

FastPitch Price Estimator

Message Flow

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Actor	Action
PriceEstimatorMediator	On instantiation, adds an event listener on the InputsCanvas for the USER_INPUTS_CHANGED event.
ViewComponent	When change to the content of a TextInput is committed via loss of focus, dispatches a UIChangedEvent with ChangeEvent's target.parent.id property added to the custom event as the control property and the TextInput's text property cast from String to Number and added as the volume property; the type of the event is USER_INPUTS_CHANGED.
PriceEstimatorMediator	Hears a UIChangedEvent.USER_INPUTS_CHANGED and populates a VolumeVO with the control and volume properties from the event and sends a USER_INPUTS_CHANGED notification with the VolumeVO as its payload.
UpdateCommand	Receives a USER_INPUTS_CHANGED notification, retrieves PriceEstimateProxy, passes VolumeVO payload as the argument of updateVolume() method.
PriceEstimateProxy	Uses VolumeVO payload values as arguments to PriceEstimate.updateVolume(); sends VOLUME_UPDATED notification with no payload.
ResultsCommand	Receives VOLUME_UPDATED notification, retrieves the PriceEstimateProxy and invokes the computeResults() method with no argument.
PriceEstimateProxy	Calls PriceEstimate.computeResults() method, receiving a ResultsVO in return; sends a RESULTS_AVAILABLE notification with the ResultsVO as payload
UIUpdateCommand	Receives the RESULTS_AVAILABLE notification and gets its ResultsVO payload, using it as payload for an UPDATE_RESULTS notification that it sends.
PriceEstimatorMediator	Receives UPDATE_RESULTS notification, uses ResultsVO payload to update fields on resultsCanvas, casting Numbers to Strings in one of three Formatters.