

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.

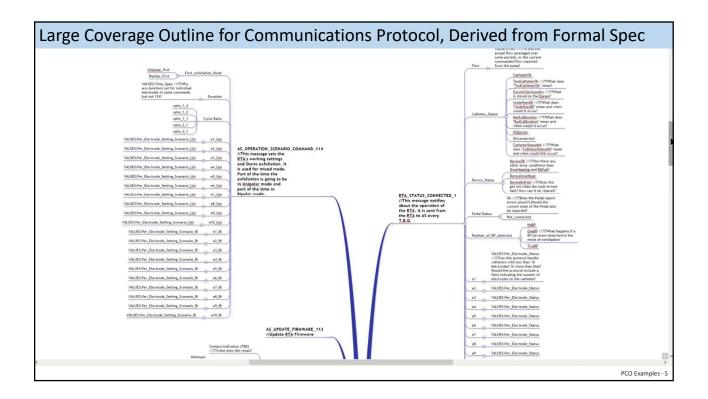
• Do not include quality criteria or risks.

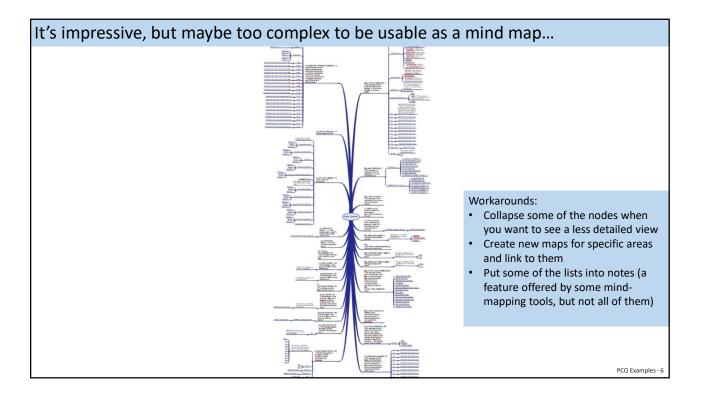
• Because the same risk can apply to many different factors in a PCO, having risks in a separate outline give more flexibility.

• 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.

