Class Name: Action		
Description: Contains the operations to perform with a Formatter's Rule(s)		
Contracts:	Collaborations:	
1. Manage Action		
Add Action to Rule	Rule (23), Hook	
addAction(Rule<>, Action)	(13)	
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.		
•		
Delete Action from Rule	Rule (23), Hook	
deleteAction(Rule<>, Action)	(13)	
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	Field (5)	
Hide Field		
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.		
Unhide Field	Field (5)	
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.		
Update Field	Field (6), Hook	
updateField(String, Field)	(15)	
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:		
Comments:		
Contains the steps by which to: Hide, Rename, Annotate, Create Hook		

Class Name: GUI		
Description: Interfaces to PFS functionality		
Contracts:	Collaborations:	
28. Visualize Script Requests		
Accept Script Modifications	Hook (14)	
modifyScript(Hook)		
Description: Accepts the user input to modify the Script for this Hook		
Pre: This Hook exists		
Post:		
Accept Input Parameters	Hook (14)	
addInputParameters(Hook, String)	Hook (11)	
Description: Accepts the user input to add input parameters to run this Hook's Script		
Pre: This Hook exists		
Post:		
1 334		
Accept Link to Script	Hook (14)	
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		
Revert PDML to Historical Copy	PDML (18)	
revertToOriginal(PDML)		
Description:		
Pre: This PDML has a Historical Copy		
Post: The Historical Copy remains unmodified.		
A PDW C	DDM (10)	
Accept PDML Changes	PDML (18)	
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		
Comments:		
Accepts inputs and outputs to display		

Class Name: PDML		
Description: Allows by subtype to modify and analyze network data within PFS		
Contracts:	Collaborations:	
17. Apply Formatter		
Apply Formatter Rules	Formatter (10)	
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.		
77 J . 79 J J	F: 11 (6)	
Update Field	Field (6)	
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		
Visualize Changes from PDML and Historical Copy	Historical Copy	
findChanges(HistoricalCopy)	(12)	
Description: Returns a list of the differences between this PDML and itsHistorical	(12)	
Copy.		
Pre: This PDML's Historical Copy does exist within PFS.		
Post: The PDML and Historical Copy will not be changed.		
1 ost. The 1 2 M2 and 11 storical copy will not be changed.		
Accept or Reject Changes	GUI (29)	
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		
Comments:		
Attributes include identification as modifiable and metadata; type of File		

Class Name: ProtoElement	
Description: Element of each Packet in a PDML File	
Contracts:	Collaborations:
21. Manage ProtoElement	
Edit Action	Rule (23)
addAction(Rule, Action)	
Description: Receives a rule and an action, adds a new action to the rule.	
Pre: The action is hiding, renaming, annotating or creating a hook.	
Post:	
deleteAction(Action)	
Description: Receives an action and deletes it.	
Pre: The action is hiding, renaming, annotating or creating a hook.	
Post:	
1 000.	
Edit Filter	
addFilter(Rule, Filter)	
Description: Receives a filter and a rule, adds the filter to the rule.	
Pre: The Filter does not already exist in the Rule	
Post:	
	D 1 (22)
deleteFilter(Rule, Filter)	Rule (22)
Descritpion: Receives a filter and deletes it.	
Pre: The Filter is the last added to the Rule. Post:	
Post.	
Edit Field	Field (6)
renameField(String, Action, Field)	Tield (0)
Description: Receives a string and a field to rename using the provided string, adding	
to the Action	
Pre: The field belongs to one of A and the string is unique.	
Post:	
addHook(Action, Field)	Rule (23), Field
Description: Adds a Hook to this Field in this Action. Pre: The Field is editable by this Formatter.	(6)
Post: The Hook is added to the Action for this Field with a Script attached to it.	
1 0st. The 1100k is added to the Action for this I feld with a Script attached to it.	
addAnnotation(Action, Annotation)	
Description: Receives an action and an annotation, adds a new annotation to the	
action.	
Pre: The action is hiding, renaming, annotating or creating a hook.	
Post:	
deleteAnnotation(Annotation)	
Description: Receives an annotation and deletes it. Pre: The annotation exists with this ProtoElement	
Pre: The annotation exists with this ProtoElement Post: Only the annotation is removed from this ProtoElement	
1 ost. Omy the annotation is removed from this i rotoElement	
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 exists in the PDML.	
Post:	

Visualize Field

hideField(Field)

Description: Receives a field currently displayed and hides it.

Pre: The field exists in the Protocol of the PDML and is not hidden.

Post:

showField(Field)

Description: Receives a field currently hidden and displays it.

Pre: The field exists in the protocol of the PDML and is not hidden.

Post:

Private Responsibilities:

Comments:

Contains one Field and the following attributes: name (String), longname (String), size (Bytes), and pos (Bytes)