

1. Test case for Sales Support Use Case:

Enhanced Decision-Making

1. *"Show the trading history for Capital client over the last six months."*
2. *"List all clients who traded bonds in the last six months."*
3. *"List all clients who traded bonds in the month of September."*
4. *"List all clients who traded bonds in the last month."*
5. *"What are the top three market trends impacting bond prices this week?"*

Personalized Bond Recommendations

1. *"Generate personalized bond recommendations for Vanguard client based on their trading history."*
2. *"Which high-quality short-duration bonds should I recommend to a client?"*
3. *"What bonds have cheapened over the last few months? What short sell trade idea can I pitch to my client?"*
4. *"What bonds have richened over the last few months and can I get a client to buy more?"*
5. *"My client wants to buy NVIDIA bonds, which bond should I recommend?"*
6. *"Which bonds should I pitch to a client focused on high-quality short-duration bonds?"*

Targeted Client Engagement

1. *"Identify high-potential clients who have shown interest in the financial sector."*
2. *"Identify high-potential clients who have shown interest in BAC bonds."*
3. *"What are the Sell Axes and who are the clients that I should contact and why?"*
4. *"What are the Buy Axes, who are the clients that I should contact and why?"*
5. *"My trader is axed to sell Boeing Bonds, who can I sell these bonds to and what do I say to my client?"*

Client and Trading Desk Axe Matching

1. *"What sell axes can I pitch to Blackrock?"*
2. *"What are the top 5 sell axes across all sectors?"*
3. *"What are the top 5 selling axes across all sectors?"*
4. *"Show me the largest technology sector axes."*
5. *"What are the Sell Axes and who are the clients that I should contact?"*
6. *"What are the Buy Axes and who are the clients that I should contact?"*
7. *"What sell axes can I pitch to my clients Blackrock?"*
8. *"List of sell axes for investment-grade and high-yield bonds."*
9. *"List of 5 sell axes for each investment-grade and high-yield bonds."*

Smart Bond Suggestion Engine

1. *"List of all bonds currently available for sale."*
2. *"List of bonds holding highest market value and whom to contact."*
3. *"Which bonds in the financial sector from the runs offer the high yields?"*
4. *"List all the cheapened bonds."*
5. *"List all the richened bonds."*
6. *"Show me the maturity date for BALL 4 7/8 03/15/26."*

2.Test case for Bond Screening Use Case:

Client Recommendations

1. If any client wants to buy NVIDIA bonds, which bond should I recommend?
 2. My trader is axed to buy Boeing Bonds, who can I buy these bonds from and what do I say to my client?
 3. What are the top NVIDIA bonds to buy?
 - 4.What are the best Boeing bonds to buy?
 5. What are the NVIDIA bonds to be sold?
 6. Who are the clients I should contact to buy cheapened bonds, and why?
 7. Which clients should I call on the BA 7.008 64 sell axe and why?
 8. What sell axes can I pitch to my clients?
 9. Which Clients are holding Boeing bonds with yield to worst less than 5%?
 10. Clients to contact with bond details for the market value 3850987.46.
 11. Which client should I contact for SBUX bond buy axes?
 12. Whom should I call on the AVGO 3 1/2 02/15/41?
 13. Who should I call on the FABSJV 6.4 38 sell axe?
 14. Who are the clients that would be interested in buying VMW 2.2 08/15/31?
 15. Show the client holding the highest quantity of bonds.
 16. List the yield to maturity of the bond with the market value of 3850987.46.
 17. Could you provide the security, issuer name, par held, par change, yield to maturity, and yield to worst of US316773DF47?
 18. Who should I contact for BAC bonds?
 19. Which clients are holding bonds issued by Vanguard?
 20. List all BlackRock bond clients.
- Bond Axes (30 Queries)
21. What are the axes for Boeing bond?
 22. What are the sell axes and buy runs for Boeing?