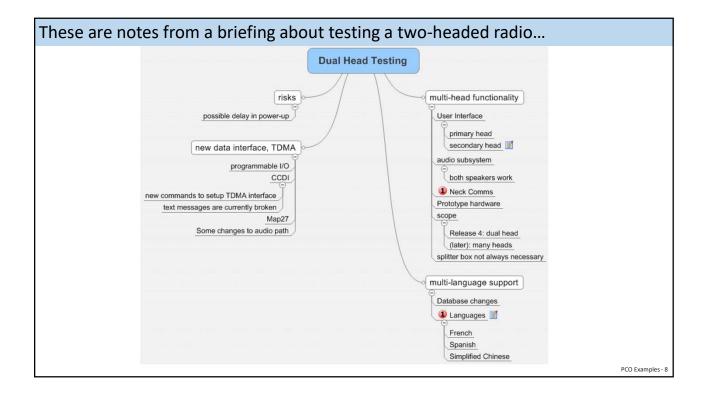
PCO Examples - 4



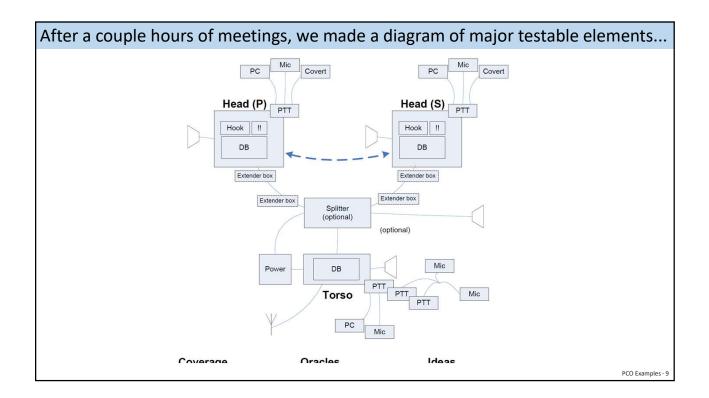


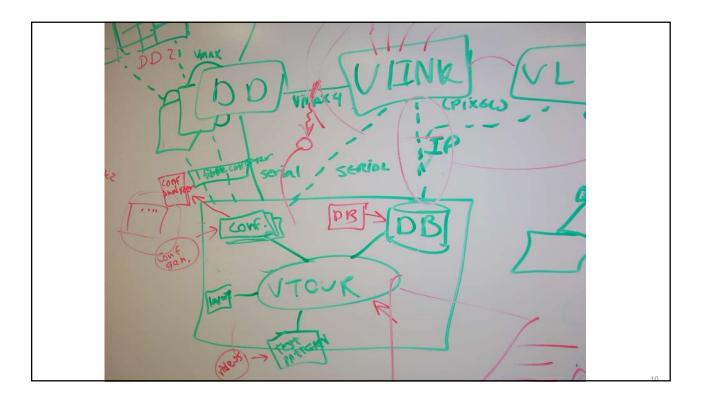
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| 273 | 272 AS_OPERATION_COMMAND_101 | e3 | Temperature | high | minimum | |
|-----|--|----------------------|-------------|------------|------------|---|
| 274 | 273 AS OPERATION COMMAND 101 | e3 | Temperature | maximum | low | |
| 275 | 274 AS OPERATION 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 | | | • |

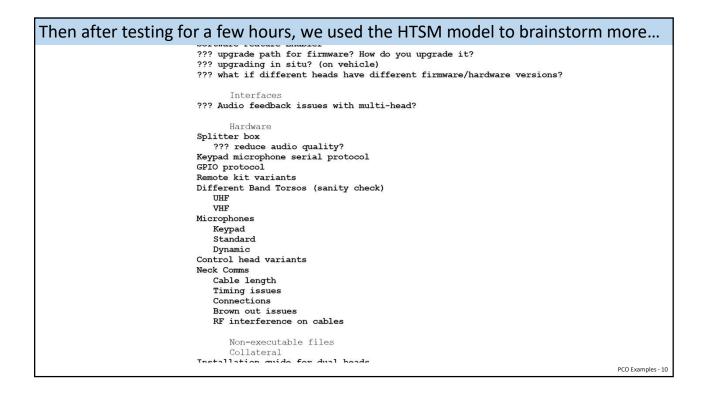


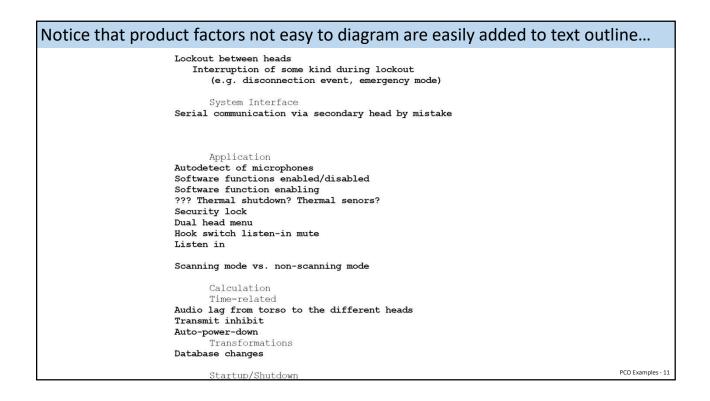
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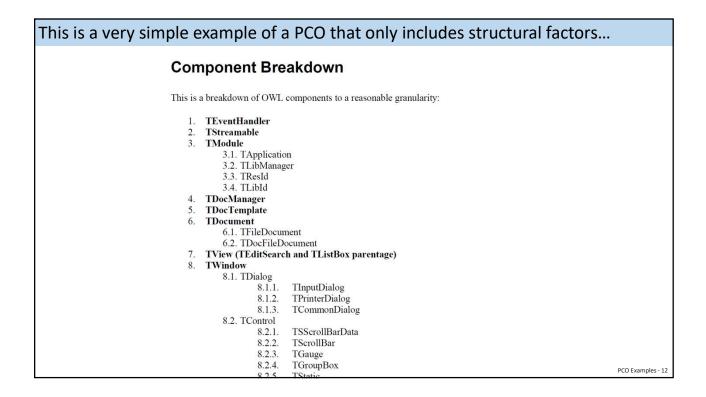




