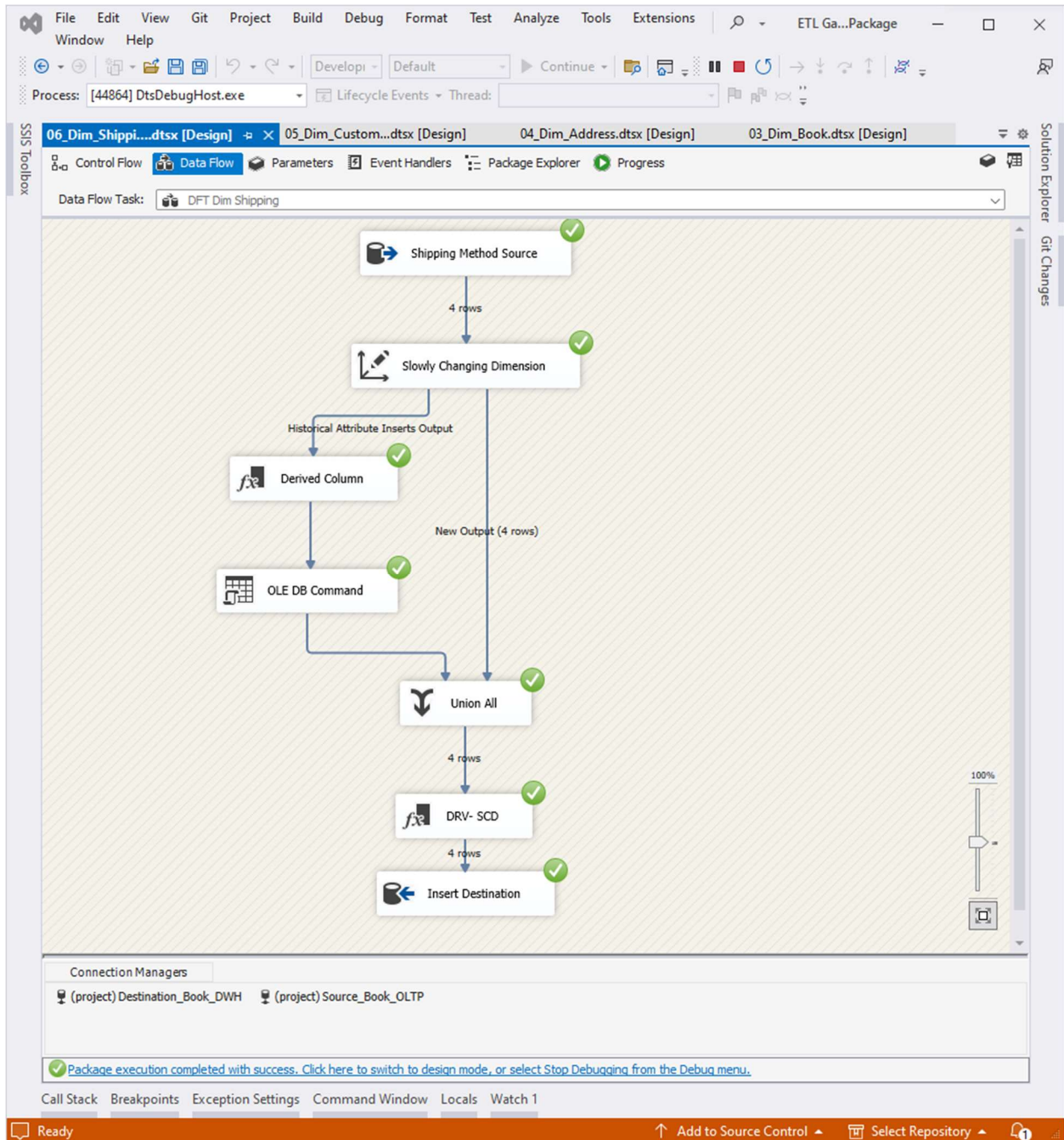
Dim_Customer ETL



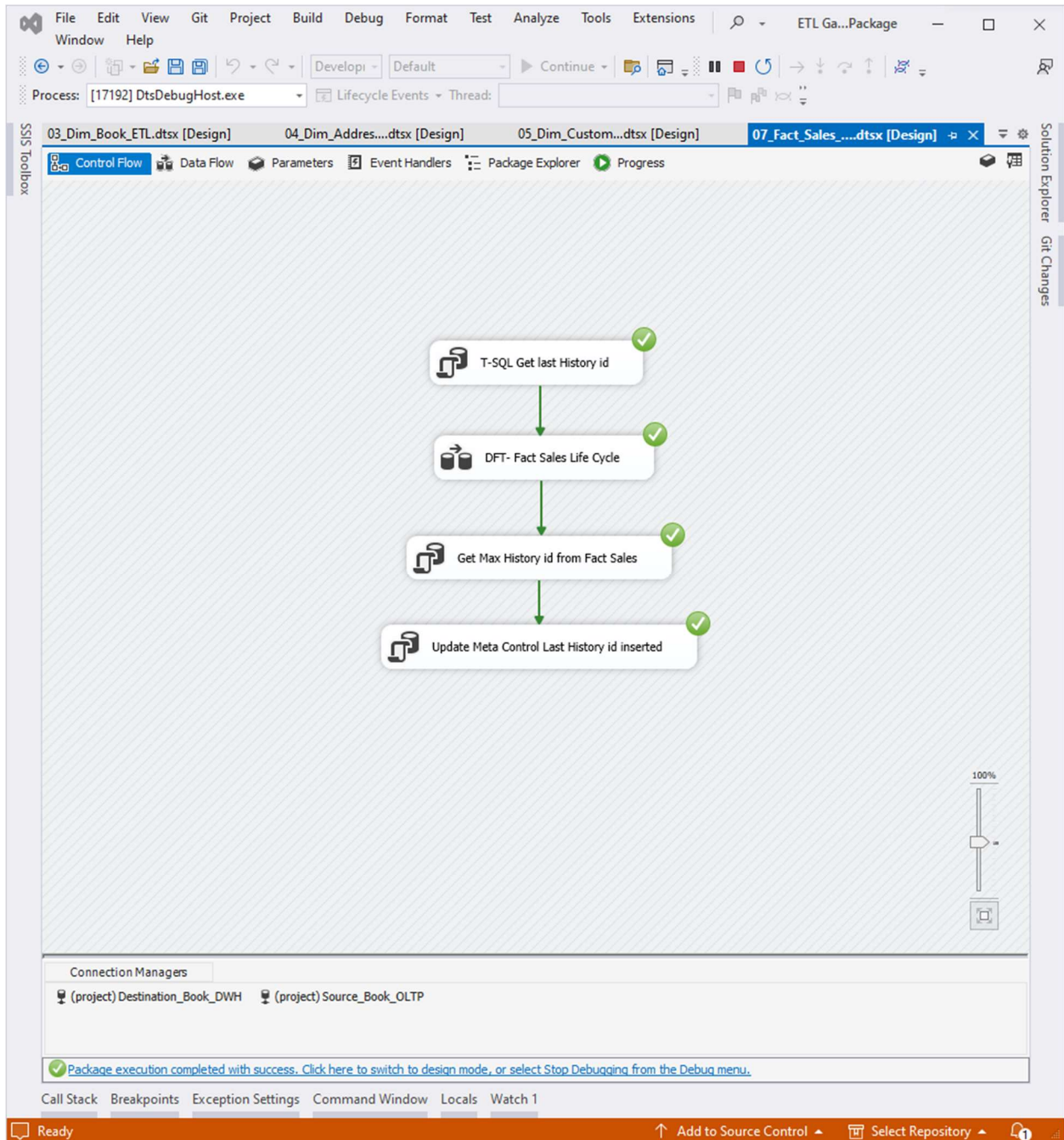
Dim_Address ETL



Dim_Shipping ETL



Fact Sales LifeCycle ETL



FileEditViewGitProjectBuildDebugFormatTestAnalyzeToolsExtensions

WindowHelp

Process: [19524] DtsDebugHost.exe

ETL Ga...Package

03_Dim_Book_ETL.dtsx [Design]04_Dim_Addres....dtsx [Design]05_Dim_Custom....dtsx [Design]07_Fact_Sales_....dtsx [Design]

