

#### What is not on a PCO?

- Do not include test procedures, test ideas, or test activities.
  - Think in terms of a cookbook with recipes for preparing particular dishes. Each recipe contains a list of ingredients. A PCO is like the *list of ingredients* that will get used in preparing the dish. A PCO is not the recipe.

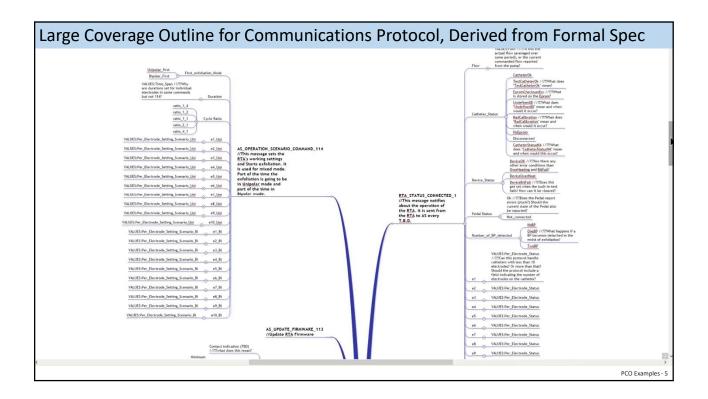
#### • Do not include quality criteria or risks.

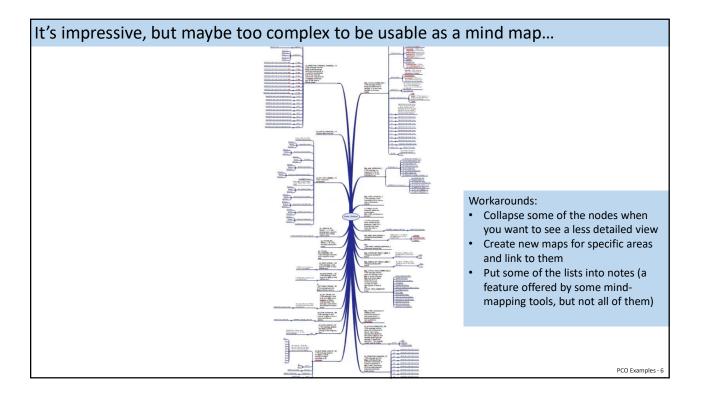
• Because the same risk can apply to many different factors in a PCO, having risks in a separate outline give more flexibility.

#### • Do not include logistical notes about the test project.

• A PCO is not a test plan. That's different. A PCO is a working reference for considering *what* to test; factors that we could examine in a test, or that could influence the outcome of a test.

