Class Name: Field		
Description: Element of ProtoElement that is editable Rule(s) in a given Protocol		
Contracts:	Collaborations:	
5. Visualize Field		
Show Field	Action (2)	
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.		
Hide Field	Action (2)	
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.		
6. Modify Field	Action (1)	
Rename Field		
renameField(String, Action, Field)		
Description: Receives a string and a field to rename using the provided string, adding		
to the Action		
Pre: The Field exists within the PDML		
Post:		
Add Hook to Field	Action (1)	
addHook(Action, Field)		
Description: Adds a Hook to this Field in this Action.		
Pre: The Field is editable by this Formatter.		
Post: The Hook is added to the Action for this Field with a Script attached to it.		
70.11		
Annotate Field	AnnotationAction	
addAnnotation(Action, Annotation)	(3)	
Description: Receives an action and an annotation, adds a new annotation to the		
action.		
Pre: The action is either hiding, renaming, annotating or creating a hook.		
Post: The addition of the specified annotation to the action.		
Undata Field	Hook (15)	
Update Field updateField(String, Field)	ПООК (13)	
updateField(Boolean, Field)		
1 *		
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 within the PDML		
Post:		
TOST.		
Private Responsibilities:		
1 Tivate Responsibilities.		
Comments:	1	

Contains the following optional and required attributes:

Optional attributes - hidden (Boolean), mask (Bytes), showdtl (String), showmap (String), showvalue (Integer)

Required attributes – longname (String), name (String), pos (Bytes), show, showname (String), size (Bytes), unmaskedvalue (required only if the length of the current field is not an integer number of bytes), value (Hex, String)

Class Name: Formatter		
Description: Allows to apply rules to Fields in a Protocol for inspection		
Contracts:	Collaborations:	
10. Manage Formatter		
Create Formatter	PDML (17)	
createFormatter(Rule<>)		
Description: Receives a list of rules to build a new formatter.		
Pre: The list of rules is empty		
Post:		
Apply Rules	Rule (22, 23)	
applyRules(Formatter, Rule<>)		
Description: Receives a Formatter and a set of Rules and applies the Rules to the		
Formatter.		
Pre: Rule<> is not empty, and the Formatter exists		
Post:		
11. Manage Rules		
Add a New Rule	Rule (22, 23)	
addRule(Formatter, Rule)		
Description: Receives a formatter and a rule, adds the rule to the formatter.		
Pre: The Rule is not empty and the Formatter exists.		
Post:		
Delete the Last Rule		
deleteRule(Rule)		
Description: Receives a rule and deletes it.		
Pre: The Rule is the last one added to the Formatter		
Post:		
Comments:		
Contains Filter and Action rules specific to one Protocol; type of File		

Class Name: Script		
Description: Subtype of File Class which contains the Python algorithm by which to update Field(s)		
Contracts:	Collaborations:	
24. Manage Script		
Create a New Script	Hook (13, 14)	
createScript(Hook)		
Description: Creates a Script for this Hook		
Pre:		
Post: The Script Python File will be created if it does not already exist.		
Delete Script	Hook (14)	
deleteScript(Hook)	110011 (11)	
Description: Deletes the Script from this Hook		
Pre: The Script is associated with this Hook.		
Post: The Script File is not deleted.		
25. Modify Script		
Update Algorithm	Hook (14)	
updateAlgorithm(String<>)		
Description: Overwrites the existing algorithm to contain this String<>		
Pre: The Script Python File exists.		
Post:		
Update File Path	Hook (14)	
updatePath(String)		
Description: Sets the path to this Script to be this String		
Pre: This String is a valid file system path to this Algorithm		
Post: The Script is not deleted.		
26. Run Script		
Get Return Value	Hook (15)	
getReturnValue()		
Description: Gets the return value from the Script's execution		
Pre: The Script has completed execution and has a return value		
Post:		
Update Field	Hook (15)	
updateField(Field)	110011 (10)	
Description: Updates the Field associated with this Hook		
Pre: The Script's return value type matches the Field's value type		
Post:		
Private Responsibilities:		
Comments:		
Contains editable algorithm and file path; type of File		