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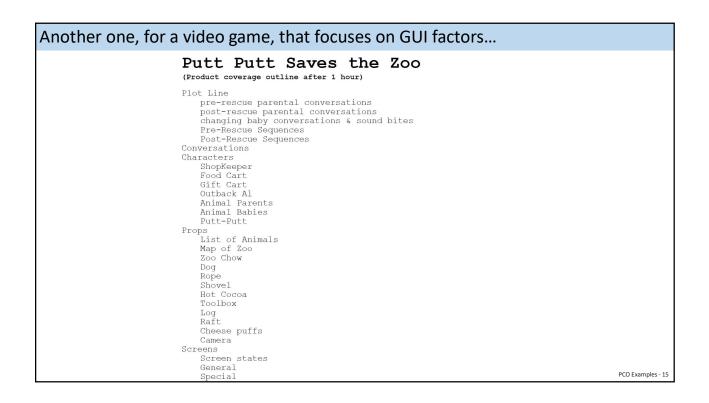


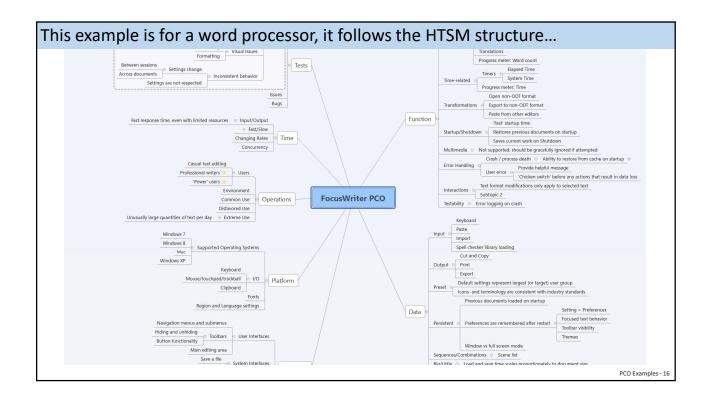


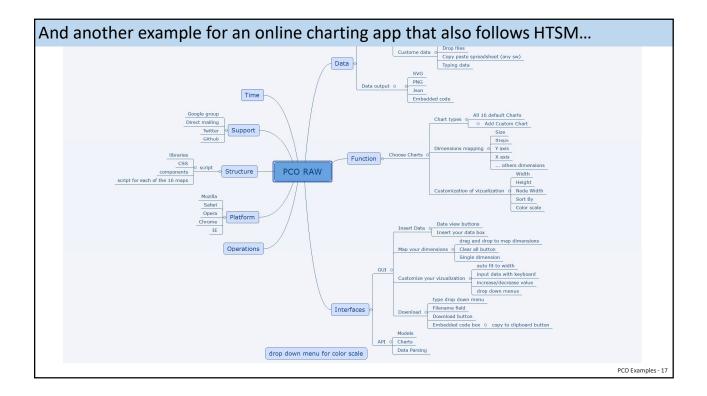
| y high leve | el PCO (a | list of pro | ograms) | used for test | estimatior |
|-------------|------------|----------------|------------|---------------------|----------------------|
| Tool | Popularity | Rate of Change | Complexity | Existing automation | Required Testing* |
| TD32 | High | High | 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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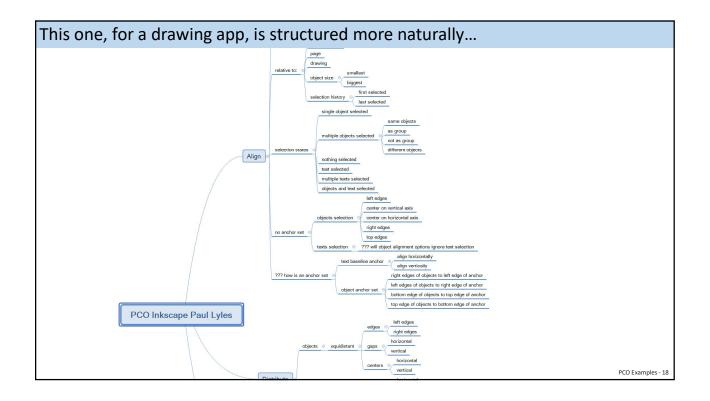
| Another simple example, wit | th minimal formatting, focusing on UI factors |
|--|--|
| DiskMaj (After 30 Mir | pper Test Notes |
| FUNCTIONS | |
| Drive Selecti Print Map File Operatic delete unzip/z print run informa Invoke Explor Exit/Startup Mapping Metho Color S level c Color k | ons zip ation rer od Scheme colors |
| Show one/many | y levels PCO Examples-14 |