23. Show me the largest axe size for Boeing.
24. Show me all the buy axes for Banking sector bonds.
25. What are the sell axes for PepsiCo Inc.?
26. What are the buy axes for Oracle Corporation?
27. Show me all the axes held by Meta bond issuers.
28. Show me all long-end Boeing axes.
29. What are the axes for Zion bond?
30. What is the axe for ZION 3 1/4 10/29/29 bond?
31. Show me all SBUX bond axes.
32. List all axes for C bonds.
33. What are the buy axes for Boeing Bonds?
34. What are the sell axes for Boeing Bonds?
35. What are the sell axes for bonds issued by Apple?
36. What are the buy axes for bonds issued by Wells Fargo & Company?
37. What are the axes for NVIDIA bonds?
38. Show me all Boeing bond axes.
39. Show me the 5 largest axes for financial bonds.
40. Show me the largest technology sector axes.
42. Show me all the bond axes for C bonds.
43. What are the axes for V?
44. Show me all axes for bonds issued by Amazon.
45. Show me the bonds with the highest market value.
46. List the axes for SBUX 3 32 bond axes.
47. What are the sell axes for Oracle Corporation?
48. What are the buy axes for Oracle Corporation?
49. What are the sell axes and buy runs for SiriusXM Holdings Inc.?
50. Show me the bond axes for FABSJV bonds.

Bond Runs

51. What are the buy runs for Boeing?
52. What are the runs for PepsiCo Inc.?
53. What are the runs for Zion bond?
54. What are the runs for Oracle Corporation?
55. What are the sell runs for Boeing?
56. What are the buy runs for NVIDIA?
57. What are the sell runs and buy axes for SiriusXM Holdings Inc.?
58. What are the runs for Wells Fargo bonds?

59. What are the runs for bonds issued by Amazon?
60. Show me the runs for bonds issued by JP Morgan Chase & Co.
61. List all the runs for NVIDIA bonds.
62. What are the runs for bonds issued by Meta?
63. Show me all the runs for Oracle bonds.
64. List the runs for BAC bonds.
65. What are the buy runs for Boeing bonds?
66. Show me the buy runs for NVIDIA bonds.
67. List all the buy runs for Banking sector bonds.
68. What are the runs for financial sector bonds?

Bond Yields and Spreads

71. Which BBB- rated communication bonds whose B yield is greater than 4.30%?
72. What is the BBB-rated energy Bonds Yield greater than 5.5%?
73. List sell axe Boeing bonds that yield greater than 5%.
74. What are the BBB-rated 5-year Energy Bonds Yielding < 5.5%?
75. What are the BBB-rated financial Bonds Yielding > 5.5%?
76. Display the A Zspread and B Zspread for NOG 8 3/4 06/15/31.
77. Show me the A spread; B spread for bond WFC 3.068 04/30/41.
78. What are the yields for NVIDIA bonds to be sold?
79. Display the bond yield for Boeing Bonds.
80. What are the BBB- rated communication bonds?
81. Display the B Gspread and A Gspread for the bond SJM 5.9 11/15/28.
82. Show me the yield to maturity for bond T 0 3/4 04/30/26.
83. What are the yields for bonds issued by Amazon?
84. Show me the A Zspread and B Zspread for BAC bonds.
85. What are the yield spreads for bonds issued by Vanguard?

Bond Details and Filters

86. Display the total quantity for BAC 5.872 09/15/34.
87. List all bonds currently available for sale.
88. List of bonds with entries null/empty?
89. List of bonds with Negative amount/price.
90. List of bonds with incorrect maturity date?
91. List out the bonds with maturity date more than 50 years.
92. List out the bonds with maturity date less than 1 year.
93. What's the ISIN for IBM 5 1/4 02/05/44?
94. Show me all bonds issued by JP Morgan Chase & Co.

