

Why? Answer Questions

Help Determine

- Functional Specs
- Design Specs
- Usability
- Market
- How Existing Code Works
- Programming Language(s)
- Development Environment(s)
- Operating Environment(s)
- Etc...

Why? Determine Schedule

- Determine how long will it take to...
- Install/learn the development environment.
- · Install/learn the existing code.
- Convert the existing code.
- · Convert the existing database.
- · Get libraries working.
- · Build 100 interfaces.
- · Deploy the application.
- Etc....

Why? Reduce Risk

- Operability
 - How do we make a game clock?
 - Where do we store the data?
- Interoperability
 - How does the game clock work with other tablets? How do the tablets all write to the same database?
- Scalability
 - Will the game clock propagate in real time?
 - Will the database engine keep up?
- Reliability
 - What happens if the clock tablet dies? - What happens if the database tablet dies?
- Etc...

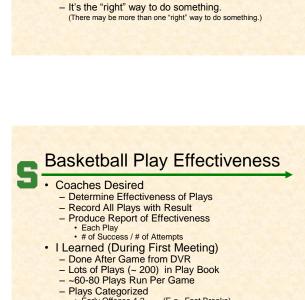
Speed (to Write)

- Critical
- 2-3 Day Tasks
- Use
 - RAD Languages (Warning: "RAD" Overloaded)
 - SDK's
 - IDE's
 - Design Tools
 - Wizards
 - Sample Code - Etc...
- Stop When Question(s) Answered

Often My Biggest

Frustration.





- Early Offense 1,2 (E.g., Fast Breaks)
 Offense 1,2 (E.g., Half Court Plays)
 Special Situations 1,2 (E.g., Out of Bounds)
- Overwhelming

S Basketball App Architecture
Basketball Play Effectiveness
BPE Application
Access Windows XP Desktop

Prototypes: Case Studies

Basketball

Play Effectiveness

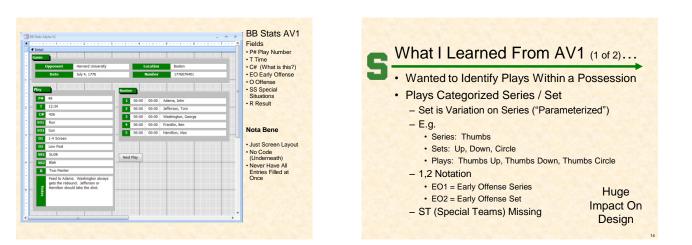
Real Time Play Stats

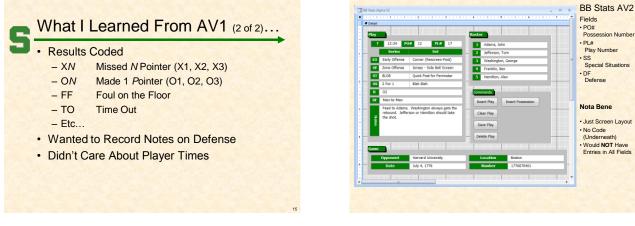
Player Timer

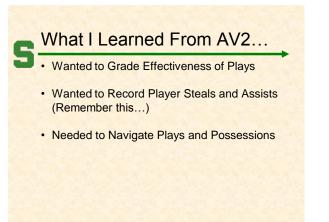
Radio Stats

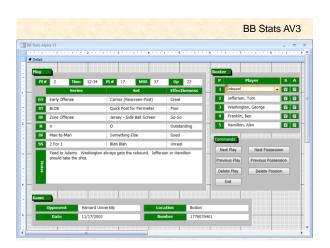
Risks

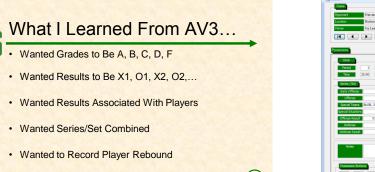
- Learning Basketball Processes?
- Programming in Visual Basic?
- · Access?
- Building a GUI with Access/VB?
- Interfacing VB with Access?
- Generating Reports in Access?
- Etc...





