

Links and other proofs

Team:

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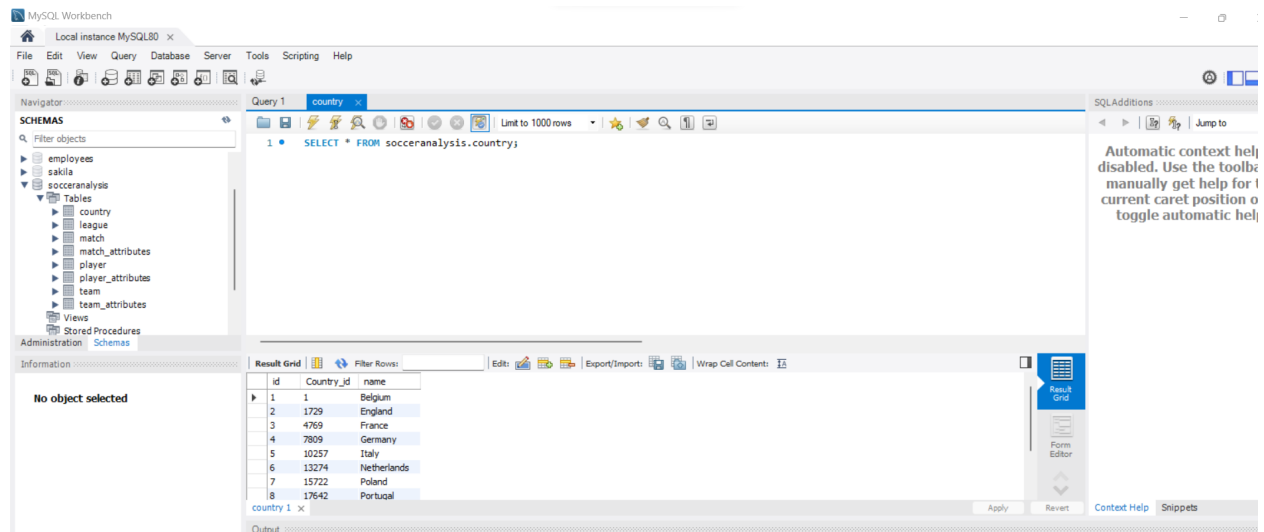
The project management was done using Trello where tasks/user stories were split into sprints for efficient development and progress

Trello: <https://trello.com/b/dlrWxVA7/socceranalysis/>

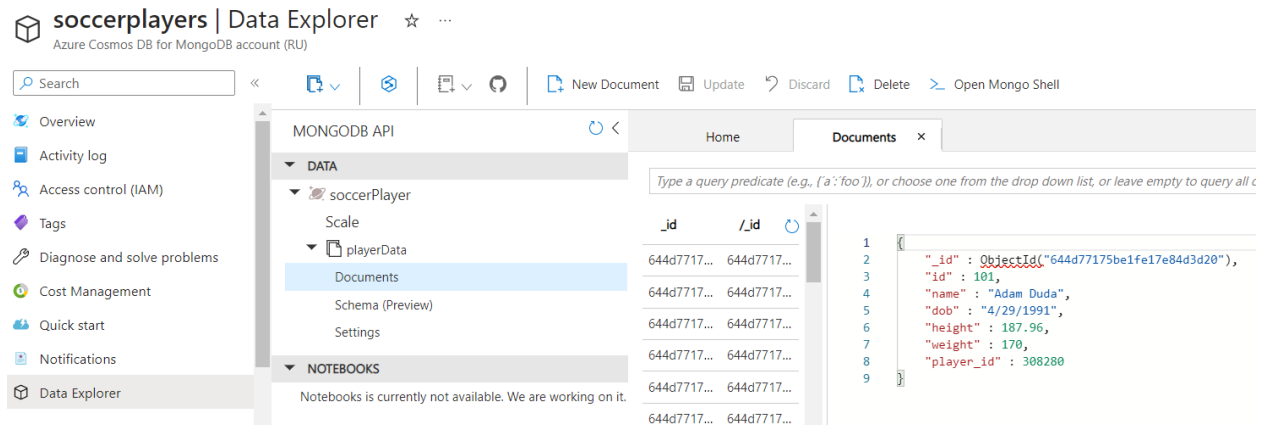
Github was used as version control where we created ETL pipelines using Azure Data Factory and connected that to GitHub to track changes and made sure code review was done by peers before pushing the code changes to the main branch.