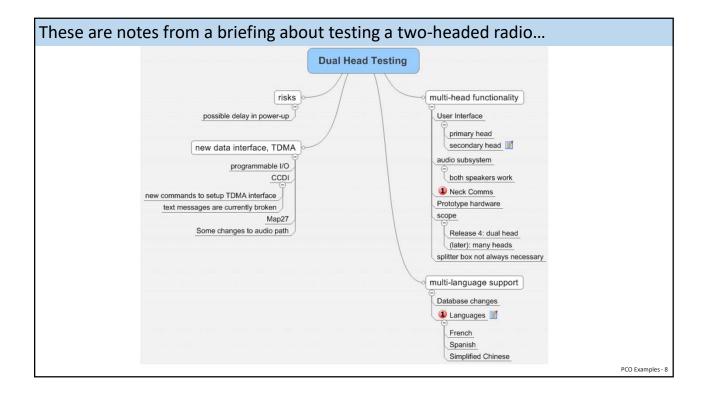
PCO Examples - 4



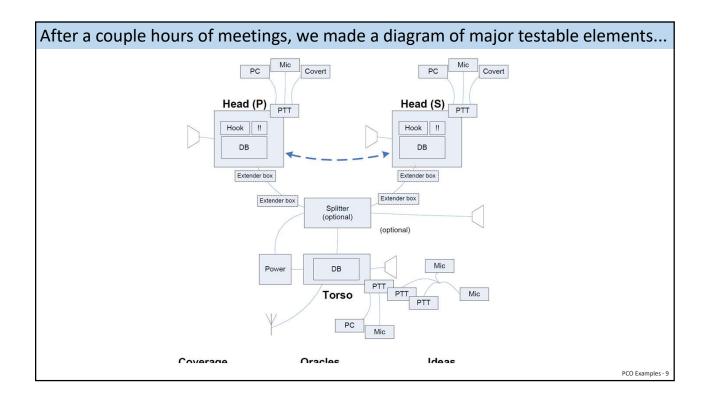


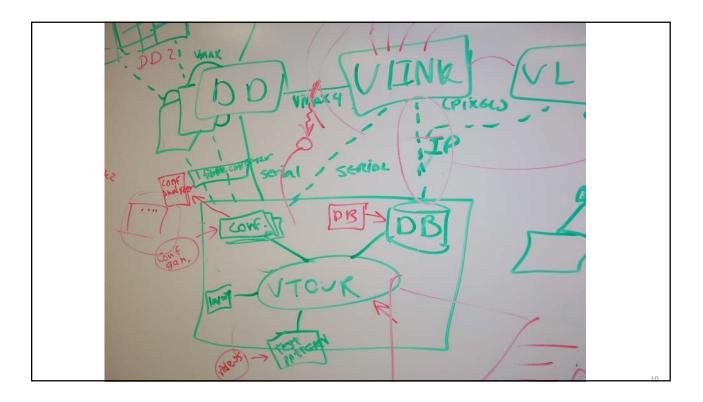
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273	272 AS_OPERATION_COMMAND_101	e3	Temperature	high	minimum	
274	273 AS OPERATION COMMAND 101	e3	Temperature	maximum	low	
275	274 AS OPERATION COMMAND 101	e3	Power	minimum	high	
276	275 AS_OPERATION_COMMAND_101	e3	Power	low	maximum	
277	276 AS OPERATION COMMAND 101	e3	Power	high	On	
278	277 AS_OPERATION_COMMAND_101	e3	Power	maximum	Off	
279	278 AS_OPERATION_COMMAND_101	e4	On/Off	On_	Zero	
280	279 AS_OPERATION_COMMAND_101	e4	On/Off	Off	Very brief	
281	280 AS_OPERATION_COMMAND_101	e4	Duration	Zero	Moderate	
282	281 AS_OPERATION_COMMAND_101	e4	Duration	Very_brief	Long	
283	282 AS_OPERATION_COMMAND_101	e4	Duration	Moderate	Maximum	
284	283 AS_OPERATION_COMMAND_101	e4	Duration	Long	minimum	
285	284 AS_OPERATION_COMMAND_101	e4	Duration	Maximum	low	
286	285 AS_OPERATION_COMMAND_101	e4	Temperature	minimum	high	
287	286 AS_OPERATION_COMMAND_101	e4	Temperature	low	maximum	
288	287 AS_OPERATION_COMMAND_101	e4	Temperature	high	minimum	
289	288 AS_OPERATION_COMMAND_101	e4	Temperature	maximum	low	
290	289 AS_OPERATION_COMMAND_101	e4	Power	minimum	high	
291	290 AS_OPERATION_COMMAND_101	e4	Power	low	maximum	
292	291 AS_OPERATION_COMMAND_101	e4	Power	high	On	
293	292 AS_OPERATION_COMMAND_101	e4	Power	maximum	Off	
294	293 AS_OPERATION_COMMAND_101	e5	On/Off	On_	Zero	
295	294 AS_OPERATION_COMMAND_101	e5	On/Off	Off	Very brief	
296	295 AS_OPERATION_COMMAND_101	e5	Duration	Zero	Moderate	
297	296 AS_OPERATION_COMMAND_101	e5	Duration	Very_brief	Long	
298	297 AS_OPERATION_COMMAND_101	e5	Duration	Moderate	Maximum	
299	298 AS_OPERATION_COMMAND_101	e5	Duration	Long	minimum	
300	299 AS_OPERATION_COMMAND_101	e5	Duration	Maximum	low	
301	300 AS_OPERATION_COMMAND_101	e5	Temperature	minimum	high	
302	301 AS_OPERATION_COMMAND_101	e5	Temperature	low	maximum	
303	302 AS_OPERATION_COMMAND_101	e5	Temperature	high	minimum	
304	303 AS_OPERATION_COMMAND_101	e5	Temperature	maximum	low	
305	304 AS_OPERATION_COMMAND_101	e5	Power	minimum	high	
306	305 AS_OPERATION_COMMAND_101	e5	Power	low	maximum	
307	306 AS_OPERATION_COMMAND_101	e5	Power	high	On	
308	307 AS_OPERATION_COMMAND_101	e5	Power	maximum	Off	
309	308 AS_OPERATION_COMMAND_101	e6	On/Off	On_	Zero	
310	309 AS_OPERATION_COMMAND_101	e6	On/Off	Off	Very brief	
311	310 AS_OPERATION_COMMAND_101	e6	Duration	Zero	Moderate	
	Condition Tree All Single Conditions S	heet2   Sheet1   (+)	1			•