Control FlowData FlowParametersEvent HandlersPackage ExplorerProgress

Data Flow Task: DFT - Fact Sales Life Cycle

The diagram illustrates a data flow task named 'DFT - Fact Sales Life Cycle'. It begins with a 'Fact Source' connector, which outputs 15,397 rows. This data passes through a series of lookup tasks: 'LKP- Customer BK to FK', 'LKP-Book BK to FK', 'LKP-Shipping BK to FK', and 'LKP-Address BK to FK'. Each lookup task produces a 'Lookup Match Output (15,397 rows)'. The data then flows into a 'DRV- SourceSystem' task, which also outputs 15,397 rows. Finally, the data is loaded into an 'OLE DB Destination' connector. All tasks in the flow are marked with a green checkmark, indicating successful execution. A zoom slider on the right is set to 100%.

Connection Managers

(project) Destination_Book_DWH (project) Source_Book_OLTP

Package execution completed with success. Click here to switch to design mode, or select Stop Debugging from the Debug menu.

Call StackBreakpointsException SettingsCommand WindowLocalsWatch 1

ReadyAdd to Source ControlSelect Repository

Result at Meta Control Fact

```
SELECT TOP (1000) [id]
, [history]
, [Last_history_id]
, [Load_date]
FROM [GravityBooksDWH].[dbo].[Meta_Control_Fact_Sales_Load]
```

100 %

Results Messages

	id	history	Last_history_id	Load_date
1	1	history_id	22348	2024-02-16 23:11:23.853

OLAP SSAS Project

Total Sales and Qty by year quarter month day

Year	Quarter	Month Name	Day Of Week	Price	Qty
2021	1	February	Friday	41.94	1
2021	1	February	Monday	14.07	1
2021	1	February	Saturday	57.49	2
2021	1	February	Sunday	38.2	2
2021	1	February	Thursday	4.66	1
2021	1	January	Sunday	26.91	1
2021	1	March	Friday	11.28	1
2021	1	March	Monday	114.03	6
2021	1	March	Saturday	58.07	2
2021	1	March	Sunday	57.2	2
2021	1	March	Tuesday	71.77	2
2021	1	March	Wednesday	29.67	2
2021	2	April	Friday	11.31	1
2021	2	April	Monday	11.59	1
2021	2	April	Tuesday	41.82	3
2021	2	June	Friday	26.77	1
2021	2	June	Monday	19.45	1
2021	2	June	Saturday	22.33	1
2021	2	June	Sunday	11.57	1
2021	2	June	Thursday	58.68	2
2021	2	June	Tuesday	46.29	3
2021	2	June	Wednesday	14.58	1
2021	2	May	Monday	84.25	3
2021	2	May	Saturday	18.69	1
2021	2	May	Sunday	18.54	1
2021	2	May	Thursday	30.25	1
2021	2	May	Tuesday	18.76	1
2021	3	August	Monday	24.4	1
2021	3	August	Sunday	30.23	1
2021	3	August	Tuesday	82.2	3
2021	3	July	Friday	39.83	3
2021	3	July	Monday	7.99	1
2021	3	July	Saturday	1.38	1

Total Sales and Qty by Shipping

Ship Method Id SK	Price	Qty
1	26362.1	1300
2	96086.9499999998	4699
3	29918.44	1499
4	1136.66	50

