INF 111 / CSE 121

Laboratory 5: ArgoUML

Name :	
Student Number :	
Laboratory Time :	
Objectives	
Create a Use Case DCreate a Class DiagrCheck in ArgoUML p	
Preamble	
the most widely used types of diag	drawing UML diagrams. The Use Case and Class diagrams are ram from the UML family. This laboratory is a warm-up for cussing UML further in class and you'll be using ArgoUML for
Grading Checklist	
	n, you need to demonstrate to the TA that you can do the ff the items below that you have completed and collect this
□ New sub-clas □ Comment	L Class Diagram operation on Washer class
	roject in CVS using Eclipse
TA Initials:	

Instructions for the Laboratory

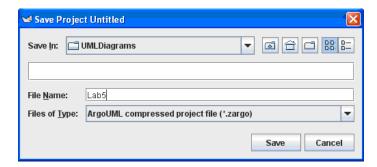
Task 1: Create a UML Use Case Diagram

For this task, you will create a UML Use Case Diagram using ArgoUML. It will be based on the requirements provided to you.

- a) Create a Directory called "UMLDiagrams" in your H directory.
- b) Start ArgoUML and create a new project.



c) Save your project as Lab5.zargo in H:\UMLDiagrams



- d) Create the UML Use Case Diagram called "Use Case Diagram DVD store" for a system to buy DVDs online. Customers, Delivery Men, and Administrators of the System will use the system. They can perform the following actions in the system: Customer:
 - Add DVD to shopping cart (requires the user to log in)
 - Remove DVD from shopping cart (requires the user to log in)
 - Check out shopping cart (requires the user to log in)
 - Review contents of shopping cart (requires the user to log in)
 - Search DVDs by Title and Category (Some examples of categories are: Series, Movies, Music)

Delivery Man:

- Check online orders
- · Change the status of the order to delivered

Administrator:

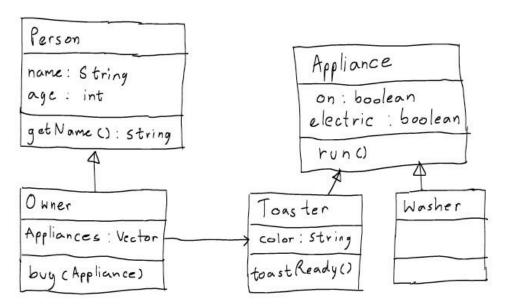
- Add DVD
- Update inventory of DVDs

Note: Use the "include" and "extend" relationships as needed. The multiplicity in all cases can be 0..*

Task 2: Create a UML Class Diagram

For this task, you will create a UML Class Diagram called "Class Diagram – DVD Store" using ArgoUML. It will be based on a sketch provided to you and you will have to add details.

a) Turn the hand-drawn sketch of appliances and owners into a UML class diagram in ArgoUML.



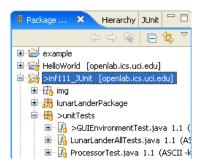
Task 3: Add Details to the Diagram

- a) Add multiplicities to the association between Owner and Toaster.
- b) Add one attribute and one operation to the Washer class. (These additions should make sense for a clothes washer.)
- c) Add a sub-class to the Appliance class.
- d) Add a comment to the diagram with your name and today's date.
- e) Add a Slot class that is related to the Toaster class using a Composition relation. This class must have "length", "width", and "full" Attributes. Add appropriate types for these Attributes.

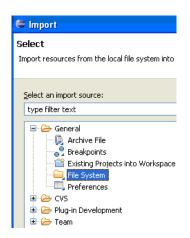
Task 4: Check in ArgoUML project in CVS using Eclipse

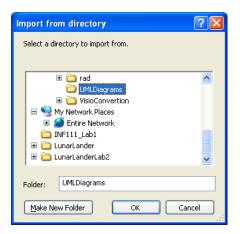
Import the ArgoUML model.

- a) Open Eclipse and go to the Java Perspective (Window -> Open Perspective -> Java)
- b) Using the Package Explorer, select the project you committed in CVS the last lab.

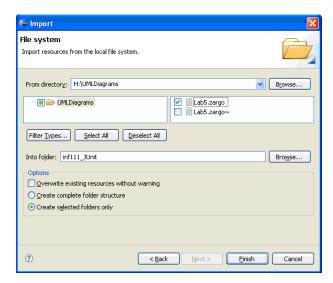


c) Go to File -> Import and select File System. Click Next. Browse the directory where you saved the ArgoUML file (H:\UMLDiagrams) and click OK.



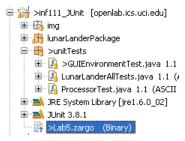


d) Select the Lab5.zargo file and click Finish.



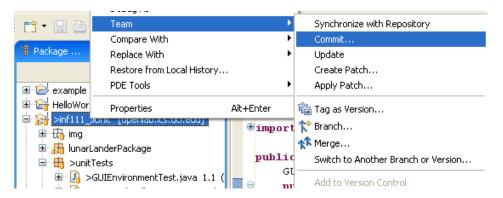
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e) You will see the file added to your project.



Commit the ArgoUML diagram in CVS.

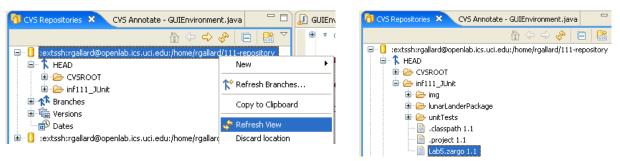
f) Select the project in the Package Explorer. Right click on it and select Team -> Commit



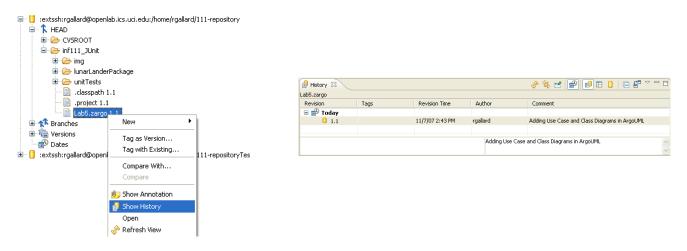
g) In the "Add resource" Window, click Next. Enter the commit comment "Adding Use Case and Class Diagrams in ArgoUML". Click Finish. If you are prompted for your password, enter it.



h) Go to Window -> Open Perspective -> Other (CVS Repository Exploring). Select your repository in the CVS Repositories view. Right click on it and select Refresh View. You will see the file Lab5.zargo has been included in the repository.



i) Select the file Lab5.zargo, right click and select Show History. You will see the history of the file



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