



A League of Legends Reference App

By Michael Bai and Matthew Spadafore

PROBLEM

League of Legends (2009) is the most popular competitive multiplayer game in the world. It is a 5 vs. 5 game played in matches, similar to chess, and needs an efficient and reliable **online reference app** to track individual player performance and games.

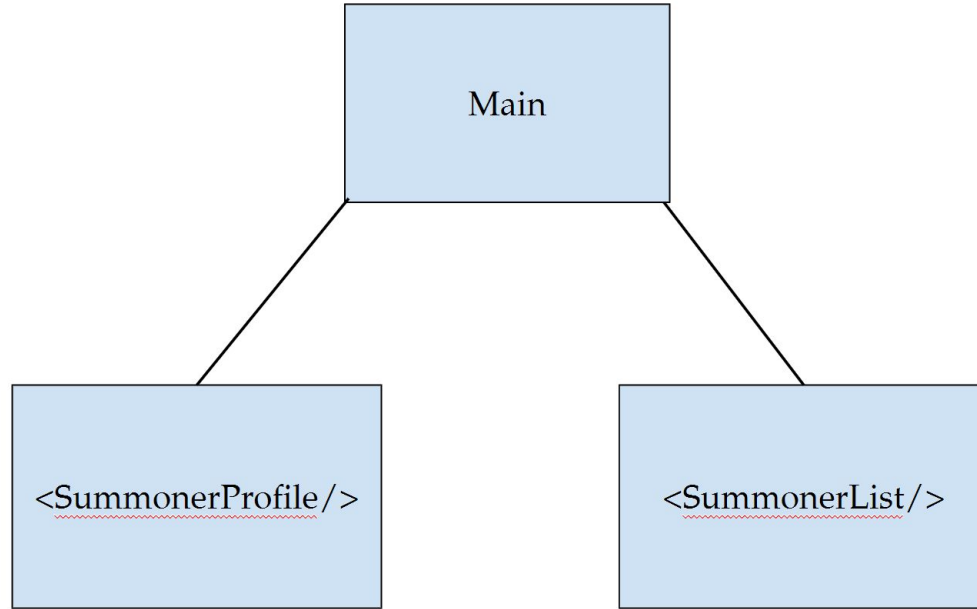


SOLUTION (<15s)

Introducing, **PO.GG**, the ultimate **reference app**. With PO.GG, users are able to search for a player's profile and view their **match history, rank, individual user statistics, match statistics, and global leaderboards**, to help understand their strengths and weaknesses as a player, and also their performance as a team.



