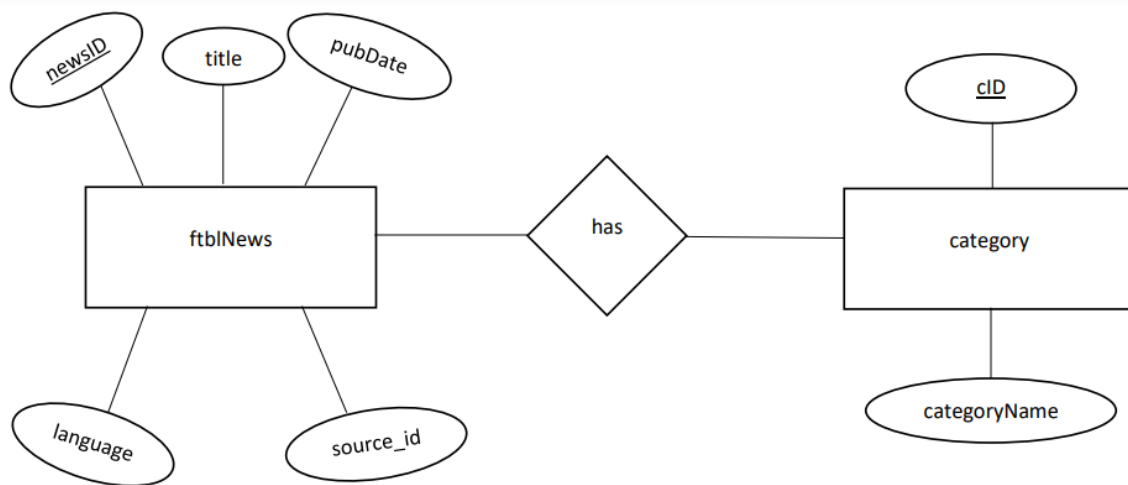


CASE STUDY: searching for football news data which gets the title, publication date, language, and the source\_id for the news or article and store them inside a table called ftblNews in mySQL database and the category name inside another table called category with a many-to-many relationship.

## ERD



# MySQL

Result Grid		Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
newsID	title	language	source_id	pubDate	
1	Utter disgrace: Sickening head clash amid ant...	english	couriermail	2022-11-21 19:44:00	
2	Brazil will play attacking football no matter who ...	Bengali	bdnews24	2022-11-21 19:25:37	
3	Saka, Bellingham sparkle as England crush Iran ...	arabic	kuwaittimes	2022-11-21 19:24:14	
4	Etats-Unis - pays de Galles EN DIRECT : Les Am...	french	20minutes	2022-11-21 19:13:10	
5	SÃ©nÃ©gal - Pays-Bas : Les NÃ©erlandais sÃ©...	french	20minutes	2022-11-21 19:10:55	
6	Gales, una Selecci³n compuesta por jugadores...	spanish	sopitas	2022-11-21 19:03:23	
7	England World Cup debutants Saka, Bellingham ...	english	laprensalatina	2022-11-21 19:02:01	
8	PSG, OM, OL, FC Nantes, RC Lens, Stade Renn...	french	butfootballclub	2022-11-21 18:50:00	
9	MoI denies chaos at football match; Panel to pr...	arabic	arabtimesonline	2022-11-21 18:46:27	
10	Celtic hero Chris Sutton left livid with World Cup...	english	thescottishsun	2022-11-21 18:44:15	
*	NULL	NULL	NULL	NULL	

ftbl News

cID	categoryName
1	["sports"]
2	["top"]
*	NULL

category

newsID	cID
1	1
2	2
3	2
4	2
5	2
6	2
7	2
8	2
9	2
10	2

hashtable