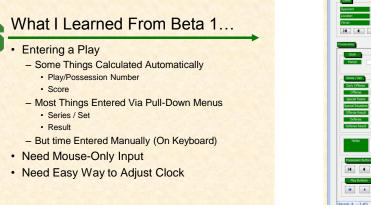






Did NOT Want to Record Player Steals and Assists ()

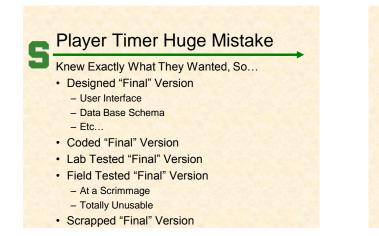








		- 3	Game Clock	
Player	Time	Cashing and Cash	- Start / Stop	Start
Player	Timer		- Counts Down	Stop 19:
Applic	ation		- By Minutes/Seconds	
Visual	Basic		Access Interface	
	m - e a m - e a m		– Write Number	Write 7
Acc	ess		- Read Number	Read 14
			 Add Up Numbers 	Add Up 55





Recrosoft Access - [Loder's Radio Statistics]																	
										_							
Michigan State Uni	versity	26.	19 / 23	83%	22	5	78	2	Duke	10.0		12 PE-	17/24	71%	15	7	68
18 58 R	_		01 X1	%01		03	Total	Period	Read Reads	8	_	_	01 11	5401	02		Total
Brown, Shannon	3	0	4/4	100%	2	1	11	78	Redick, J.J		4	0	2/2	100%	1	3	13
	-	PE.	01 X1	%01	02	03	Total	MSU		R	<u> </u>	PF		%01	02	03	Total
Hill, Chris	5	2	2/2	100%	0	0	2	68	Ewing, Dar		5	3	2/4	50%	5	2	18
	-	PE	01 X1	%01	02	03	Total	Duke	2	R	<u> </u>	PF	01 X1	%01	02	03	Total
Neitzel, Drew	12	2	1/2	50%	2	0	5	19/23	Melchionni		13	1	2/2	100%	1	2	10
¥ 3 🔊	_	PE		%01	02	03	Total	83%	23	R		PF	01 X1	%01	02	03	Total
Ager, Maurice	13	3	2/3	67%	6	0	14	MSU	McClure, D		14	0	0/0	<u>.</u>	0	0	0
		PF.		%01	02	03	Total	17 / 24	•	R		PF		%01	02	03	Total
Anderson, Alan	15	4	2/2	100%	3	3	17	71%	Dockery, S		15	3	0/0	Ŀ	0	_	
9 S R		PF.		%01	02	03	Total	Duke	∀ 5	R		PF		% 01	02	03	Total
Torbert, Kelvin	23	5	0/0	Ŀ	2	1	7	13 PF	Nelson, De		21	2	2/4	50%	3	•	8
6	20	<u>P</u> F		%01	02	03	Total	MSU	6	R		PF		% 01	02	03	Total
Bograkos, Tim	30	0	0/0	Ŀ	0	0	0	12 PF	Williams, 5		23	5	9/10	90%	5	0	19
27	50	Pf.	01 X1	%01	02	03	Total	Duke	2	R		Pf	01 X1	%01	02	03	Total
 Naymick, Drew 	34	1	0/0	<u> </u>	0	0	0	Scoring Runs	Love, Reg		30	4	0/0	<u> </u>	0	0	0
	51	Pf.	01 X1	%01	02	03	Total		8	R	50	Pf	01 X1	%01	02	03	Total
 Davis, Paul 	40	3	8/10	80%	6	0	20		Perkins, R		40	0	0/0	<u> </u>	0	0	0
9	10	P#	01 X1	%01	02	03	Total		9	R	10	Pf	01 X1	%01	02	03	Total
Rowley, Delco	50	0	0/0	•	0	0	•		Davidson,		41	0	0/0	· .	0	0	0
210	50	PF	01 X1	%01	02	03	Total		10	R	-11	Pf	01 X1	%01	02	03	Total
V Ibok, Idong	0	0	0/0	•	0	0	0		Randolph,		42	3	0/2	0%	0	0	0
211 R	0	PF	01 X1	%01	02	03	Total		11	R	72	PF	01 X1	%01	02	03	Total
🖌 Gray, Marquise	42	0	0/0		0	0	0	Open	Pagliuca, J		45	0	0/0		0	0	0
№ 12	12	PF.	01 X1	%01	02	03	Total	Exit	12	R	-13	PF	01 X1	%01	02	03	Total
Radio Stats																	
Form View National States									1	MUN							



