

IST 659 FINAL PROJECT



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Project Overview

- Database app for searching PGA tour golf tournament results from 2018-2022
- Easy filtering by player, tournament, and/or date
- Reliable information source for research and analysis
- Ideal for tracking the progress of favorite players or creating custom reports



Process



Download data from
web source



Data analysis of facts



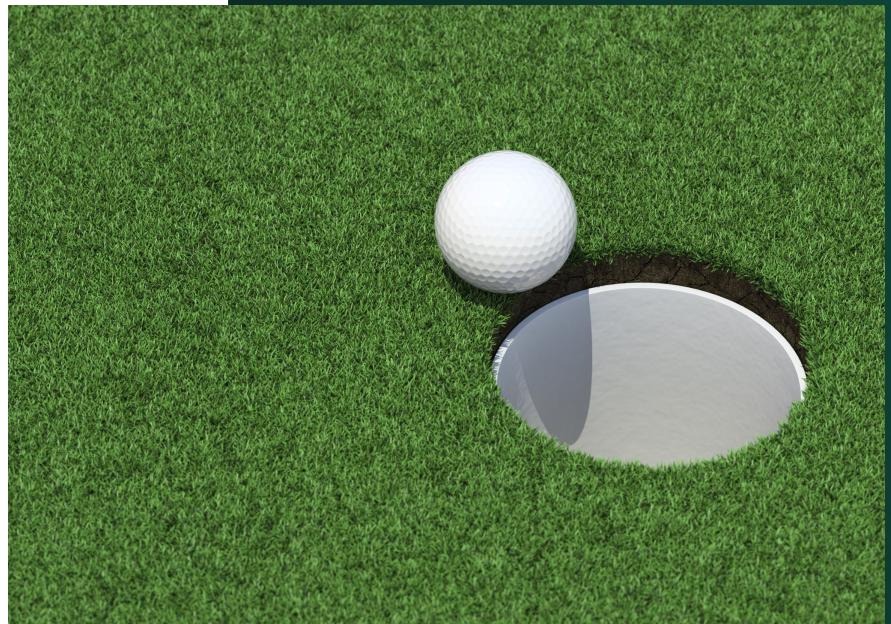
Create conceptual,
logical, and external
data models



Import CSV files of each
table into Azure Data
Studio using the import
wizard



Code SQL script of
database/data logic



Brief View of Database Tables

Run Cancel | Disconnect Change Connection golf ▾

```
4 -- view courses
5 SELECT * FROM courses
6
7 -- view players
8 SELECT * FROM players
9
10 -- view results
11 SELECT * FROM results
12
13 -- view tournaments
14 SELECT * FROM tournaments
15
```

Results Messages

	course_name	course_id
1	Accordia Golf Narashino C...	1
2	Albany	2
3	Aronimink Golf Club	3
4	Augusta National Golf Clu...	4
5	Bay Hill	5
6	Bellerive Country Club	6
7	Bethpage	7
8	Carnoustie Golf Club	8

DB in Action: 2021 Masters Results

Our Database Query

```
62 -- 2021 Masters Results
63 SELECT p.player_name, r.strokes, r.n_rounds, r.pos
64 FROM players p
65 JOIN results r ON p.player_id = r.player_id
66 JOIN tournaments t ON r.tournament_id = t.tournament_id
67 WHERE t.tournament_name = 'Masters Tournament'
68 AND YEAR(t.date) = 2021
69 AND r.pos > 0 -- Exclude players with pos = 0
70 ORDER BY r.pos ASC;
71
```