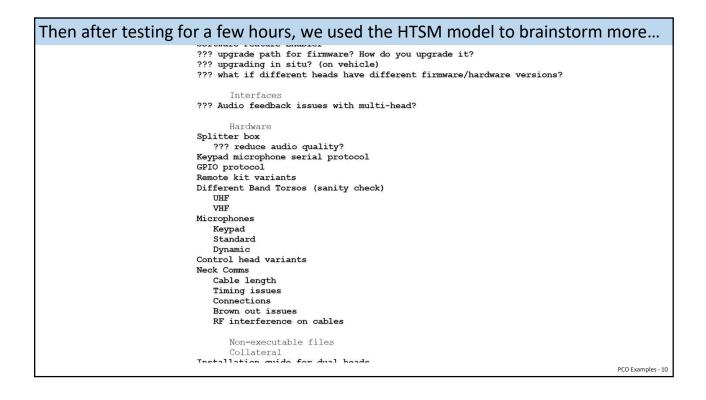


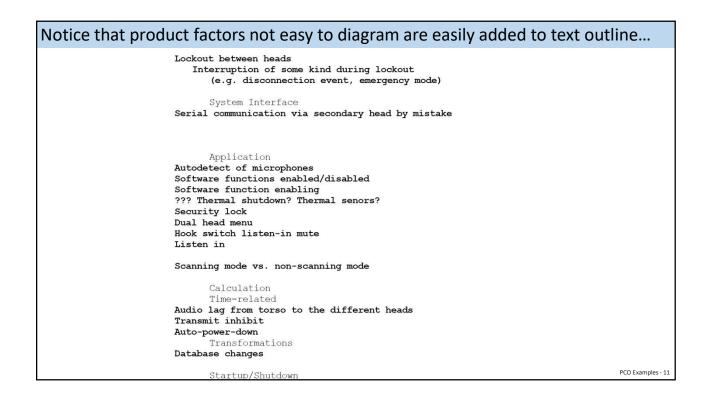
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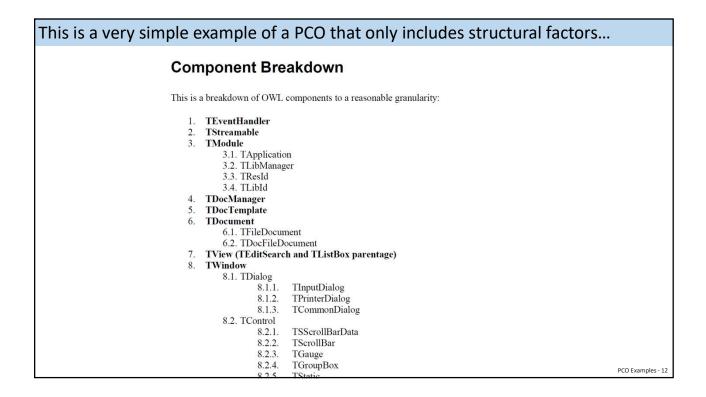




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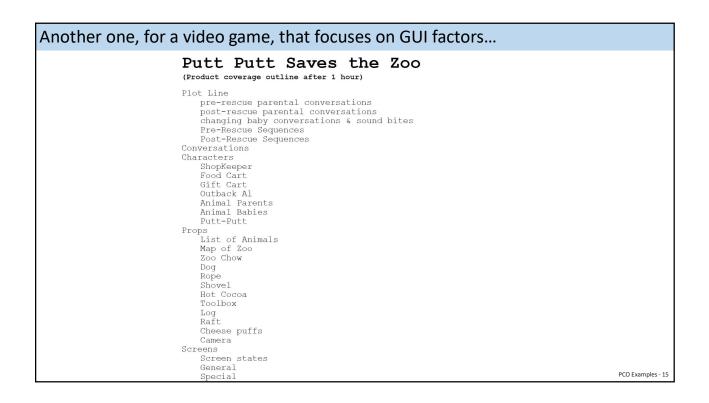


