

Class Name: Action	
Description: Contains the operations to perform with a Formatter's Rule(s)	
Contracts: 1. Manage Action <i>Add Action to Rule</i> addAction(Rule<>, Action) Description: Receives a Rule and an Action, adds a new Action to the Rule. Pre: The action belongs to one of hiding, renaming, annotating or creating a hook. Post: The addition of the specified action to the rule. <i>Delete Action from Rule</i> deleteAction(Rule<>, Action) Description: Receives an action and deletes it. Pre: The Action is in the Rule and is the last added to the Rule. Post: The deletion of the Action. 2. Manage Field <i>Hide Field</i> hideField(Field) Description: Receives a field currently displayed and hides it. Pre: The field belongs to one of A and is not hidden. Post: The field is hidden. <i>Unhide Field</i> showField(Field) Description: Receives a field currently hidden and displays it. Pre: The field belongs to one of A and is not hidden. Post: The field is displayed. <i>Update Field</i> updateField(String, Field) updateField(Boolean, Field) Description: Receives either a string or a Boolean along with a field, and updates a field value according to the value provided. Pre: The field belongs to one of A. Post: The field element value gets changed to the new value. Private Responsibilities:	Collaborations: Rule (23), Hook (13) Rule (23), Hook (13) Field (5) Field (5) Field (6), Hook (15)
Comments: Contains the steps by which to: Hide, Rename, Annotate, Create Hook	

Class Name: GUI	
Description: Interfaces to PFS functionality	
Contracts: 28. Visualize Script Requests <i>Accept Script Modifications</i> modifyScript(Hook) Description: Accepts the user input to modify the Script for this Hook Pre: This Hook exists Post: <i>Accept Input Parameters</i> addInputParameters(Hook, String) Description: Accepts the user input to add input parameters to run this Hook's Script Pre: This Hook exists Post: <i>Accept Link to Script</i> modifyScriptLink(Hook, String) Description: Accepts the user input to modify the link to this Hook's Script Pre: This Hook exists and this String is a valid system path Post: 29. Visualize PDML Modifications <i>Revert PDML to Historical Copy</i> revertToOriginal(PDML) Description: Pre: This PDML has a Historical Copy Post: The Historical Copy remains unmodified. <i>Accept PDML Changes</i> acceptChanges(PDML) Description: Saves edits to this PDML File. Pre: Post: The Historical Copy remains unmodified and PDML File is saved. Private Responsibilities: - Accept input - Visualize changes	Collaborations: Hook (14) Hook (14) Hook (14) PDML (18) PDML (18)
Comments: Accepts inputs and outputs to display	

Class Name: PDML	
Description: Allows by subtype to modify and analyze network data within PFS	
Contracts: 17. Apply Formatter <i>Apply Formatter Rules</i> applyFormatter(Formatter) Description: Formatter to apply its rules to the current PDML Pre: The Formatter is not currently being edited and the current PDML has Protocol(s) for this Formatter. Post: The modified PDML will be saved and the Historical Copy will remain unedited. <i>Update Field</i> updateField(Action, Field) Description: Receives a Field and an Action to be applied to this Field Pre: The Field exists within the PDML's Protocol. Post: Only this Field will be modified according the specifications of this particular Action. 18. Revert to Historical Copy <i>Visualize Changes from PDML and Historical Copy</i> findChanges(HistoricalCopy) Description: Returns a list of the differences between this PDML and its Historical Copy. Pre: This PDML's Historical Copy does exist within PFS. Post: The PDML and Historical Copy will not be changed. <i>Accept or Reject Changes</i> acceptChanges() Description: Saves the changes applied to this PDML in the PFS Pre: The Formatter has been applied. Post: Only this will be saved in the PFS. rejectChanges(HistoricalCopy) Description: Reverts the modified PDML to its Historical Copy Pre: The Historical Copy exists in the PFS. Post: The modified PDML copy is a deep copy of its Historical Copy. Private Responsibilities: - Save Changes	Collaborations: Formatter (10) Field (6) Historical Copy (12) GUI (29)
Comments: Attributes include identification as modifiable and metadata; type of File	

<p><i>Visualize Field</i></p> <p>hideField(Field)</p> <p>Description: Receives a field currently displayed and hides it.</p> <p>Pre: The field exists in the Protocol of the PDML and is not hidden.</p> <p>Post:</p> <p>showField(Field)</p> <p>Description: Receives a field currently hidden and displays it.</p> <p>Pre: The field exists in the protocol of the PDML and is not hidden.</p> <p>Post:</p> <p>Private Responsibilities:</p>	
<p>Comments:</p> <p>Contains one Field and the following attributes: name (String), longname (String), size (Bytes), and pos (Bytes)</p>	