

BLG 317E - DATABASE SYSTEMS

FALL 2025 (CRN: 13591)

PROJECT PROPOSAL

Note that your selected dataset should be extensive enough to allow at least 5 main tables, and each table must have at least 3 non-key columns. Each team member must be responsible for at least one main table. Do your best in identifying table requirements. You will be asked to change your selected dataset if it does not seem to meet the minimum requirements. Please see the project evaluation and project self-assessment forms before finalizing your dataset to get an idea about the project evaluation criteria and process.

Project Group Name	Group Messi						
Dataset title	Football Data						
Dataset URL	https://github.com/Akbasal22/blg317-project						
Data description	<p>This database consists of several interconnected tables, covering information on competitions, games, clubs, players, transfers, and game lineups. Sourced from the kaggle website, it is designed for comprehensive analysis of football data.</p> <p>Selected tables: Games.csv, game_lineups.csv, transfers.csv, clubs.csv, players.csv, club_games.csv</p>						
Member 1 Signature 	<table border="1"><tr><td>Full name</td><td>Alperen Akbaş</td></tr><tr><td>Student no</td><td>150220078</td></tr><tr><td>Responsibility:</td><td><pre>"games.csv" : { "primary_key" : [game_id] "foreign_key" : ["home_club_id", "away_club_id"] "Non_key" :["date", "home_club_goals", "away_club_goals"] }, "Clubs.csv" (extra table), UI/UX Design</pre></td></tr></table>	Full name	Alperen Akbaş	Student no	150220078	Responsibility:	<pre>"games.csv" : { "primary_key" : [game_id] "foreign_key" : ["home_club_id", "away_club_id"] "Non_key" :["date", "home_club_goals", "away_club_goals"] }, "Clubs.csv" (extra table), UI/UX Design</pre>
Full name	Alperen Akbaş						
Student no	150220078						
Responsibility:	<pre>"games.csv" : { "primary_key" : [game_id] "foreign_key" : ["home_club_id", "away_club_id"] "Non_key" :["date", "home_club_goals", "away_club_goals"] }, "Clubs.csv" (extra table), UI/UX Design</pre>						

Member 2 Signature 	<table border="1"> <tr> <td>Full name</td><td>Zahid Enes Navruz</td></tr> <tr> <td>Student no</td><td>150230027</td></tr> <tr> <td>Responsibility:</td><td> <pre> "game_lineups.csv" : { "primary_key" : [game_lineups_id] "foreign_key" : ["club_id", "game_id", "player_id"] "non-key_elements": ["date", "player_name", "position"] }, "players.csv" : { "primary_key" : [player_id] "foreign_key" : ["current_club_id"] "non-key_elements": ["first_name", "last_name", "last_season"] }, UI/UX Design </pre> </td></tr> </table>	Full name	Zahid Enes Navruz	Student no	150230027	Responsibility:	<pre> "game_lineups.csv" : { "primary_key" : [game_lineups_id] "foreign_key" : ["club_id", "game_id", "player_id"] "non-key_elements": ["date", "player_name", "position"] }, "players.csv" : { "primary_key" : [player_id] "foreign_key" : ["current_club_id"] "non-key_elements": ["first_name", "last_name", "last_season"] }, UI/UX Design </pre>
Full name	Zahid Enes Navruz						
Student no	150230027						
Responsibility:	<pre> "game_lineups.csv" : { "primary_key" : [game_lineups_id] "foreign_key" : ["club_id", "game_id", "player_id"] "non-key_elements": ["date", "player_name", "position"] }, "players.csv" : { "primary_key" : [player_id] "foreign_key" : ["current_club_id"] "non-key_elements": ["first_name", "last_name", "last_season"] }, UI/UX Design </pre>						

Member 3 Signature 	<table border="1"> <tr> <td>Full name</td><td>Bünyamin Kalayci</td></tr> <tr> <td>Student no</td><td>150230030</td></tr> <tr> <td>Responsibility:</td><td> club_games.csv <pre> "club_games.csv": {"primary_key": ["game_id"], "foreign_key": ["club_id: primary key from clubs.csv(extra table)"], "non-key_elements": ["hosting", "own_goals", "opponent_goals"] }, </pre> </td></tr> </table>	Full name	Bünyamin Kalayci	Student no	150230030	Responsibility:	club_games.csv <pre> "club_games.csv": {"primary_key": ["game_id"], "foreign_key": ["club_id: primary key from clubs.csv(extra table)"], "non-key_elements": ["hosting", "own_goals", "opponent_goals"] }, </pre>
Full name	Bünyamin Kalayci						
Student no	150230030						
Responsibility:	club_games.csv <pre> "club_games.csv": {"primary_key": ["game_id"], "foreign_key": ["club_id: primary key from clubs.csv(extra table)"], "non-key_elements": ["hosting", "own_goals", "opponent_goals"] }, </pre>						

		"Clubs.csv" (extra table), UI/UX Design
Member 4 Signature 	Full name	Oğuz Kayra Bozkurt
	Student no	150210115
	Responsibility:	<pre> "transfers.csv": { "primary_key": ["transfer_id"], "foreign_key": ["player_id"], "non-key_elements": ["transfer_date", "from_club_id", "to_club_id"] }, </pre> <p>"Clubs.csv" (extra table), UI/UX Design</p>