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Group 3

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UML Diagram showcasing data elements


Figure UML Diagram showcasing data elements.

It's crucial to divide components when building or planning a project based on functionality so that each part or component manages a different functionality, enabling separation of concerns and assisting with REAM.

The initial data elements are shown above include user, team, player stats, playlist, annotation, game stats, and video. The user is broken down into name, roles and userID. Team component is broken down into the season year being played, teamID, sport(basketball). Playlist is broken into name, playlistID, description and duration of playlist. Game stats are broken into the final score of the game and the outcome of a game. Player stats are broken down into the typical stat line of the sport which includes points, assists, rebounds, steals, blocks, and turnovers. Video element is broken into upload date, videoID, duration, play name, location of game and game date. Finally, annotation is broken into description, timestamp, and play name.