

Database-driven Programming: The Importance of Database Structure & Automation





## **Michelle Page**

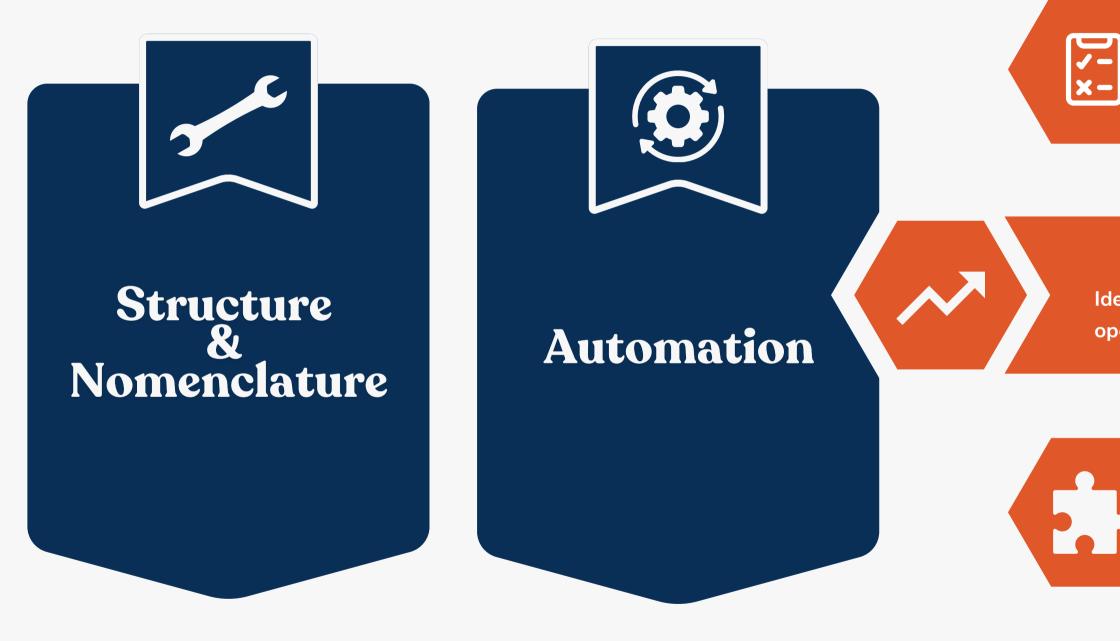
### Director of Administration

**Database-Driven Programming** 



## **Tyler Rowe** Acting Program Director





### **Operational Excellence**

Create a data structure that fits your operational processes is key to success.

### Efficiencies

Identify processes in your daily operations that could be automated.

### **Creative Problem Solving**

Creativity is key in formulating data solutions that are unique to your data needs.





# Structure & Nomenclature



A		В	С	D	E	F	G	н	1	К	L	М	N
Program		Туре	Location	Date	# Days	# Hours	Last Name	First Name	Athlete Type	Zip	DOB	Age	Gender
CP Soccer	*	Training		5/1/2022	1	2			Member		}	13	Male
CP Soccer	٣	Training		5/1/2022	1	2			Member			7	Male
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member		)	18	Male
CP Soccer	٣	Training		5/1/2022	1	2			Member		5	11	Male
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member		2	16	Male
CP Soccer	*	Training		5/1/2022	1	2			Member		2	9	Female
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member			15	Female
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member			9	Male
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member		)	11	Male
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member		Ļ	12	Male
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member		2	5	Male
CP Soccer	Ŧ	Training		5/1/2022	1	2			Member		)	9	Male
CP Soccer	٣	Training		5/1/2022	1	2			Member		ļ.	5	Male
Cycling-Comp	Ŧ	Training		5/2/2022	1	1.5			Member		5	47	Male
Cycling-Comp	٣	Training		5/2/2022	1	1.5			Member		)	60	Male
Cycling-Comp	Ŧ	Training		5/2/2022	1	1.5			Member			41	Male
Cycling-Rec	Ŧ	Training		5/3/2022	1	1.5			Member		)	32	Male
Cycling-Rec	Ŧ	Training		5/3/2022	1	1.5			Member		3	45	Female
Cycling-Rec	Ŧ	Training		5/3/2022	1	1.5			Member		2	46	Male
Cycling-Rec	٣	Training		5/3/2022	1	1.5			Member			64	Male
Cycling-Rec	Ŧ	Training		5/3/2022	1	1.5			Member		)	49	Male
Cycling-Rec	Ŧ	Training		5/3/2022	1	1.5			Member		5	59	Male









**Program/Sport** 

**Program Category** 



**Database-Driven Programming** 



# **Tips for Your Nomenclature**

## Distinct

- Years
- Types of Programs
- Types of People
- Seasons



## Connected

Keep the other pyramid layers in mind!