95. Show me all bonds issued by Amazon.
96. List bonds with multiple entries/duplicate bonds.
97. List bonds with bond descriptions containing special characters.
98. What are the bond issuers for OMF 7 1/2 05/15/31?
99. List bonds with zero quantity.
100. What is the trade status for 2024-06-05?
102. Show me bonds with the highest market value.
103. Show me bonds with invalid data formats.
104. What are the bonds that have cheapened over the last three days?
105. List bonds that do not meet high-yield criteria.
106. What is the market value of BAC 2.972 02/04/33?
107. Show me the par held for US06051GKK49.
108. What's the S&P rating of WFC 3.068 04/30/41?
109. Show me all bonds traded by Jessica.
110. What's the Moody's rating for BAC bonds?
111. Show me bonds issued by financial sector issuers.
112. List all IG bonds.
113. List all HY bonds.
114. Show me bonds with par change > 1M.
115. Show me bonds issued by industrial sector issuers.
116. What's the par change for Vanguard bonds?
117. Show me bonds issued by Meta with invalid ratings.
118. List bonds issued by technology sector issuers.
119. Show me bonds with Ask price < 100.

Market Analysis

121. What is the list of bonds that have cheapened YTD?
122. Show me the most actively traded bond for Vanguard.
123. What is the market trend for BlackRock?
124. Trading analysis for BlackRock.
125. What is the year-to-date traded volume of BAC bonds with Neuberger?
126. What are the recent bond trades for Jessica?
127. What are the bonds missed by Noah?
128. Show me the market trends for financial bonds.
129. What are the market value trends for bonds with 10+ years maturity?

130. Show me recent trades for Boeing bonds.
131. Show me total Unique bonds held by BlackRock.
132. Show me total Unique bonds held by Vanguard.
133. Show me total Unique bonds held by Neuberger.
134. Show me total number of Unique bonds held by Goldman.
135. Show me total number of Unique bonds held by HYG.
136. Show me total number of Unique bonds held by LQD.
137. Show me the total number of Unique bonds held by Capital.
138. List the most actively traded bonds for Capital.
139. Show me financial bond trades by Capital.
140. Show me technology bond trades by Vanguard.
141. List bonds traded by Vanguard.
142. Show me recent bond trades by Noah.
143. What are the market trends for bonds issued by Meta?
144. Show me the largest axes for financial bonds.
145. Show me bonds traded by BlackRock in the last year.
146. List all financial sector bond trades.
147. Show me recent trades for IG bonds.
148. Show me recent trades for HY bonds.
149. What are the most actively traded bonds by sector?
150. Show me all industrial bond trades.
151. Show me the trade volume for HY bonds.
152. Show me the trade volume for IG bonds.
153. List trades for Meta bonds.
154. Show me trades for financial bonds.

3.Test case for AI driven Client Engagement Use Case:

Relevant Market Insights

- 1.Summarize the bonds with the highest B-Z and A-Z spread fluctuations lately.
- 2.What bonds with maturity dates within the next quarter are showing significant spread increases?
- 3.Are there any changes with the s&p ratings

Market Insights on Sectors and Bond types

1. List the bonds that are maturing soon?
2. Which bond types are most affected by recent interest rate changes?
3. Can you summarize the credit trends for bonds rated differently across S&P, Moody's, and Fitch?
4. What bonds are currently displaying significant yield differences relative to their last reported S&P rating?

Future Enhancement

1. Relevant Market Insights

1. Daily summary of buy and sell axes relevant to my client's portfolio.
2. How have recent changes in benchmark rates impacted bid and ask spreads for financial sector bonds?
3. Summarize the bonds with the highest B-Z and A-Z spread fluctuations in the past 24 hours.
4. Are there any major shifts in trading volumes for bonds with a Fitch rating downgrade this week?
5. Which bonds have the lowest spreads relative to their benchmarks lately?

2. Market Insights on Sectors and Bond Types

1. What bonds with maturity dates within the next quarter are showing significant spread increases?
2. Identify potential high-liquidity bonds within the energy sector that align with client interest.

4. Test case for AI driven Market Impact Analysis Use Case:

1. Bond Performance & Market Insights

1. What is the mid-price trend in the bond INTC 4.15 08/05/32?
2. From which source is CRM 2.9 07/15/51 data coming into market data?
3. What is the highest and lowest mid-price recorded for a bond META 4 3/4 08/15/34?

