Project 1
Hive

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Tech Stack

Intellij

Spark

Hive

Hadoop

User Interface

Browse - browse the data in the database using a park.sql query

Attempt to avoid SQL injection to bypass admin privelage

Query[1-6] - bring up the predefined queries

Logout - Allows another user to login to query the system

Exit - Shuts down the application entirely

Admin Privilege

Add new users to the system

Delete troublemaking users from the system

Add new entries to the sales data

Restore Data from a backup

Sales Data, Table 1

45 stores in the chain

75 - 100 departments per store

Weekly sales reports per department for 143 weeks

Miscellaneous Data, Table 2

Every store every week:

  Temperature

  Fuel price

  Unemployment rate

  Holiday status

Query 1, Sales Performance

Looks at the average performance of each store

Also tells us the highest performer and the lowest performer

Query 2, High Fuel Prices

Compares average sales to sales when the fuel price was above average

Done on a store by store basis

Displays the outliers as well as a company average overall

Query 3, Temperature

Compares average sales to sales when the area's temperature was above average

Done on a store by store basis

Displays the outliers as well as a company average overall

Query 4, Unemployment

Compares average sales to sales when the unemployment rate for the area was above average

Done on a store by store basis

Displays the outliers as well as a company average overall

Query 5, Holiday Influence

Compares average sales to sales when there was a holiday

Done on a store by store basis

Displays the outliers as well as a company average overall

Query 6, Forecast

Compares the last recorded week to the previous week to look for a trend

Shows a forecast for next week's expected sales

Thank You

Thank you for your time

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