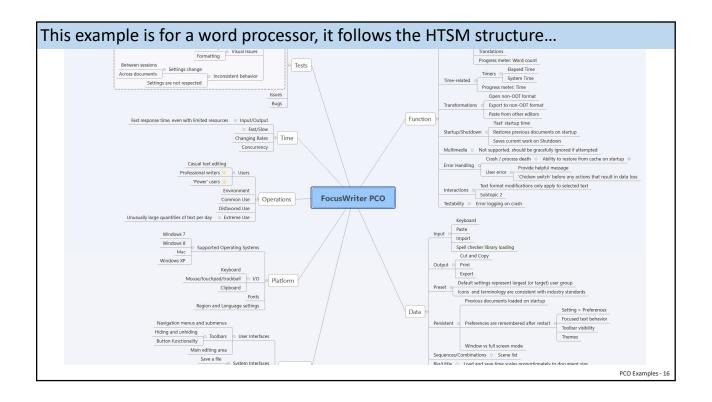


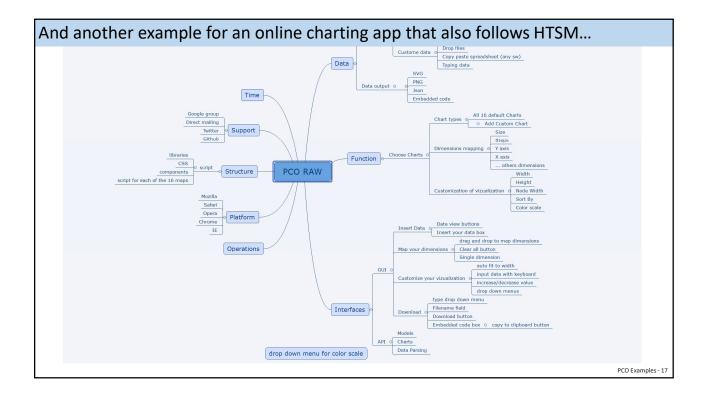
y high leve	el PCO (a	list of pro	ograms)	used for test	estimatior
Tool	Popularity	Rate of Change	Complexity	Existing automation	Required Testing*
TD32	High	High	High	None	Extensive
TDX	High	High	High	Minimal	Extensive
TDW	High	High	High	Moderate	Extensive
TDV	High	High	High	Moderate	Extensive
TD286	High	Low	High	Moderate	Moderate
TD386	High	Low	High	Moderate	Moderate
TD	High	Low	High	Moderate	Moderate
GUIDO	High	High	High	Minimal	Extensive
TPROF	Moderate	Moderate	High	None	Moderate
TPROFW	Moderate	Moderate	High	None	Moderate
TF386 (TFV)	Low	Low	High	Minimal	Moderate
TFREMOTE	Low	Low	Moderate	None	Minimal
TDREMOTE	Moderate	Low	Moderate	None	Minimal
WREMOTE	Low	Low	Moderate	None	Minimal
WRSETUP	Low	Low	Low	None	None
TDRF	Moderate	Low	Low	None	None
TDUMP32	Moderate	Moderate	Low	None	Minimal
TDUMP	Moderate	Low	Low	None	None
TDINST	Moderate	Moderate	Low	Minimal	Minimal
TDINST32	Moderate	High	Low	None	Minimal
TDSTRIP	???	Moderate	Low	None	Minimal
TDMEM	???	Low	Low	Minimal	None
TDDEV	???	Low	Low	Minimal	None

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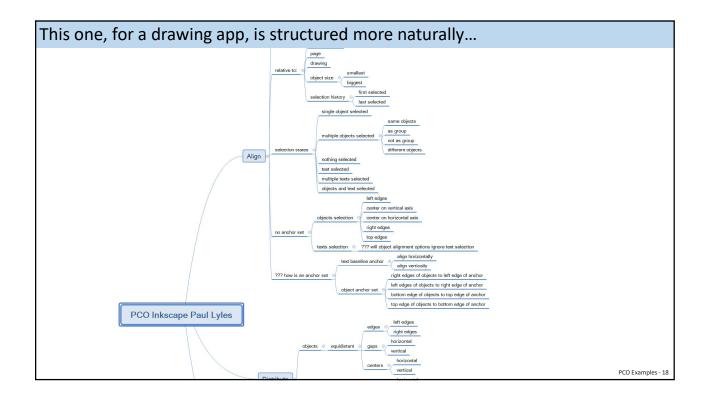
Another simple example, wit	th minimal formatting, focusing on UI factors
DiskMaj (After 30 Mir	pper Test Notes
FUNCTIONS	
Drive Selecti Print Map File Operatic delete unzip/z print run informa Invoke Explor Exit/Startup Mapping Metho Color S level c Color k	ons zip ation rer od Scheme colors
Show one/many	y levels PCO Examples-14

