

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