Feature 3 Architecture



TECHNOLOGY (<15s): FEATURE 3



PO.GG, a League of Legends Stats Tracker

Summoner Info

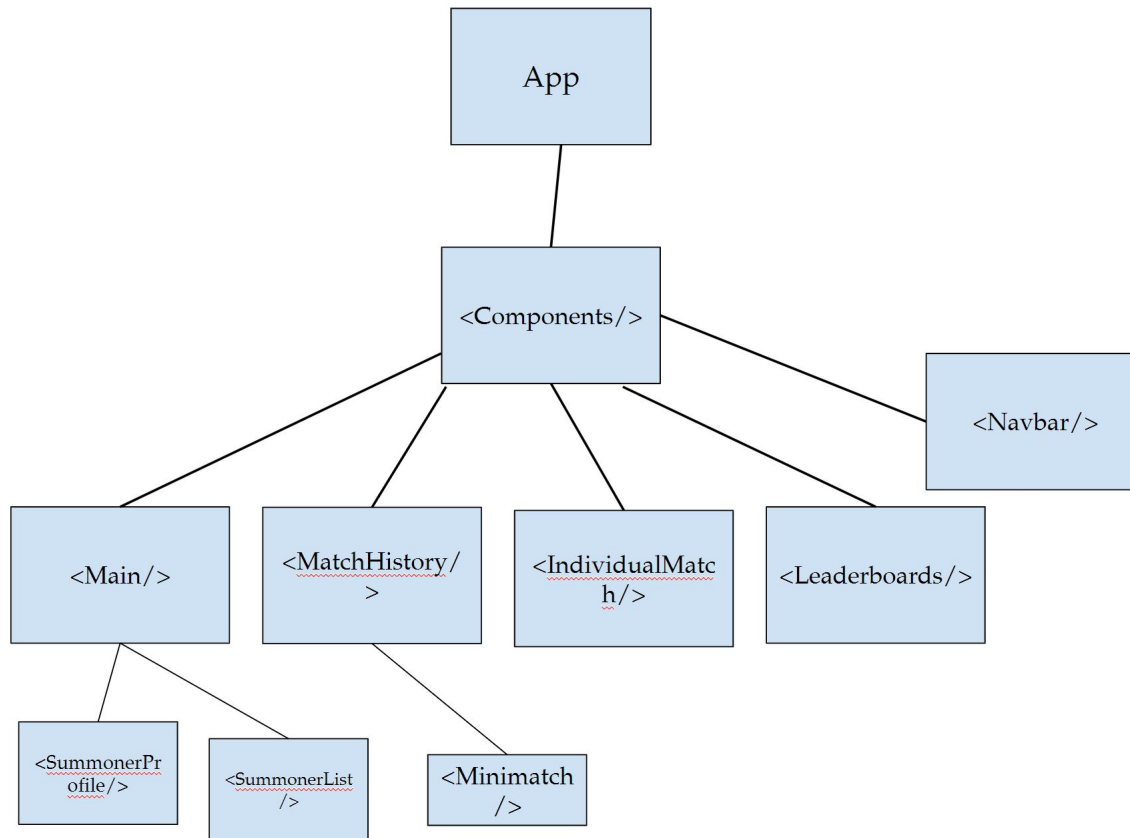
Note, try MiLDRABBIT for testing

Summoners from JSON

- Name: MiLDRABBIT
Level: 186
Queue Type: RANKED_SOLO_5x5
Wins: 94
Losses: 57
Rank: CHALLENGER I
- Name: RoseThorn
Level: 610
Queue Type: RANKED_SOLO_5x5
Wins: 109
Losses: 71
Rank: CHALLENGER I

Passed in data from a JSON file into our application and implemented basic forms, drop downs, and button logic

Feature 4 Architecture



TECHNOLOGY (<15s): FEATURE 4

- [Main](#)
- [Match History](#)
- [Leaderboards](#)

Get Match Data

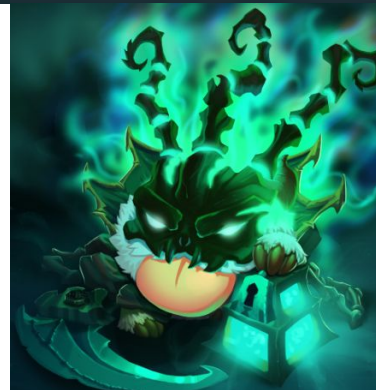
Select a summoner to get match data on

If not here, make sure you have looked them up on the main page

Note: if stats don't appear, try waiting a bit and clicking again. Use Protossian as the user for an example

Lastsliceofpie05 ▾

Get Match History



- [Main](#)
- [Match History](#)
- [Leaderboards](#)

Find Summoner

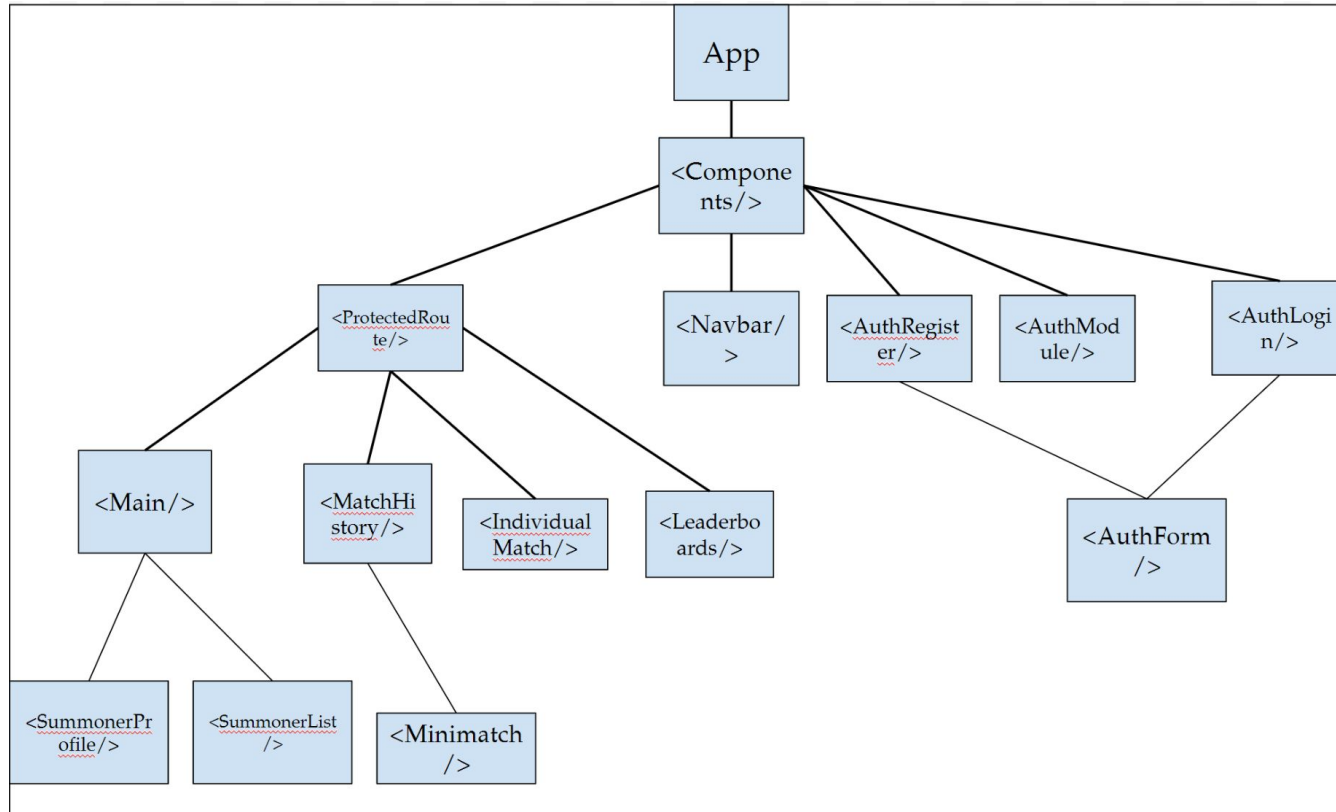
Enter a summoner name here to get data!