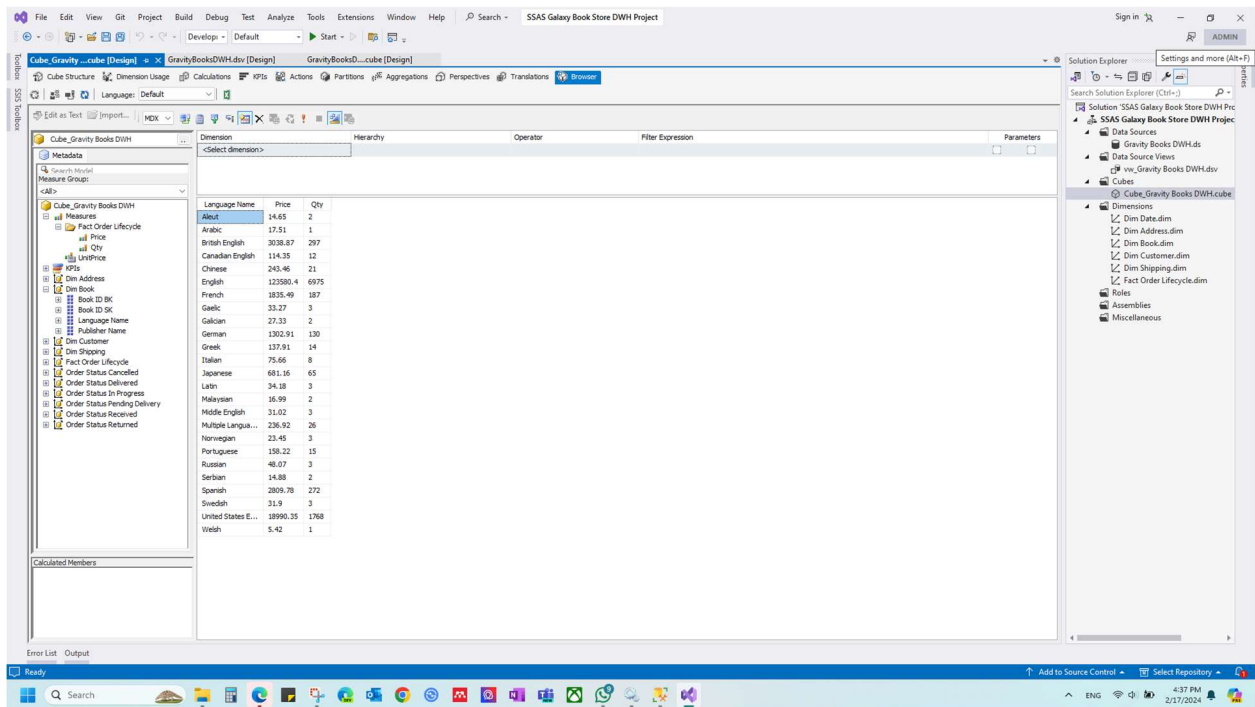
Total Sales and Qty by Language and Customer

Name	Language Name	Price	Qty
Aarika Leith-Harvey	English	49.6	4
Abbot Tesseymann	English	100.2	9
Abbot Tesseymann	Gaelic	10.77	1
Abbot Tesseymann	United States E...	10.58	2
Abbott Kendrick	British English	15.98	1
Abbott Kendrick	English	6.11	1
Abby Chevins	English	41.66	3
Abel Trower	British English	5	1
Abel Trower	English	102...	6
Abel Trower	French	1.88	1
Abigail Trowbridge	English	73.64	5
Abigail Trowbridge	United States E...	28.8	3
Adah Coty	English	41.01	3
Adar Frome	English	137...	8
Adar Frome	French	13.51	1
Adar Frome	Spanish	1.8	1
Adar Frome	United States E...	24.05	4
Addie Basterfield	English	51.38	2
Addie Basterfield	United States E...	18.75	1
Addison Sigg	English	52.25	3
Addison Sigg	United States E...	7.36	1
Adele Bromhead	English	65.76	5
Adele Bromhead	German	1.36	1
Adele Bromhead	United States E...	2.54	1
Adeline Selner	Canadian English	7.45	1
Adeline Selner	English	45.54	3
Adeline Selner	German	4.2	1
Adiana Tippetton	English	41.58	3
Adrian Kunzelmann	English	50.68	4
Adrian Kunzelmann	Japanese	10.77	1
Adrian Kunzelmann	Spanish	2.32	1
Adrian Kunzelmann	United States E...	10.38	1
Adriane Kays	English	52.1	3