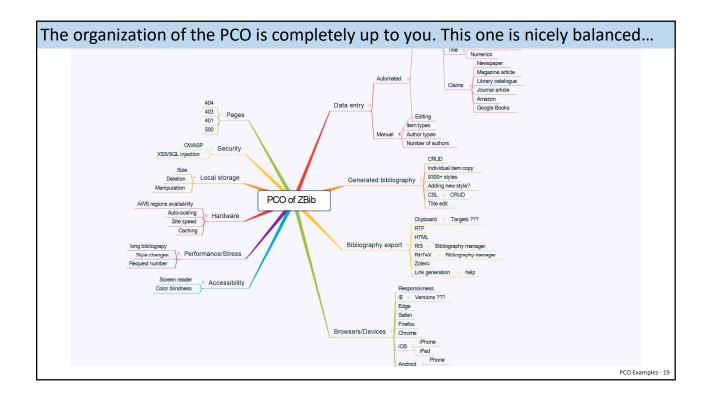




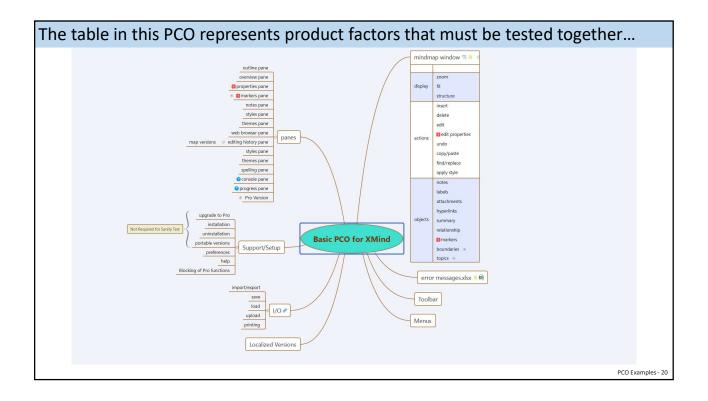


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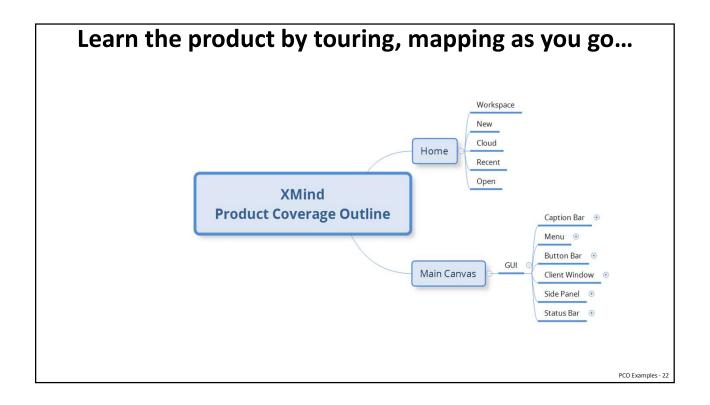


