

```

package player;

import edu.neu.ccs.demeterf.demfgen.lib.List;
import gen.*;

/**
 * Player interface to reveal the various agent implementations.
 */
public interface PlayerI {
    /**
     * Responsible for derivative creation.
     */
    interface CreateAgentI {
        /**
         * Returns a newly created derivative of a different type than already
         * existing derivatives.
         */
        Derivative createDerivative(Player player, List<Type> existing);
    }

    /**
     * Responsible for buying/selection.
     */
    interface BuyAgentI {
        /**
         * Returns a list of derivatives to be purchased.
         */
        List<Derivative> buyDerivatives(List<Derivative> forSale, double account);
    }

    /**
     * Responsible for raw material delivery.
     */
    interface DeliverAgentI {
        /**
         * Returns raw materials for the given derivatives.
         */
        Derivative deliverRawMaterial(Derivative needRM);
    }

    /**
     * Responsible for raw material finishing.
     */
    interface FinishAgentI {
        /**
         * Returns finished product for the given derivative.
         */
        FinishedProduct finishDerivative(Derivative needFinish);
    }

    /**
     * Returns the player's simple name.
     */
    public String getName();

    /**
     * Return the create agent responsible for derivative creation.
     */
    public CreateAgentI getCreateAgent();

    /**
     * Return the buy agent responsible for buying/selection.
     */
    public BuyAgentI getBuyAgent();

    /**
     * Return the deliver agent responsible for raw material delivery.
     */
    public DeliverAgentI getDeliverAgent();

    /**
     * Return the finish agent responsible for raw material finishing.
     */
    public FinishAgentI getFinishAgent();
}

```