

DBMS FINAL PROJECT

# NBA Stat

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# 大綱

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# Introduction



世界上最受歡迎的球賽之一



出現對各球員的分析與看法  
預測賽季的總冠軍



提供球員詳細數據的網頁





# Dataset



# Dataset

分類：






















球員數據/球隊數據

內容：

傳統數據/投籃數據/進階數據

細項：

每百回合/每回合/每36分鐘/每場

 Advanced.csv	2023/11/28 下午 09:09	Microsoft Excel ...	4,404 KB
 All-Star Selections.csv	2023/11/28 下午 09:09	Microsoft Excel ...	68 KB
 End of Season Teams (Voting).csv	2023/11/28 下午 09:09	Microsoft Excel ...	145 KB
 End of Season Teams.csv	2023/11/28 下午 09:09	Microsoft Excel ...	126 KB
 Opponent Stats Per 100 Poss.csv	2023/11/28 下午 09:09	Microsoft Excel ...	203 KB
 Opponent Stats Per Game.csv	2023/11/28 下午 09:09	Microsoft Excel ...	256 KB
 Opponent Totals.csv	2023/11/28 下午 09:09	Microsoft Excel ...	258 KB
 Per 36 Minutes.csv	2023/11/28 下午 09:09	Microsoft Excel ...	4,436 KB
 Per 100 Poss.csv	2023/11/28 下午 09:09	Microsoft Excel ...	3,907 KB
 Player Award Shares.csv	2023/11/28 下午 09:09	Microsoft Excel ...	207 KB
 Player Career Info.csv	2023/11/28 下午 09:09	Microsoft Excel ...	205 KB
 Player Per Game.csv	2023/11/28 下午 09:09	Microsoft Excel ...	4,580 KB
 Player Play By Play.csv	2023/11/28 下午 09:09	Microsoft Excel ...	1,687 KB
 Player Season Info.csv	2023/11/28 下午 09:09	Microsoft Excel ...	1,516 KB
 Player Shooting.csv	2023/11/28 下午 09:09	Microsoft Excel ...	2,594 KB
 Player Totals.csv	2023/11/28 下午 09:09	Microsoft Excel ...	4,338 KB
 Team Abbrev.csv	2023/11/28 下午 09:09	Microsoft Excel ...	66 KB
 Team Stats Per 100 Poss.csv	2023/11/28 下午 09:09	Microsoft Excel ...	203 KB
 Team Stats Per Game.csv	2023/11/28 下午 09:09	Microsoft Excel ...	262 KB
 Team Summaries.csv	2023/11/28 下午 09:09	Microsoft Excel ...	316 KB
 Team Totals.csv	2023/11/28 下午 09:09	Microsoft Excel ...	264 KB