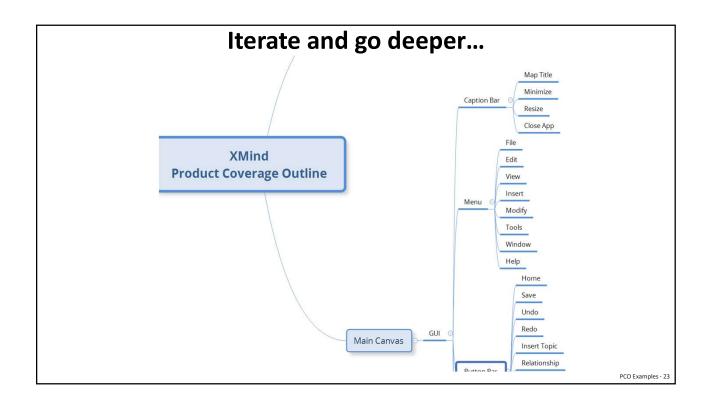
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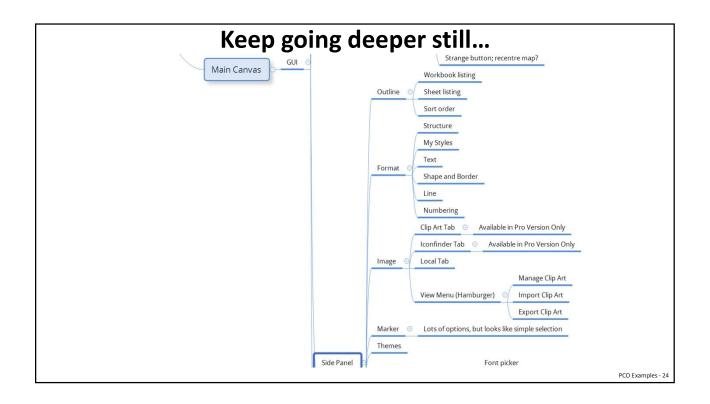
| | ele is a list of the appropriate style names and value an exhaustive list, but as a quick reference. Always o | - |
|-------------|--|---|
| Styles Name | Styles values | |
| ShapeClass | DEFAULT | |
| | TOPIC_SHAPE_ROUNDEDRECT | |
| | TOPIC_SHAPE_RECT | |
| | TOPIC_SHAPE_ELLIPSE | |
| | TOPIC_SHAPE_UNDERLINE | |
| | 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 | |
| | | |

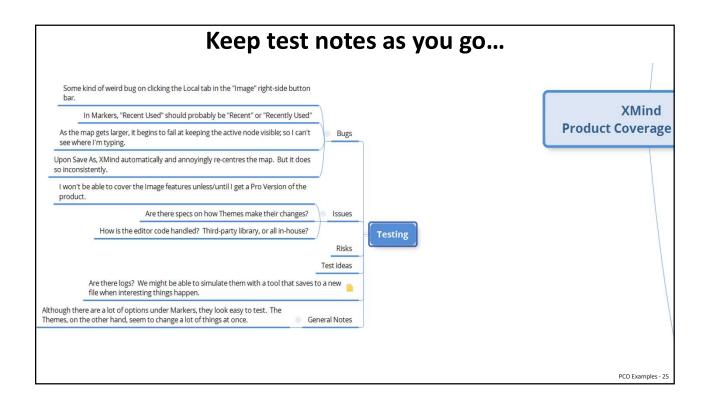
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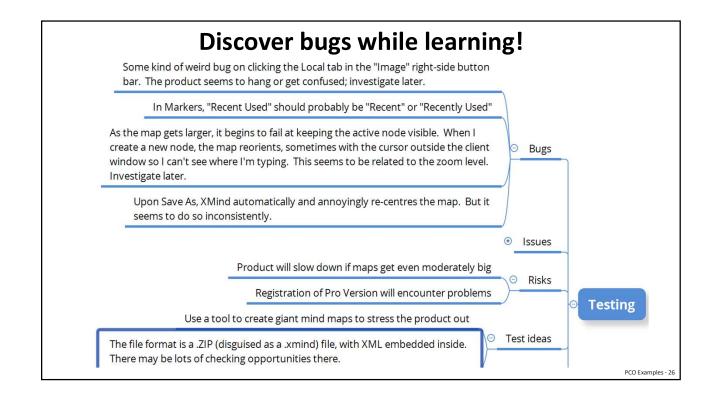