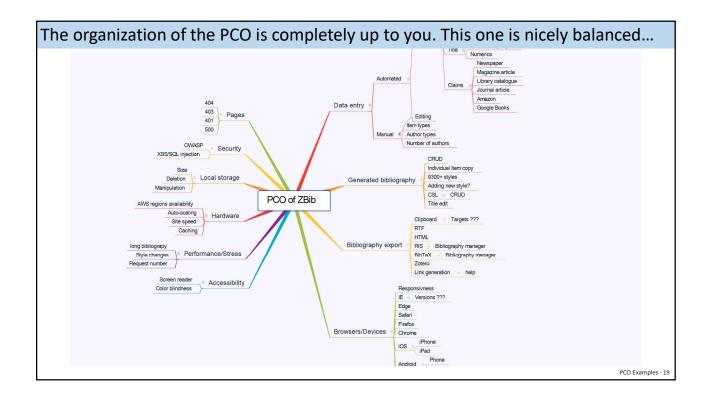




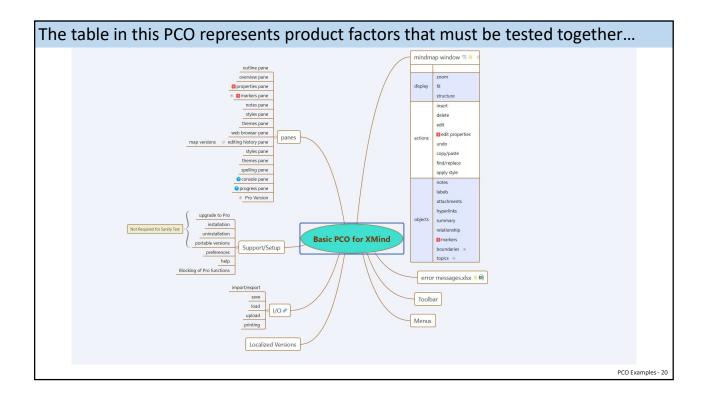


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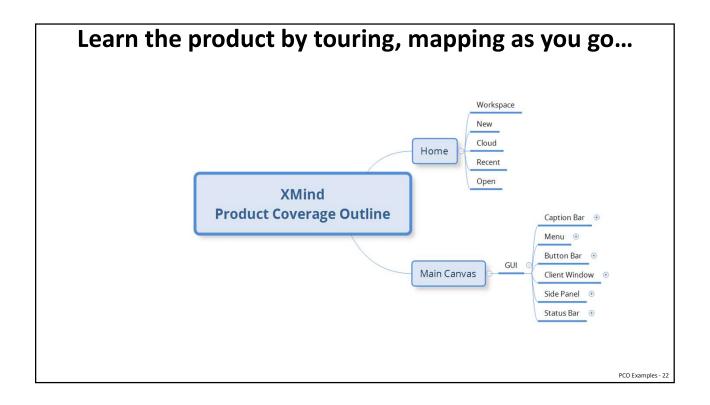