Results

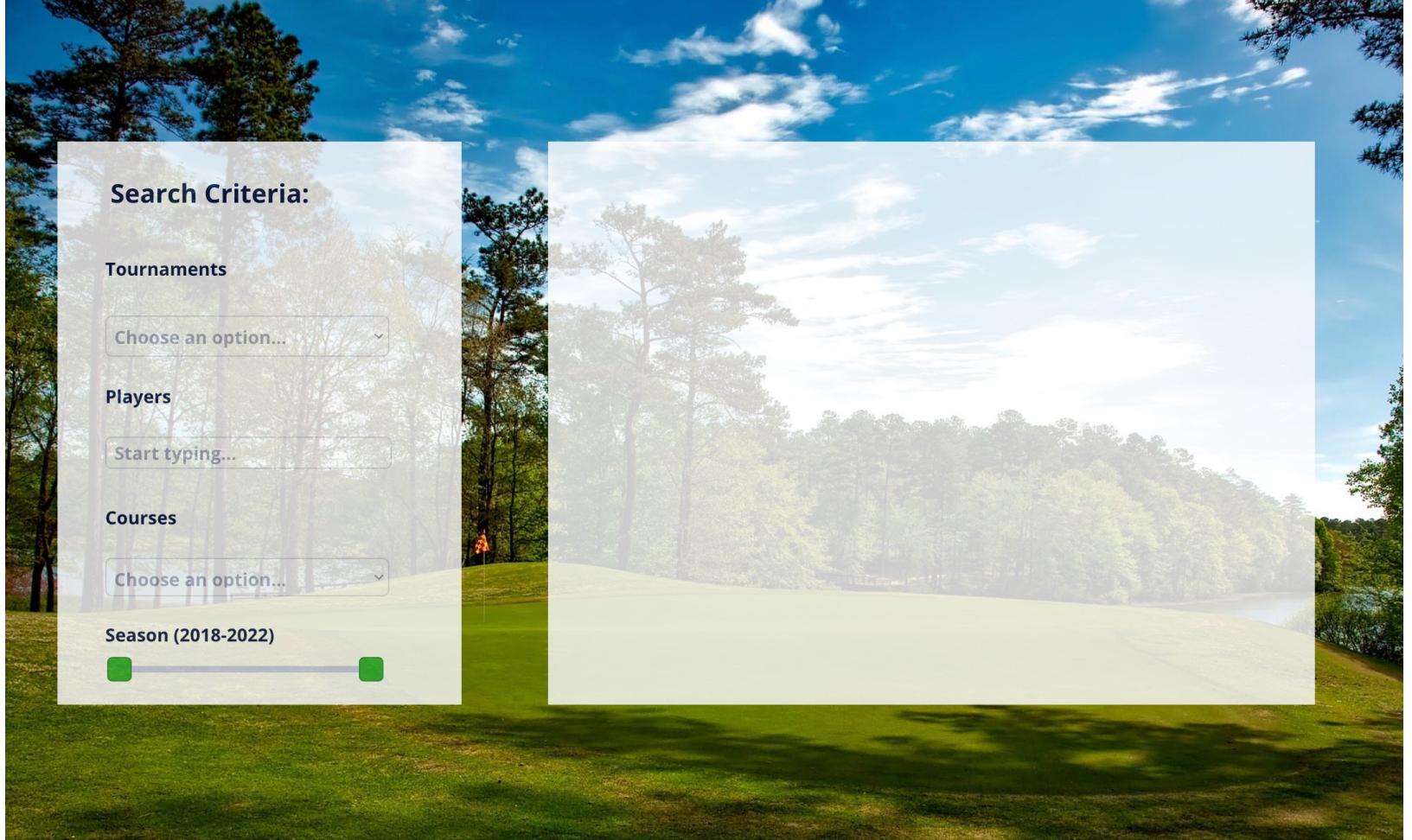
	player_name	strokes	n_rounds	pos
1	Hideki Matsuyama	278	4	1
2	Will Zalatoris	279	4	2
3	Xander Schauffele	281	4	3
4	Jordan Spieth	281	4	3
5	Marc Leishman	282	4	5
6	Jon Rahm	282	4	5
7	Justin Rose	283	4	7
8	Patrick Reed	284	4	8
9	Corey Conners	284	4	8
10	Cameron Smith	285	4	10



Official Results

POS	PLAYER	R1	R2	R3	R4	TOTAL SCORE		TOTAL PAR
						TOTAL SCORE	TOTAL PAR	
1	H Matsuyama	69	71	65	73	278	-10	
2	W Zalatoris	70	68	71	70	279	-9	
T3	J Spieth	71	68	72	70	281	-7	
T3	X Schauffele	72	69	68	72	281	-7	
T5	J Rahm	72	72	72	66	282	-6	
T5	M Leishman	72	67	70	73	282	-6	
7	J Rose	65	72	72	74	283	-5	
T8	P Reed	70	75	70	69	284	-4	
T8	C Conners	73	69	68	74	284	-4	
T10	C Smith	74	68	73	70	285	-3	

- Users can sort the results by various criteria such as player, tournament, or date.
- The app will display a table or list of results based on the selected filters.
 - The app will provide comprehensive data coverage of PGA tour tournaments from 2018-2022.
 - Users can easily navigate through the app and quickly find the information they need.



App U/I

Project Summary

Thank you!