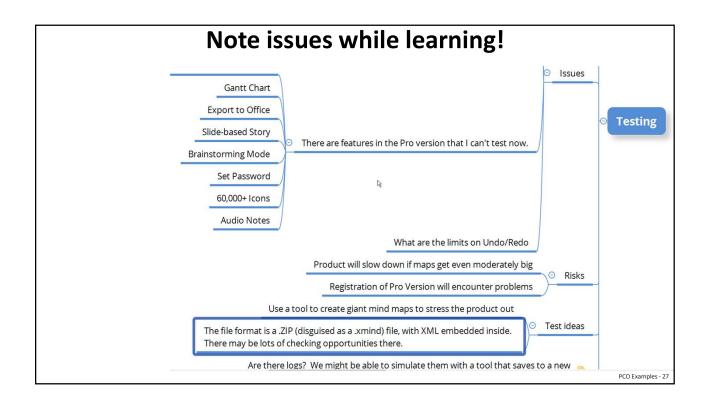
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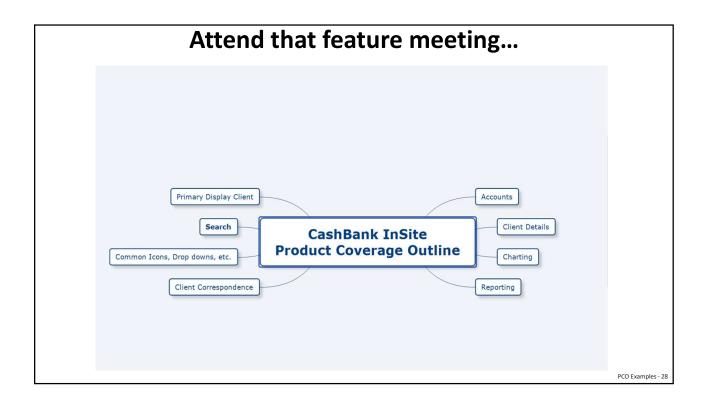


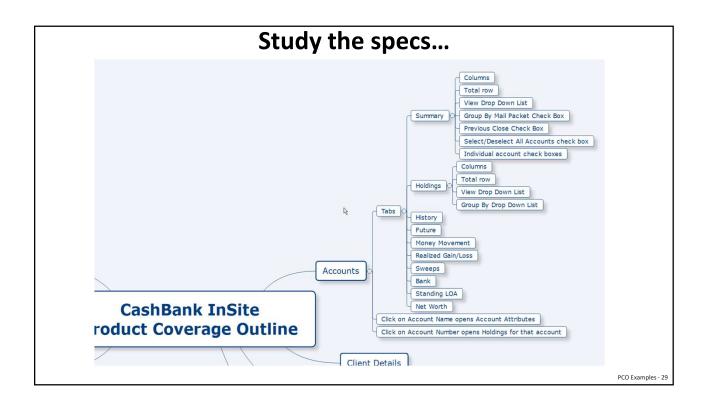
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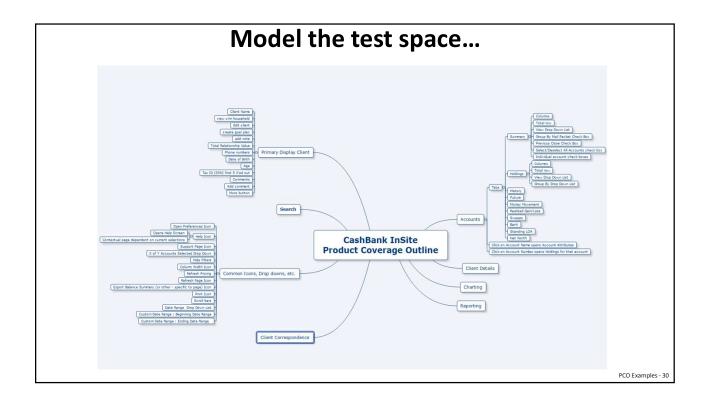