## Reportable

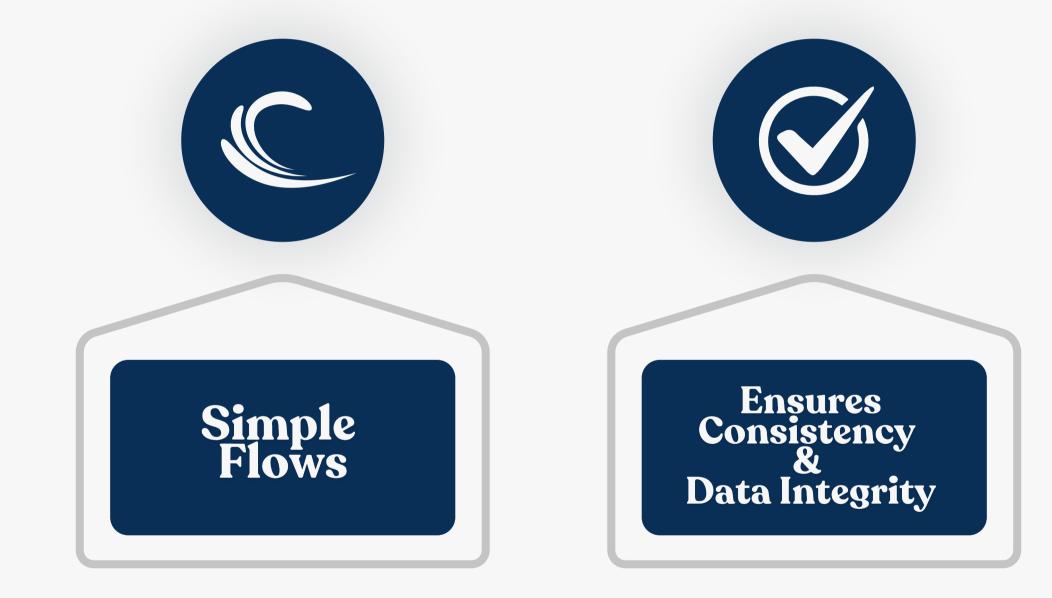
Think about what you need to report!