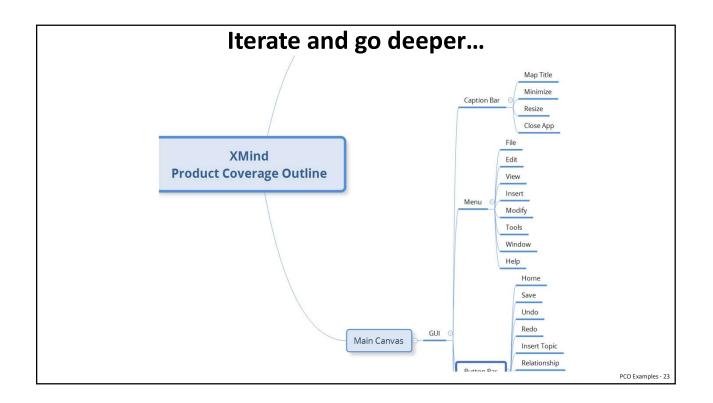
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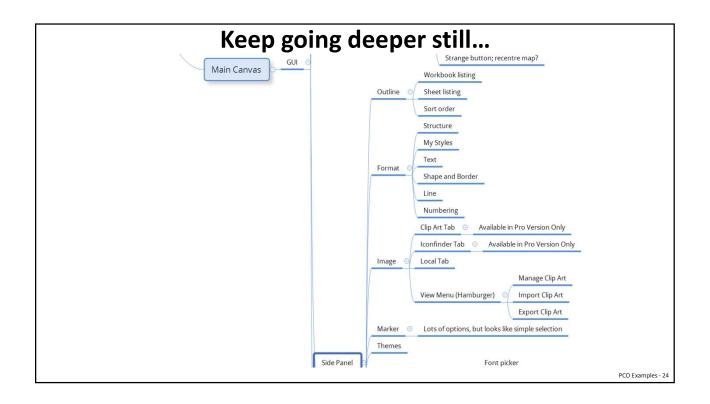
	ele is a list of the appropriate style names and value an exhaustive list, but as a quick reference. Always o	-
Styles Name	Styles values	
ShapeClass	DEFAULT	
	TOPIC_SHAPE_ROUNDEDRECT	
	TOPIC_SHAPE_RECT	
	TOPIC_SHAPE_ELLIPSE	
	TOPIC_SHAPE_UNDERLINE	
	TOPIC_SHAPE_DIAMOND	
	TOPIC_SHAPE_CALLOUT_ELLIPSE	*
	TOPIC_SHAPE_CALLOUT_ROUNDEDRECT	
	TOPIC_SHAPE_NO_BORDER	
LineClass	DEF_BRANCH_DECORATION	
	BRANCH_CONN_STRAIGHT	
	BRANCH_CONN_CURVE	
	BRANCH_CONN_ARROWED_CURVE	
	BRANCH_CONN_ROUNDEDELBOW	
	BRANCH_CONN_ELBOW	

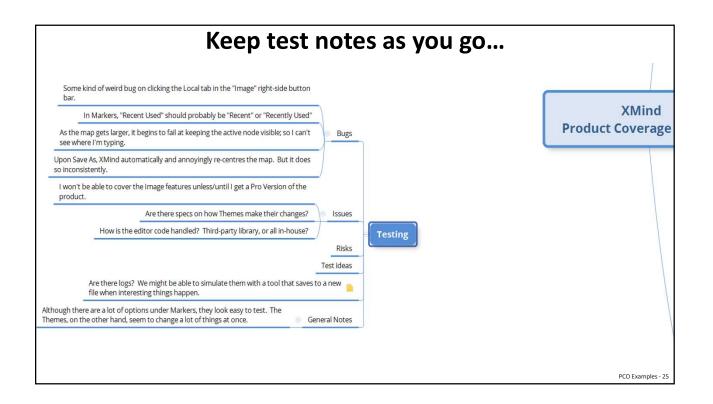
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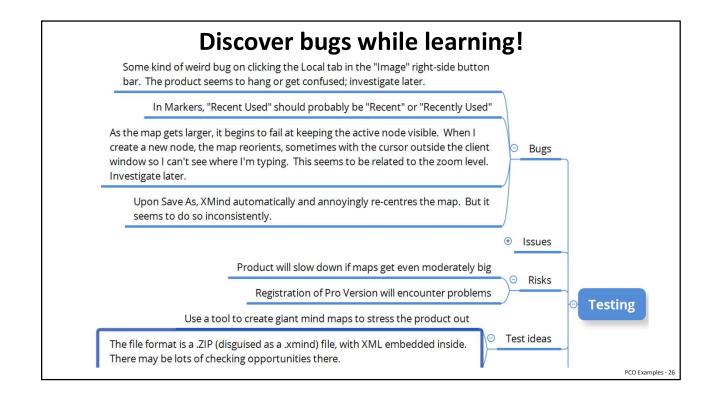