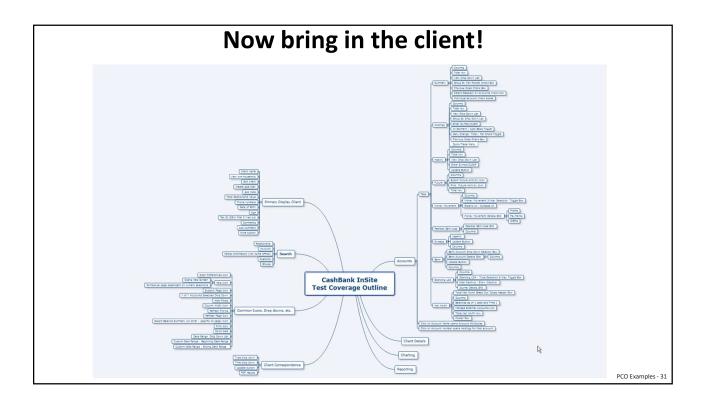
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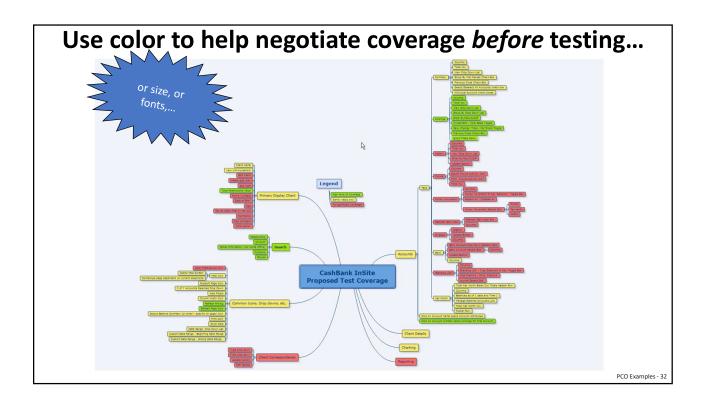


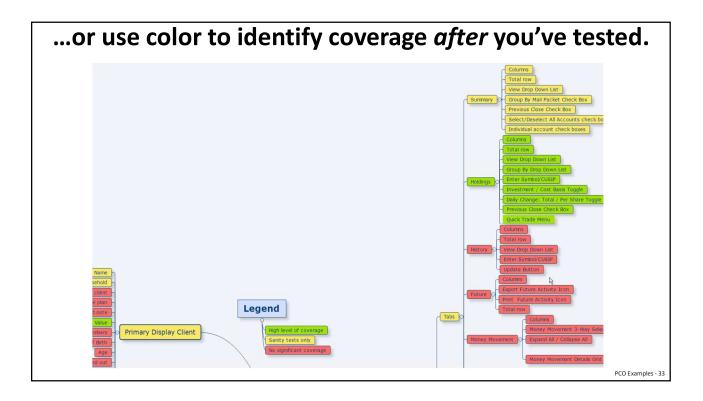
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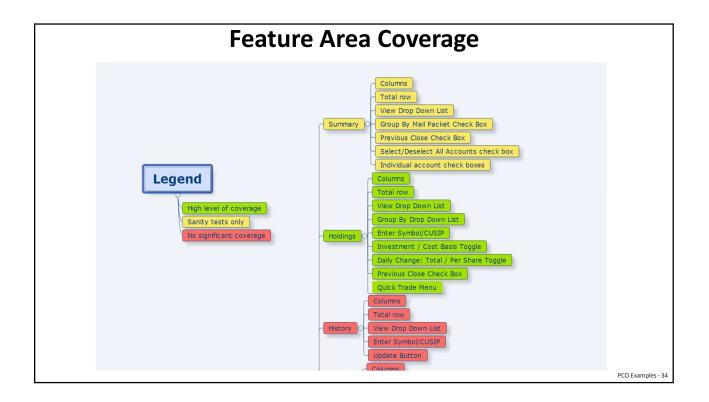


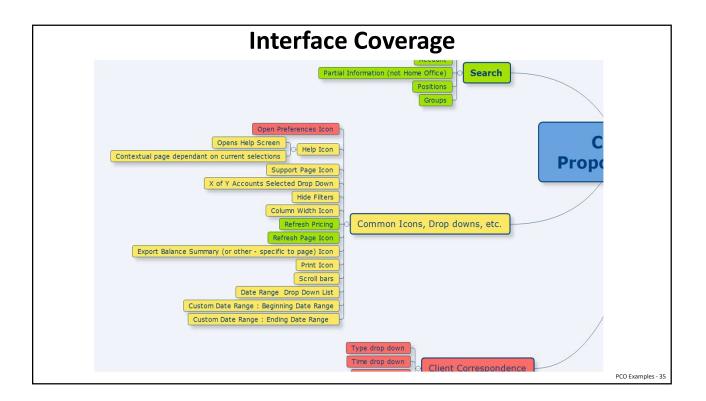
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| Level 0 | We don't know much about this area. We're aware that this area exists, but it's mostly a black box to us, so far. Whatever testing that's been done, we don't really trust. |
|---------|--|
| Level 1 | We're just getting to know this area. 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