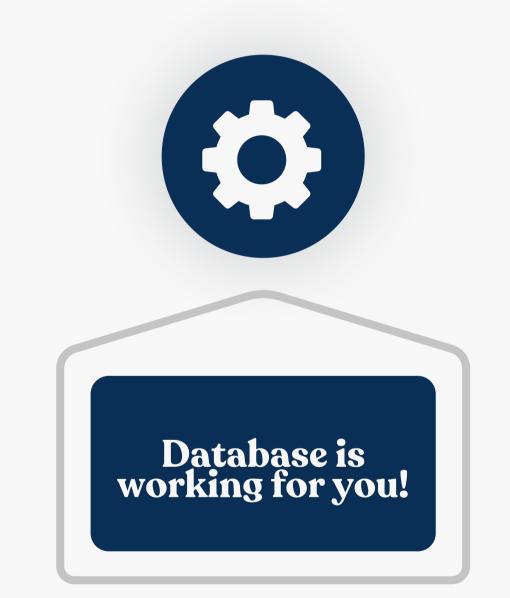


# Automation



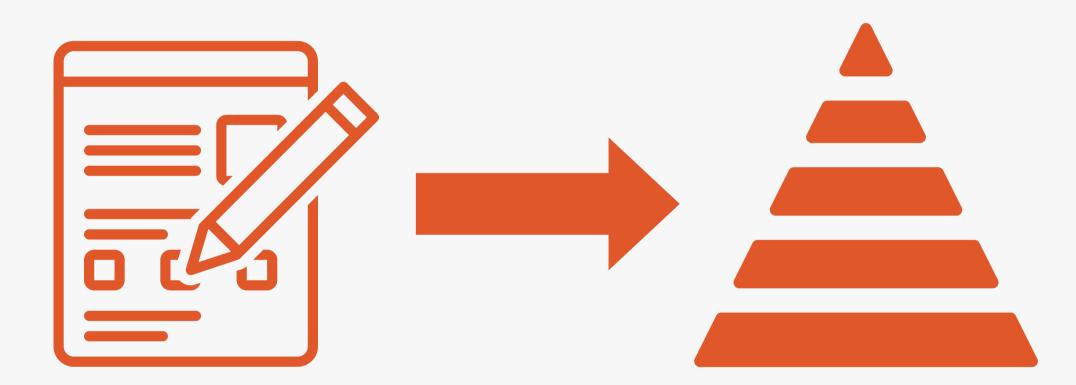








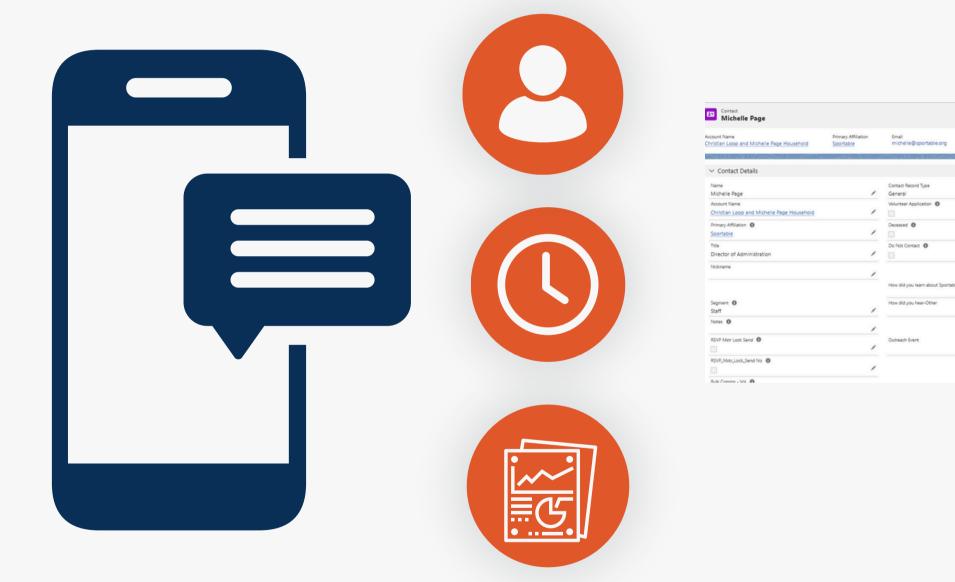




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# **Closing Remarks**



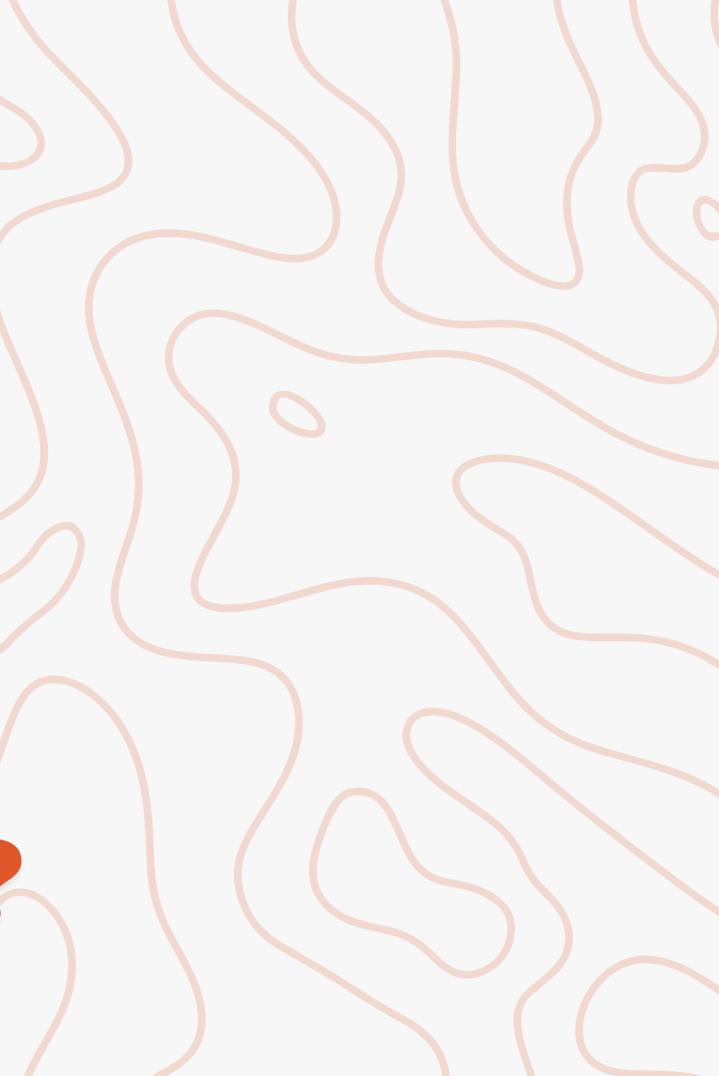








# Questions?

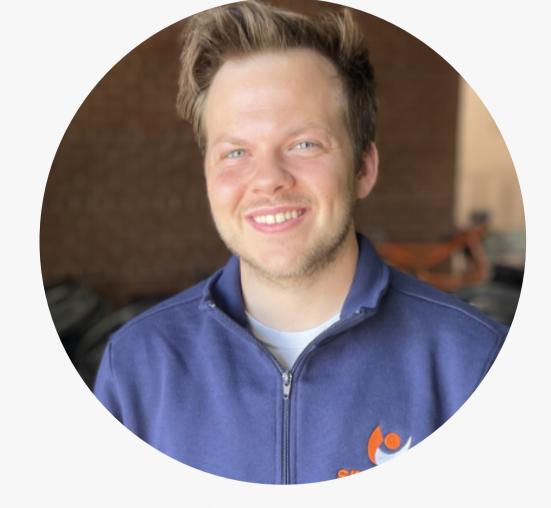






## Michelle Page

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**Database-Driven Programming** 

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