4. What is the average mid-spread for all bonds issued by a specific issuer, Meta Platforms Inc?
5. List of bonds having missing or inconsistent data in the market data.
6. How many bonds are held by Apple Inc from market data?
7. Which bonds have the highest mid-price across all issuers from market data?
8. Which bonds have the lowest mid-price across all issuers from market data?
9. Which bond is having the highest mid-spread?
10. Which bond is having the lowest mid-spread?
11. At what times of the day do mid-prices or mid-yields vary?
12. How many unique sources are providing market data?
13. Display the details for ISIN US90353TAQ31 from market data.
14. What is the highest and lowest mid-prices for META 4.45 08/15/52?
15. What is the trend of mid-yields for bonds with maturity dates of 5 years?
16. Can you plot a line chart showing how the mid-price of 'INTC 4.15 08/05/32' changed over time?

2. Trading Activity & Yield Analysis

17. What is the traded price trend for the bond CCI 5.2 09/01/34?
18. What is the highest and lowest traded yield recorded for a bond META 4 3/4 08/15/34?
19. What is the highest and lowest traded yield recorded for a bond META 4.75 08/15/34?
20. What is the average traded-spread for US036752AC75?
21. Display the details for ISIN US036752AC75 from TRACE data.
22. Display the security and other details for US036752AC75 from TRACE data.
23. Display the security, traded yield, traded price, and traded spread rating for US036752AC75 from TRACE data.

- 24. What is the trend for RIG 8.25 05/15/29 from TRACE data?
- 25. At what times of the day do traded-yields vary?
- 26. At what times of the day do traded yields vary for BBWI 6.875 11/01/35?
- 27. Which bond has the highest trading volume in the TRACE data?
- 28. What is the highest and lowest traded price for MMM 2.375 08/26/29?
- 29. What is the traded spread for the bond AIMEGR 10 10/31/28?
- 30. Which bond has the highest traded spread from TRACE data?
- 31. Which bond has the lowest traded spread from TRACE data?
- 32. What is the highest traded spread from TRACE data for GM 5.45 09/06/34?

3. Market Sentiment & Sector Analysis

- 33. Show me the lowest traded spread from TRACE data for GM 5.45 09/06/34.
- 34. What are the important changes in the market that I should update to a client?
- 35. List the yield to maturity of the bond with the market value of 3850987.46.
- 36. What is the lowest traded spread from TRACE data across all bonds?
- 37. What is the highest traded spread from TRACE data across all bonds?
- 38. Display the details for ISIN US036752AC75 from TRACE data.
- 39. What is the mid-yield value of BA 6.528 05/01/34 bond?
- 40. What is the lowest mid-price in the last 30 days for BA 6.528 05/01/34 bond?
- 41. What is the trend of AAPL 4.85 05/10/53 over the last 10 days?
- 42. What is the trend in price for Apple bonds?
- 43. What is the trend in spread for Intel bonds?

44. How have spreads/prices performed for front-end bonds (≤ 5 years), belly of the curve (10 years), and long end (≥ 30 years)?