# Dataset

- 擷取資料中的重要欄位
- 為球隊資料新增id，避免儲存重複的資料
- 將一份資料拆成不同的table儲存，減少讀取時的cost

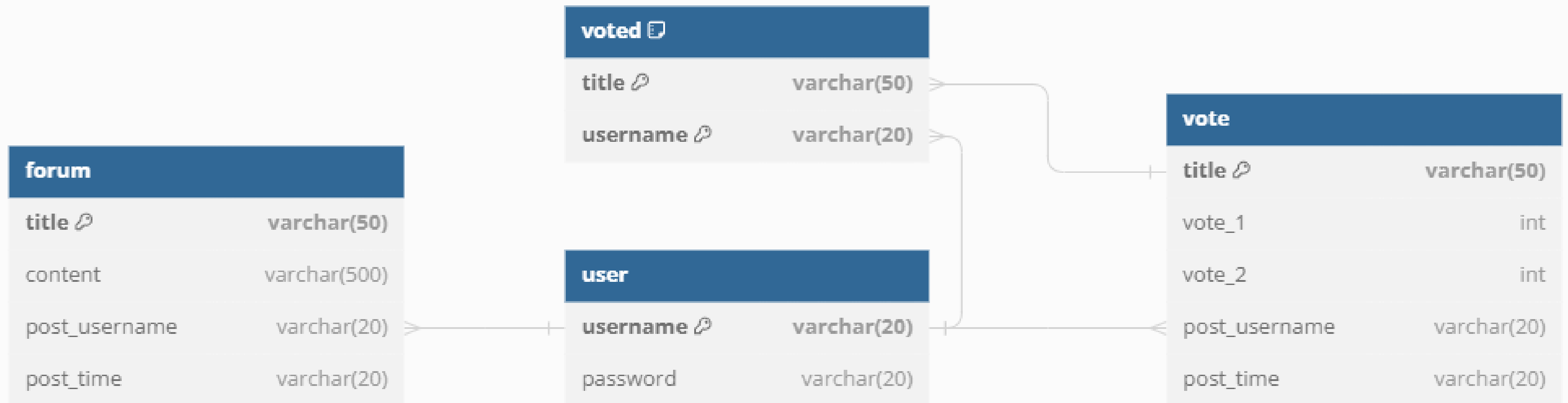


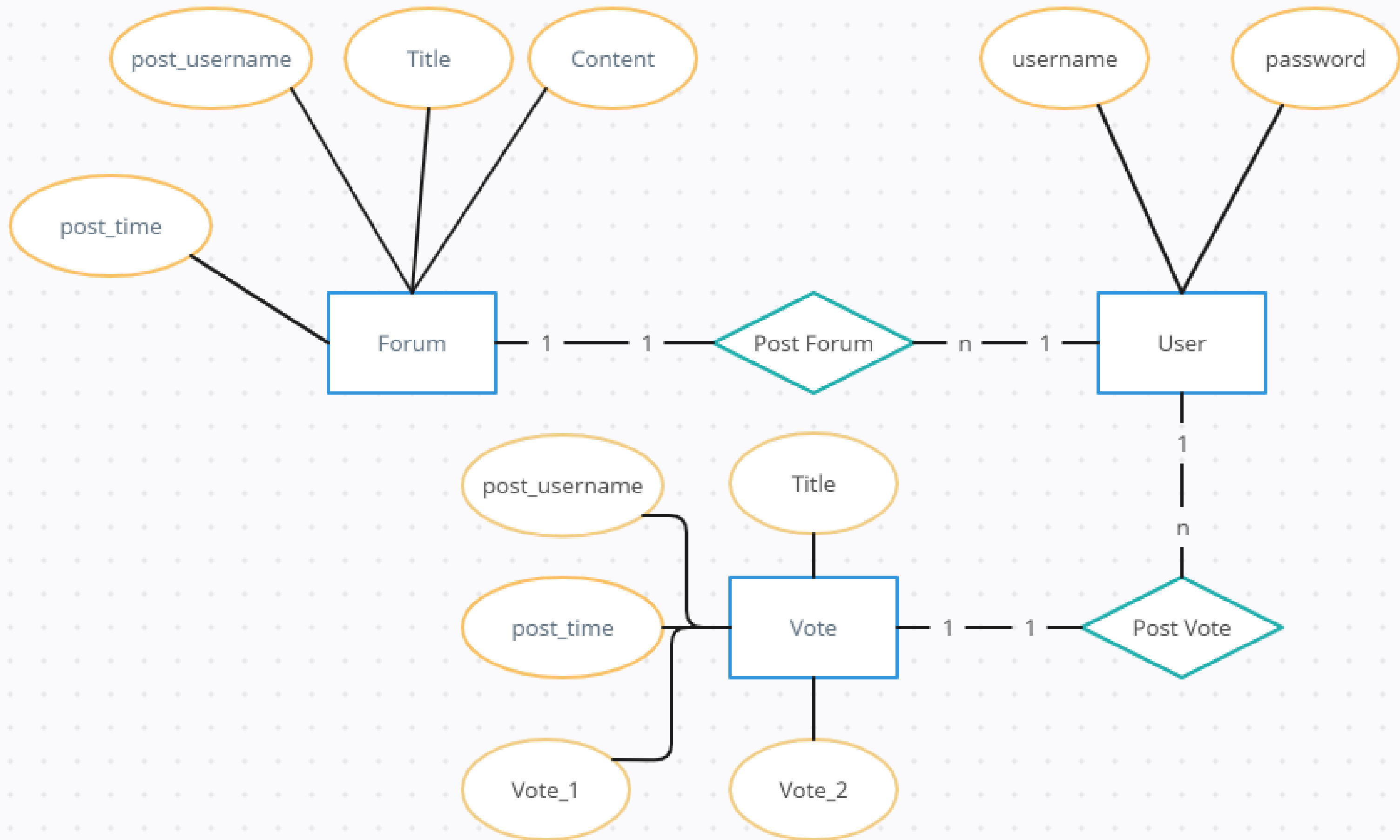


# Database







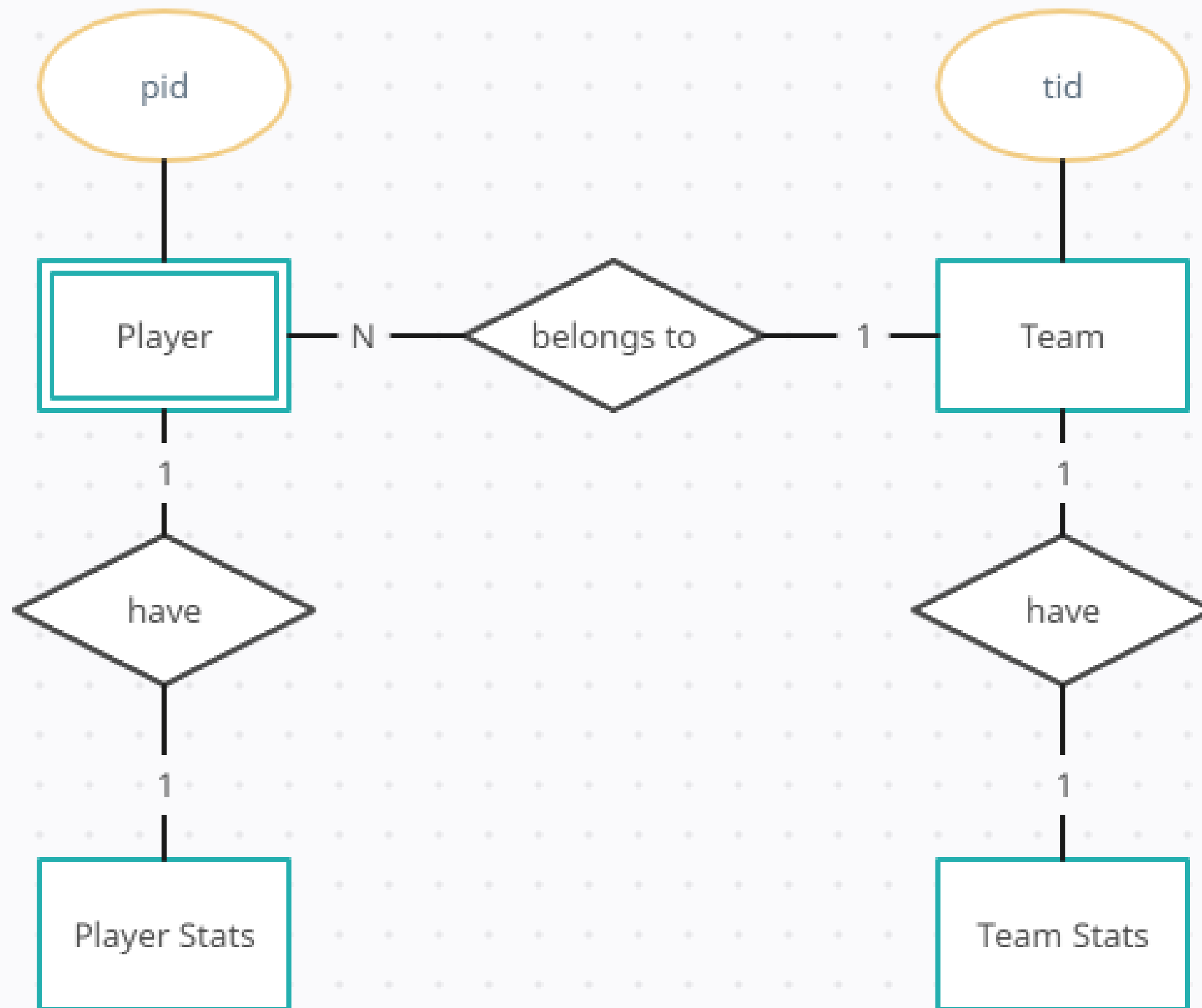


team_per_game		team_total		player_shooting 📄		player_basic 📄	
tid 🔗	int	tid 🔗	integer	tid 🔗	int	tid 🔗	int
field_goal	double	win	int	pid 🔗	int	pid 🔗	int
field_goal_attempt	double	lose	int	field_goal	int	offensive_rebound	int
field_goal_percent	double	arena	varchar(33)	field_goal_attempt	int	defensive_rebound	int
3_point	double	avg_age	double	field_goal_percent	double	total_rebound	int