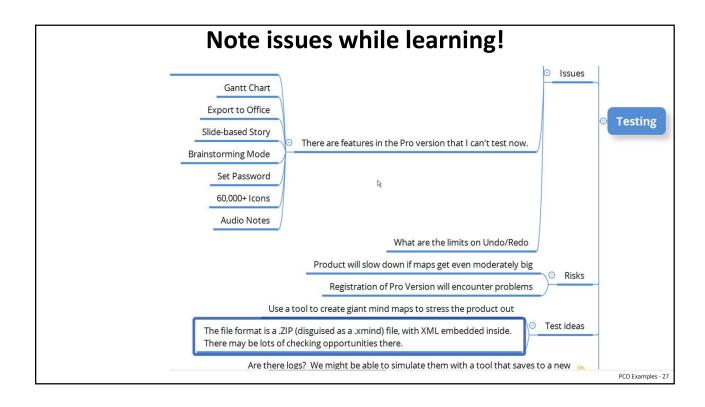
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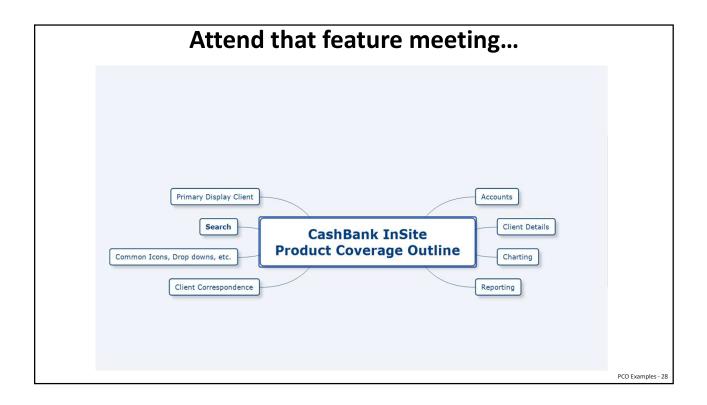


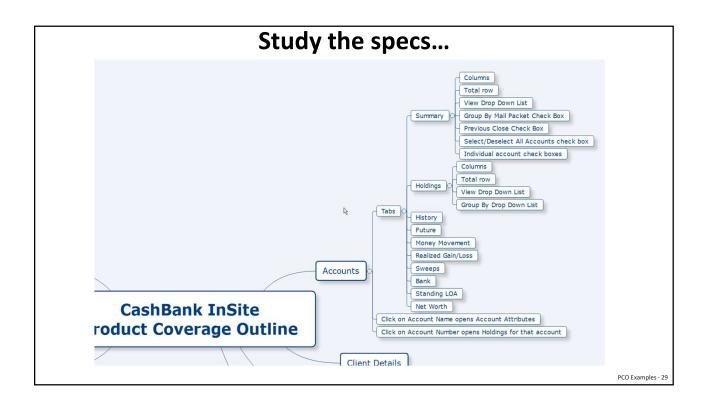
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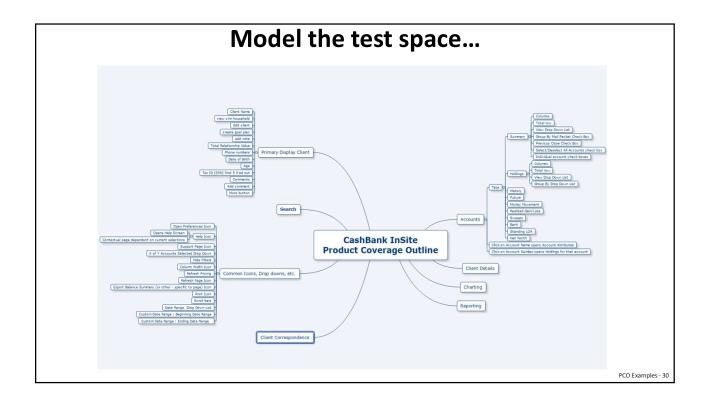


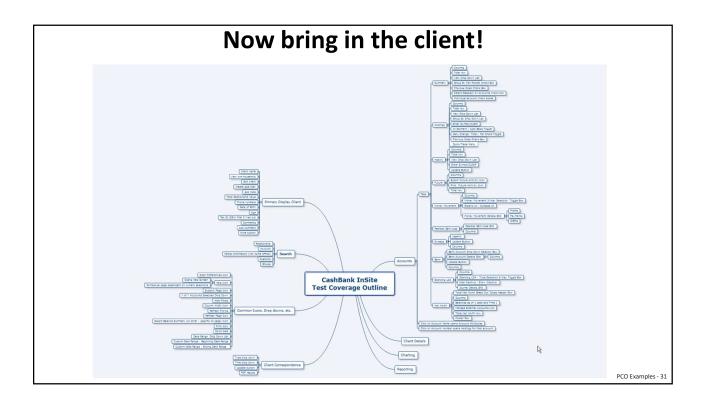
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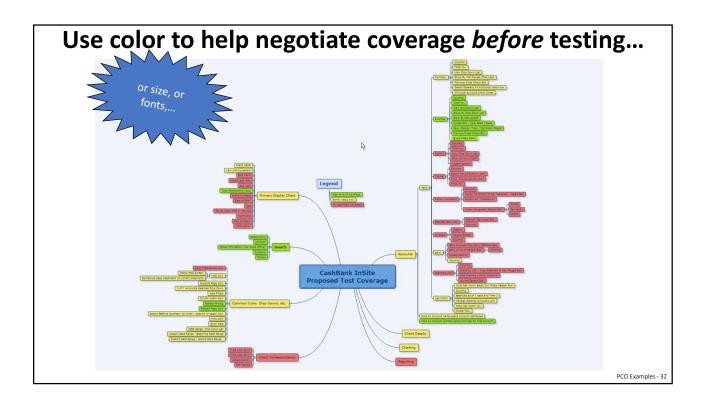


