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| Figure 1. – Design Data | | | | | |  |
| Task | Statement | inputs | initialize | process | outputs | Output Data |
| Executive | Direct Processing | UserCL | RootPath  Patterns  Options | CreateParts  Initialize  start | console | ErrMsgs |
| CLprocessor | Parse Cmdline | Executive | errMsg | Parse into path and options | Executive | RootPath  Patterns |
| FileSearch | Find files in dir tree matching patterns | Executive | RootPath  patterns | RecursiveDirWalk | ExtractMetadata  Organize | File Metadata  File names |
| ExtractMetadata | Query date, size | FileSearch | clearStructures | QueryDirEntry | FileSearch | Metadata |
| Organize | Build output data structure | FileSpecs | Clear | Stable Sort | Display | File Data Structure |
| Display | Real-time and final | Organize | CreateStruct | Real\_time\_name\_output  Organized\_Data | console | File Information |