Enter Summoner Name North America ▾ Search

Summoners Queried

- Name: MiLDRABBIT
Level: 186
Queue Type: RANKED_SOLO_5x5
Wins: 94
Losses: 57
Rank: CHALLENGER I
View Stats
- Name: RoseThorn
Level: 610
Queue Type: RANKED_SOLO_5x5
Wins: 109
Losses: 71
Rank: CHALLENGER I
View Stats
- Name: JOHNSUN
Level: 353
Queue Type: RANKED_FLEX_SR
Wins: 10
Losses: 8
Rank: DIAMOND I
View Stats

Feature 5 Architecture



TECHNOLOGY (<15s): FEATURE

5

- [Login/Register](#)
- [Main](#)
- [Match History](#)
- [Leaderboards](#)

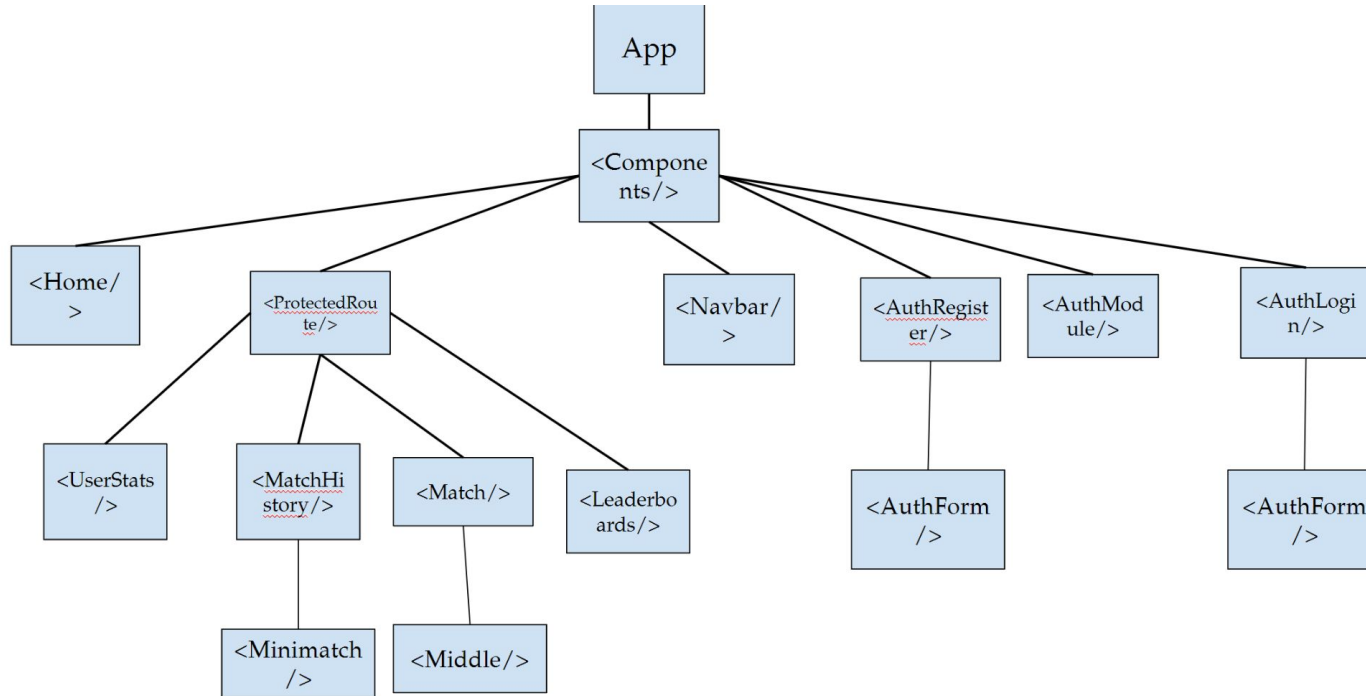
Register

Login

Created an auth module with both login and register pages and a protected route service



Feature 6 Architecture



TECHNOLOGY: FEATURE 6

(Student A)



[Main](#)
[Match History](#)
[Leaderboards](#)
[User Stats](#)
[Logout](#)





















Get Match Data





Enter the name of a summoner to obtain recent match data from them!