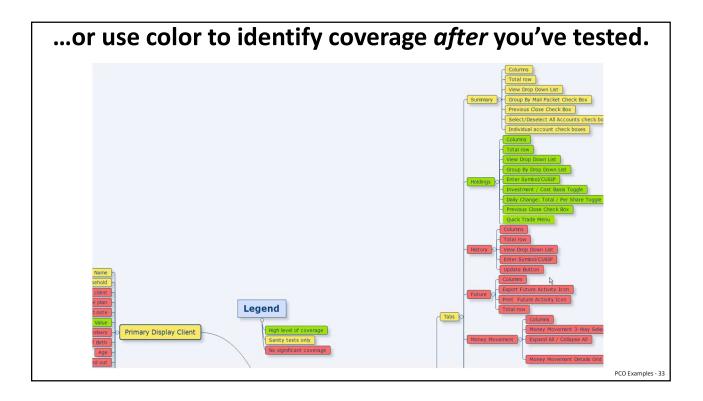
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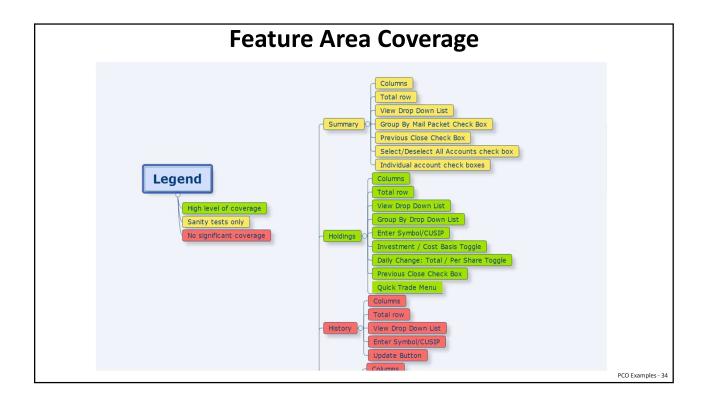


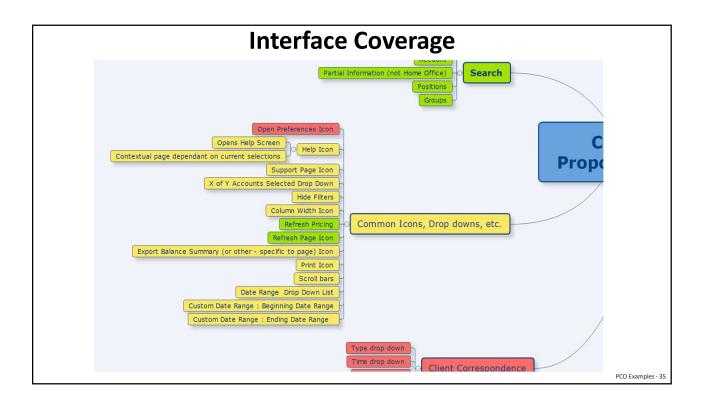
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Level 0	We don't know much about this area. We're aware that this area exists, but it's mostly a black box to us, so far. Whatever testing that's been done, we don't really trust.
Level 1	We're just getting to know this area. We've done basic reconnaissance; surveyed it; we've done smoke and sanity testing. We may have some artifacts that represent our models, which will help us to talk about them and go deeper. If the product were completely broken, we'd know.
Level 2	We've learned a good deal about this area. We've looked at the core and the critical aspects of it. We're collecting and diversifying our ideas on how to cover it deeply. We've done some substantial testing focused on common usage patterns, the highest suspected risks, and the most important quality criteria.
Level 3	We have a comprehensive understanding of this area. We've looked deeply into it from a number of perspectives, and applied a lot of different test techniques. We've done harsh, complex, and challenging tests on a wide variety of quality criteria. If there were a problem or unrecognized feature in this area that we didn't know about, it would be a big surprise. Any problem that escapes can teach us something important (as opposed to being evidence of not trying very hard).

PCO Examples - 36