



Object-Oriented Design



Three Steps of OOD

Determine the actions ("methods") of the classes

1. From the **functional model** determine the messages sent from clients to objects.
2. Apply responsibility-driven design. If a client sends a message to an object, then that object is responsible for carrying out the request of the client. The client does not need to know how the request will be carried out.
3. Consolidate the actions (methods) of objects.

Class name	Financialinstrument
Method name	deleteRecord
Modifiers, type	public void
Arguments	none
Error messages	If record to be deleted does not exist
Files accessed	none
Files changed	none
Method called	findRecord, performDeletion
Narrative	Prompt user to enter ID of record to be deleted. Calls findRecord to find the specified record, then calls performDeletion to delete record. Finally, reports that record has been deleted.