WeDemRoys

[Get Match History](#)


















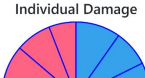










Match History

ARAM									
Advanced Stats									
Team 1 - Loss		The Kitsune		5 / 5 / 33		beccaFireflamer		10 / 8 / 29	Team 2 - Win
		KhlolVII		11 / 15 / 7		R31GNN N		10 / 9 / 18	
		LastslicePie05		16 / 7 / 28		Lil Drip688		9 / 11 / 28	
		Faaris Wheel 123		17 / 12 / 7		RickyRam7		13 / 17 / 20	
		Beermusclejoy		1 / 13 / 36		WeDemRoys		10 / 5 / 32	

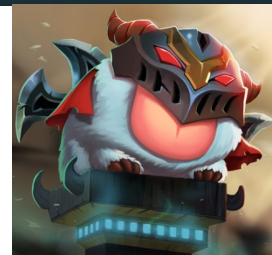
ARAM									
Advanced Stats									
	mopy76		17 / 15 / 34		Gocats9308		9 / 16 / 28		

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Team 2 Wins
8/10/2023 | ARAM

Team Damage										Individual Damage									
Team Economy										Individual Economy									
ID	Name	Champ	K	D	A	CS	Items	Individual Elims		ID	Name	Champ	K	D	A	CS	Items		
	The Kitsune		5	5	33	88					Beccafireflamer		10	8	29	55			
	KhloiVII		11	15	7	59					R31GNN N		10	9	18	43			
	Lastliceofpie05		16	7	28	38					Lil Drip688		9	11	28	82			
	Faaris Wheel		17	12	7	37					RickyRam7		13	17	20	29			

TECHNOLOGY: FEATURE 6 (Student B)



Leaderboards

NA

Ranked Solo

Load Top Summoners

1		bobjenkins1 - Level: 311 LP: 2006 Rank: Unranked Wins: 0 Losses: 0 Win Rate: 0.00%
2		Isles2 - Level: 179 LP: 1801 Rank: Unranked Wins: 0 Losses: 0 Win Rate: 0.00%
3		ARMAO - Level: 257 LP: 1787 Rank: Unranked Wins: 0 Losses: 0 Win Rate: 0.00%
4		ttv perryjg - Level: 266 LP: 1785 Rank: Unranked Wins: 0 Losses: 0 Win Rate: 0.00%
5		Isles1 - Level: 550 LP: 1750 Rank: Unranked Wins: 0 Losses: 0 Win Rate: 0.00%
6		Samikln - Level: 683 LP: 1726 Rank: CHALLENGER I Wins: 320 Losses: 259 Win Rate: 55.27%
7		Pentaless - Level: 292 LP: 1646 Rank: CHALLENGER I Wins: 207 Losses: 157 Win Rate: 56.87%
8		Cupic - Level: 435 LP: 1614 Rank: CHALLENGER I Wins: 184 Losses: 131 Win Rate: 58.41%
9		Breezyyy - Level: 1017 LP: 1596 Rank: CHALLENGER I Wins: 343 Losses: 298 Win Rate: 53.51%
10		Kzykendy - Level: 553 LP: 1593 Rank: CHALLENGER I Wins: 330 Losses: 270 Win Rate: 55.00%
11		weleryuxin - Level: 70 LP: 1581 Rank: CHALLENGER I Wins: 242 Losses: 176 Win Rate: 57.89%
12		Amazo - Level: 70 LP: 1554 Rank: CHALLENGER I Wins: 162 Losses: 90 Win Rate: 64.29%
13		øøen - Level: 139 LP: 1503 Rank: CHALLENGER I Wins: 117 Losses: 66 Win Rate: 63.93%
14		T0mio - Level: 493 LP: 1495 Rank: CHALLENGER I Wins: 150 Losses: 102 Win Rate: 59.52%
15		LFT AKASHI - Level: 362 LP: 1485 Rank: CHALLENGER I Wins: 139 Losses: 85 Win Rate: 62.61%
16		Minuillol - Level: 317 LP: 1469 Rank: CHALLENGER I Wins: 376 Losses: 321 Win Rate: 53.95%

PLAN (<0s):



- **Implement routing / links between features (leaderboards -> user stats)**
- **More intractability (ex. Hover to see item stats)**
- **Login exclusive features**