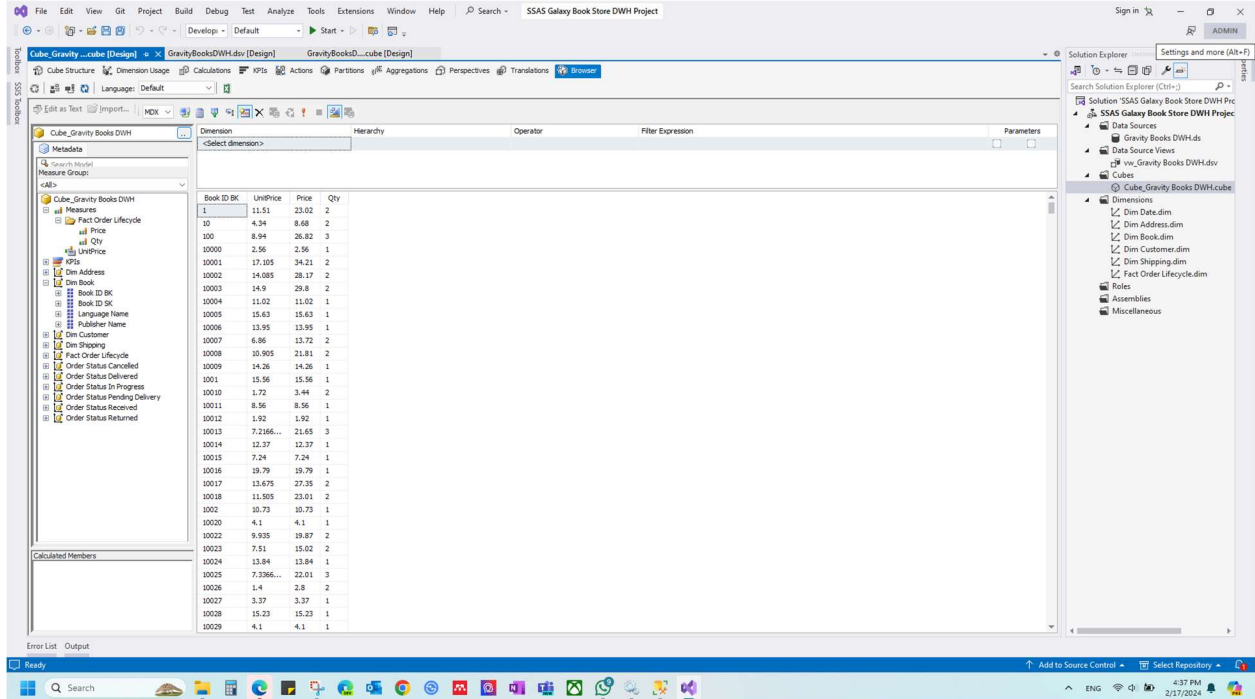
Total Sales and Qty by Customer

Name	Price	Qty	UnitPrice
Aarika Leith-Harvey	49.6	4	12.4
Abbot Tesseymann	228.55	8	28.56875
Abbott Kendrick	22.09	1	22.09
Abby Chevins	41.66	3	13.886...
Abel Trower	109.31	6	18.218...
Abigail Trowbridge	102.44	6	17.073...
Adah Coty	41.01	3	13.67
Adar Frome	176.75	10	17.675
Addie Basterfield	70.03	2	35.015
Addison Sigg	59.61	3	19.87
Adele Bromhead	69.66	6	11.61
Adeline Selner	57.19	3	19.063...
Adiana Tippetton	41.58	3	13.86
Adrian Kunzelmann	117.15	5	23.43
Adriane Kays	58.2	3	19.4
Agnes MacLinnon	19.38	3	6.46
Agnes Curwen	47.33	5	9.466
Agnes Durnick	183.07	9	20.341...
Agnes Kuhnwald	25.82	2	12.91
Agustin Trounce	114.57	5	22.914
Aguste Aliburton	108.19	7	15.455...
Ahmed Sattlali	41.21	3	13.77
Ahmed Casson	110.92	4	27.73
Ailey Jelden	36.1	2	18.05
Aina Gladhill	64.57	3	21.523...
Aml Wherry	68.07	3	22.69
Analise Gemeneth	120.27	6	20.711...
Alane McInless	50.59	2	25.295
Alarah Abramovic	28.03	1	28.03
Alarid Sneath	30.87	2	15.435
Alaster Lemmers	202.5	8	25.3125
Alyne Olexa	74.36	4	18.59
Aldon Stone	62.23	3	20.743...

Total Sales and Qty by Language



Total Sales and Qty for Book and unit Price



Dashboard