Github: <https://github.com/shashikumar1998/SoccerAnalysis/>

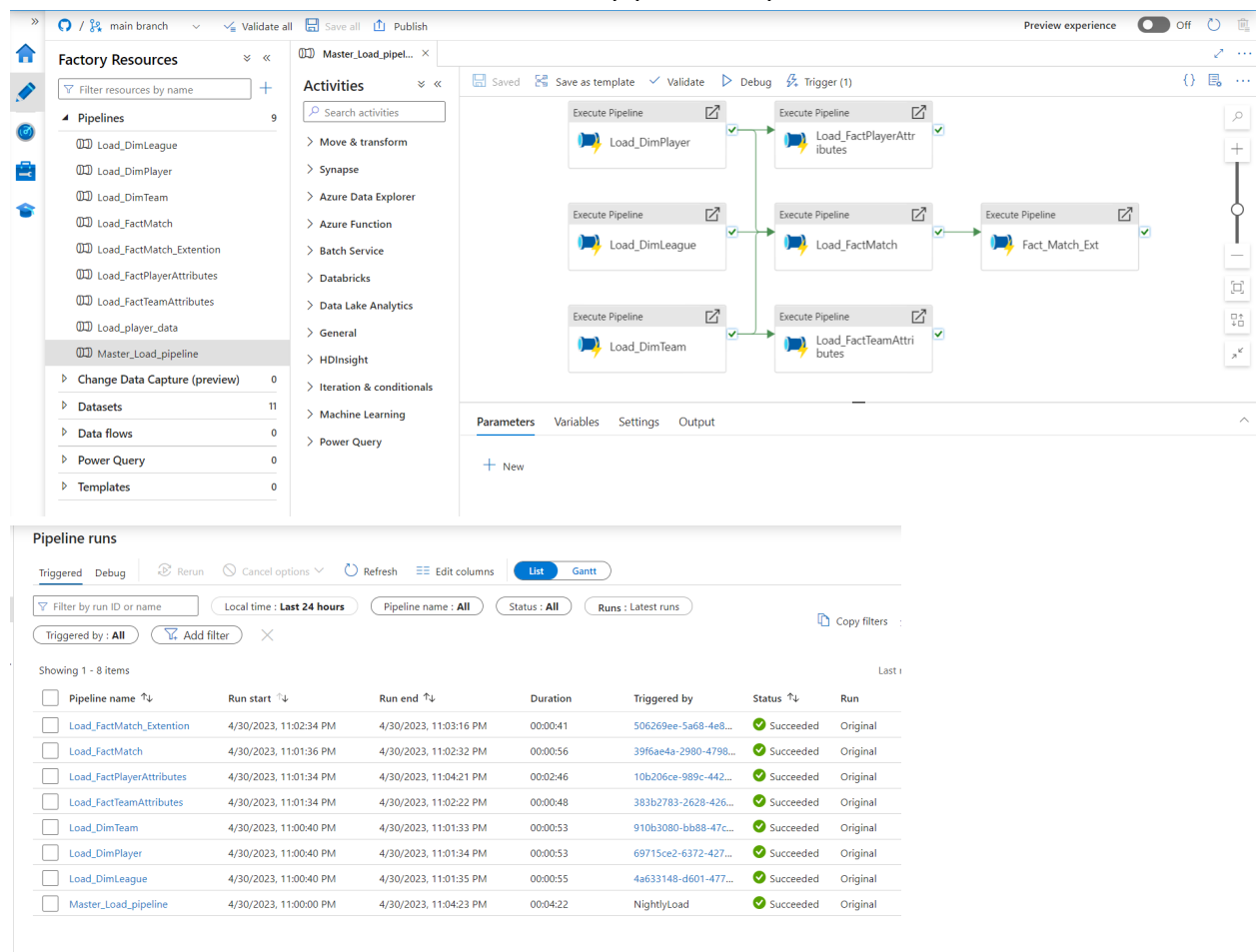
MySQL was implemented on the local system which will be showcased during the live demo. Below is a screenshot of the MySQL database implemented:



CosmosDB for MongoDB was implemented on Azure and will be shown in the live demo. Below is a screenshot of the CosmosDB database implemented:



Azure Data Factory was used to create the ETL pipelines that will be showcased in the live demo. Below are a few screenshots of the ADF pipelines implemented:



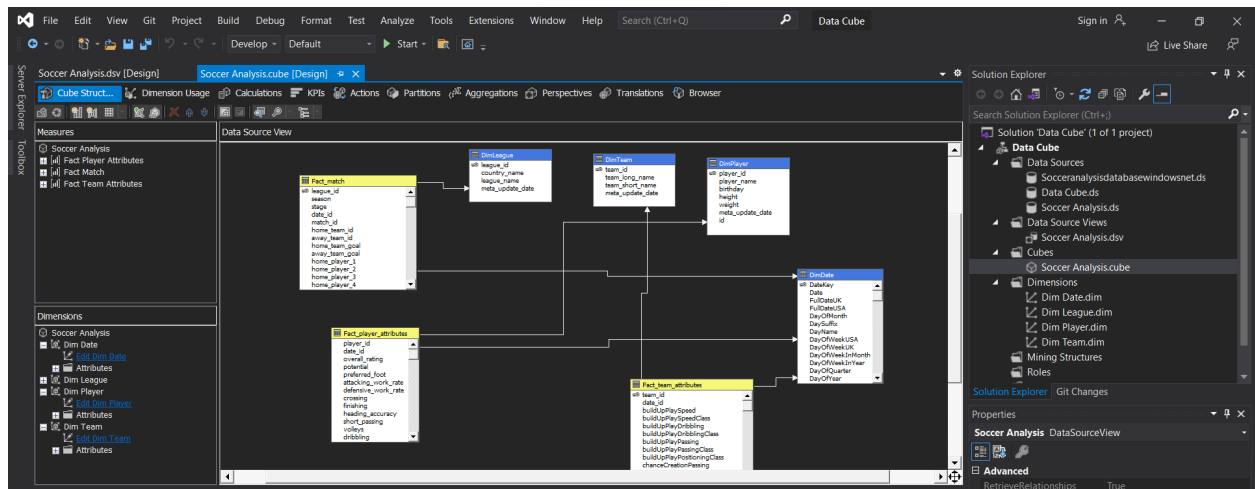
Azure dedicated SQL pool was implemented on Azure which will be shown during the live demo. Below is the screenshot of it being implemented.

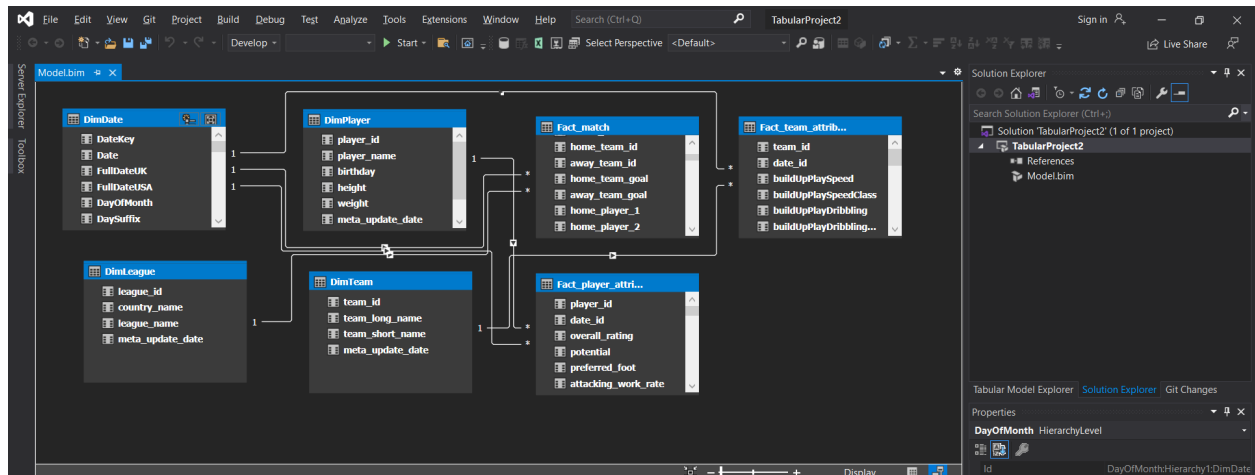
[Home](#) > [soccerAnalysis \(socceranalysis/soccerAnalysis\)](#)

soccerAnalysis (socceranalysis/soccerAnalysis) | Query editor (preview) ☆ ...
Dedicated SQL pool (formerly SQL DW)

The screenshot shows the Azure Data Studio interface for a Dedicated SQL pool. The left sidebar contains a navigation pane with sections: Properties, Locks, Security (Auditing, Data Discovery & Classification, Dynamic Data Masking, Microsoft Defender for Cloud, Transparent data encryption), Common Tasks (Query editor (preview), Build dashboards + reports, Model and cache data, Open in Visual Studio), and Monitoring (Query activity). The main area is titled 'soccerAnalysis (soccer)' and displays a table explorer with the following tables: dbo.DimDate, dbo.DimLeague, dbo.DimPlayer, dbo.DimTeam, dbo.Fact_match, dbo.Fact_match_ext, dbo.Fact_player_attributes, and dbo.Fact_team_attributes. The right pane shows 'Query 1' with a single line of SQL code: '1'. Below the query editor are tabs for 'Results' and 'Messages', with a search bar for filtering items.

SQL Server Analysis Service (SSAS) was used to build data cubes and used some analysis which we will show as a part of live demo. Below are screenshots of tabular and multidimensional models:





Power BI was used to visualize the data and look at patterns. Proof of implementation is provided in a different document (*'Implementation of visualization tool (power bi).docx'*) which is a part of this submission.

The following is the link which redirects to the visualization reports which are made accessible (with organizational restrictions) in the power bi workspace.

https://app.powerbi.com/links/I5-40gET42?ctid=e85c5307-76b1-4c48-bc5d-e88373dda261&pbi_source=linkShare