45. Which sectors and bonds have outperformed for investment-grade bonds?

46. How have spreads/prices changed for single-A rated bonds vs BBB/Baa rated bonds?

4. Portfolio Management & Bond Strategy

47. What are the flows according to TRACE data (for any date/s, ranges)?

48. Which sector and bond has seen the greatest traded volumes according to TRACE?

49. Which bonds/sector have outperformed (or underperformed) according to TRACE?

50. List all of the large portfolio trades that were reported to TRACE (on any specific day).

51. For investment-grade bonds, how have spreads performed on Oct 2?

52. What is the trend in yields for Boeing bonds?

53. What is the current portfolio yield for a client holding a 50% position in long-term corporate bonds?

54. What is the risk profile of a portfolio consisting of 70% high-yield bonds?

55. How does the portfolio's duration compare to the benchmark?

56. What is the impact of rising interest rates on a client's portfolio with 80% of holdings in 10-year bonds?

57. What is the duration of the client's portfolio and how sensitive is it to interest rate changes?

58. What is the current market value of a client's portfolio containing bonds from the financial sector?

59. What percentage of the client's portfolio is invested in municipal bonds with 5-10 year maturities?

60. What is the overall risk-adjusted return for a portfolio with exposure to investment-grade and high-yield bonds?

5. Bond Trading & Market Analysis

61. What are the largest trades in the bond META 4.5 08/15/40 in the last 30 days?

62. What is the spread for the 10-year bonds from Google in the last 30 days?
63. How many bonds from the Energy sector have traded with spreads exceeding 200 basis points?
64. What are the 10 most actively traded bonds with the lowest spreads in the past week?
65. Which bonds have seen the highest spread changes in the last 30 days?
66. What are the yield trends for 5-year bonds issued by tech companies in the last 6 months?
67. Which sector has experienced the highest spread narrowing over the last 30 days?
68. Which bonds have the product description of WFC 3.068 04/30/41

1. Bond Performance and Market Insights

1. What are the expected portfolio risks if current recession indicators intensify?
2. Generate a summary of recent news affecting short-term vs. long-term bond yields.
3. How has the market sentiment shifted for bonds with BBB+ rating following this week's economic report?
4. Is there a noticeable sentiment trend for bonds rated A1 Moody's rating due to today's news?

2. Trading Activity and Yield Analysis

1. What specific market events this week are influencing bid-ask spreads for bonds in my client's portfolio?
2. How has the B yield changed for Visa Inc. bonds after this morning's economic release?
3. Which bonds with a coupon rate above 5% could be impacted by current market trends?

3. Market Sentiment and Sector Analysis

1. How might changes in credit ratings for a client's holdings influence overall portfolio sentiment?
2. What is the sentiment for bonds within the energy sector following today's news?

3. How is today's sentiment impacting bonds issued by Wells Fargo & Company?
4. What is the market sentiment regarding the US desk code bonds following the recent interest rate announcement?
5. What risks do financial sector bonds pose to my client's portfolio based on today's news?

4. Portfolio Management and Bond Strategy

1. How does the recent news affect my client's bonds with a 2041-04-30 maturity date within the next year?
2. Generate investment suggestions for clients with holdings in bonds rated BBB+.
3. What are the recommended actions for IG bonds given today's market sentiment?
4. What personalized insights can I share with clients invested in HY bonds following recent announcements?

Test case for News Data:

General Market News and Sentiment

1. "What is the impact of major news events on the market currently?"
2. "Provide a summary of the major news event."
3. "Can I get an overall update on the market today, including key trends and movements?"
4. "What recent changes in the market have affected the client's investments?"

Sector-Specific News and Sentiment

1. "What is the impact of current news on bonds in the technology sector?"
2. "What's the current sentiment on the energy sector?"

Company-Specific News and Sentiment

Boeing

1. "What is the outlook of Boeing?"
2. "Give me major news events for Boeing in the past month?"

Intel

1. "What is the outlook of Intel?"
2. "What's the news on Intel?"

IBM (International Business Machines Corporation)

1. "What's the news on International Business Machines Corporation?"
2. "What's the news on IBM?"
3. "what's the news on IBM?"
4. "What is the sentiment score for news articles related to IBM?"

Oracle Corporation

1. "What is the outlook for Oracle Corporation?"
2. "What's the news on Oracle?"

Apple

1. "What's the news on Apple?"

Morgan Stanley

1. "What is the outlook for Morgan Stanley?"

Other (Non-News Related)

What is a BFS Algorithm

what are the axes on c bonds

what are the axes for c bonds

What are the V axes

Or what are the axes for V

What is a BFS Algorithm

Which client should I contact for the TXN 4.9 03/14/3 buy axe?

CSCO 5.05 02/26/34 how much total volume has Capital traded year to date?

CSCO 5.05 02/26/34 how much total volume has Capital traded **for 2024**

Did the Fed cut interest rates

How many times did the Fed cut rates in 2024?

the Fed cut interest rates in October

what impact if the FOMC's October interest rate cut have on the economy

Did the Yield Curve steepen?

Did the Yield Curve steepen in 2024

Which members of the FOMC are hawkish/dovish/neutral?

which FOMC members are hawkish

which FOMC members are neutral