3_point_attempt	double	margin_of_victory	double	3_point	int	assist	int
3_point_percent	double	offensive_rating	double	3_point_attempt	int	steal	int
2_point	double	defensive_rating	double	3_point_percent	double	block	int
2_point_attempt	double	pace	double	2_point	int	turnover	int
2_point_percent	double			2_point_attempt	int	personal_foul	int
free_throw	double			2_point_percent	double	points	int
free_throw_attempt	double			true_shooting_percent	double		
free_throw_percent	double			free_throw	int		
offensive_rebound	double			free_throw_attempt	int		
defensive_rebound	double			free_throw_percent	double		
total_rebound	double						
assist	double						
steal	double						
block	double						
turnover	double						
personal_foul	double						
points	double						

team_abbrev	
tid 🔗	int
year	int
league	varchar(3)
team	varchar(33)
playoff	varchar(8)
abbrev	varchar(3)

player_info 📄	
tid 🔗	int
pid 🔗	int
name	varchar(30)
pos	varchar(5)
age	int
experience	int

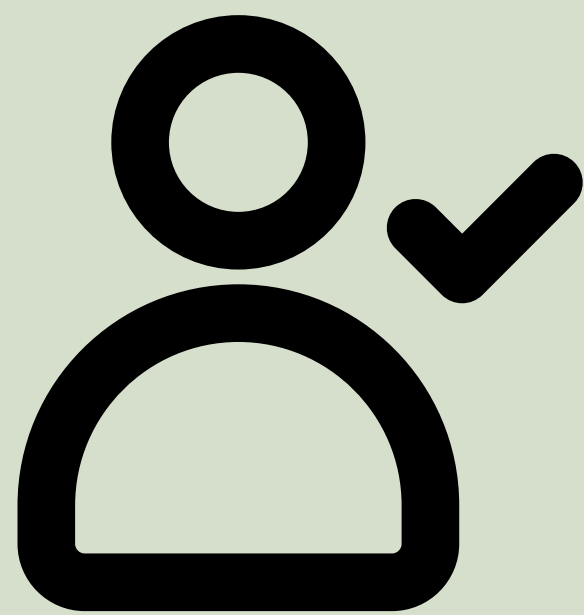




# Application



# 功能



登入/註冊/更改密碼



查詢球員/球隊數據



投票區/討論區



# Team Member Contribution



## 賴邑城

1. 後段網頁製作
2. 整理資料集的內容
3. 建立資料庫

## 周廷威

1. 前端網頁製作
2. 網頁架構設計
3. 管理github

THE END