

Class Name: File	
Description: Represents the Script, Historical Copy, and PDML	
Contracts: 7. Create Historical Copy <i>Convert in tShark</i> convertPCAP(File) Description: Receives a PCAP file to be sent to tShark for conversion to receive a PDML file. Pre: The file is of type PCAP. Post: <i>Create PDML File</i> createHistCopy(File) Description: Receives a PDML file and creates a historical copy of the PDML file. Pre: The file is a PDML file. Post: Private Responsibilities: - Create new File	Collaborations: tShark (27)
Comments: Abstract class which handles creation, opening, saving, and modifications to PDML original and Script as well as creation of Historical Copies	

Class Name: Historical Copy	
Description: File Class subtype which contains captured network data within PFS	
Contracts: 12. Manage Historical Copy <i>Create PDML File</i> createHistCopy(File) Description: Receives a PDML file and creates a historical copy of the PDML file. Pre: The file is a PDML file. Post: <i>Store PDML File</i> storePDML(File) Description: Receives a PDML file and stores it on the local filesystem. Pre: The file has not been stored before on the current local filesystem of the user. Post: Private Responsibilities:	Collaborations: File (7) File (7)
Comments: Attributes include identification as unmodifiable and metadata; type of File	

Class Name: ProtocolIdentifier	
Description: Scans PDML to identify existing and non-existing Formatters for each Protocol	
Contracts: 20. Scan PDML <i>Identify Protocols</i> identifyProtocols(File) Description: Receives a file and returns a list of all identified protocols from the file. Pre: Post: Returns a list of all identified protocols from the file. <i>Identify Formatters</i> identifyFormatters(File) Description: Receives a file and returns a list of all identified Formatters from the File. Pre: The File has been opened by PFS. Post: Returns a list of all applied Formatters from the File. <i>Create Formatter</i> Create Formatter(Rule<>) Description: Receives a list of Rules to build a new Formatter. Pre: The Rule list is Empty Post:	Collaborations: Formatter (10) Formatter (10) Formatter (10)
Private Responsibilities:	
Comments: Reads through Protocols in a modifiable PDML	