Mervin Evaluation

Old Toolset Comment Protocol

This protocol contains the comments that have been provided to the participants of the case study with the old tool set (EMF Compare/Papyrus/Gerrit). Indented parts are quotes, the comments are listed chronologically from the oldest to the newest.

Event Management Task "Event Cancellation"

Internal Gerrit Id: 26

Contributor - Feb 8, 2017

Uploaded patch set 1.

Reviewer - Feb 8, 2017

Patch Set 1:
The persistence state of the event is important in the 'Update Event Process' diagram, so please include at which point the cancelled event is persisted in the database.

Reviewer - Feb 8, 2017

Patch Set 1:

> The persistence state of the event is important in the 'Update Event Process' diagram, so please include at which point the cancelled event is persisted in the database.

... database after its cancel state has been set.

Reviewer - Feb 8, 2017

Patch Set 1:

(diagram 'Event States') Actually an event might be also cancelled while it is performing, not only before it started.

Reviewer - Feb 8, 2017

Patch Set 1: Code-Review-1

This patch set has some issues in the state and activity diagram and therefore needs to be revised.

Contributor - Feb 8, 2017

Uploaded patch set 2.

Reviewer - Feb 8, 2017

Patch Set 1:

(diagram 'Order Tickets') I missed it before, but the task also affects the ticket ordering process. It makes no sense to order tickets for an cancelled event. So show an cancellation information and exit the activity if the event has been cancelled.

Contributor - Feb 8, 2017

Patch Set 2:

> (diagram 'Order Tickets') I missed it before, but the task also affects the ticket ordering process. It makes no sense to order tickets for an cancelled event. So show an cancellation information and exit the activity if the event has been cancelled.

I thought this was more or less obvious, but I will add it.

Reviewer - Feb 8, 2017

Patch Set 2:

(diagram 'Event States') Looks good to me

Reviewer - Feb 8, 2017

Patch Set 2: Code-Review-1

I missed an issue in the first patch set, fix all issues and it will be fine then.

Contributor - Feb 8, 2017

Uploaded patch set 3.

Event Management Task "Event Subscription"

Internal Gerrit Id: 29

Contributor - Feb 8, 2017

Uploaded patch set 1.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Class Diagram') I would not add another association between Person and Event, actually we could re-use the Ticket class for this. Just add a property that marks it as a 'Notification ticket' and everything is fine.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Update Event Process') This seems to be an odd place to notify the subscribers of changes. Every time the user changes one of the properties in the form without submitting it, a notification is sent to all subscribers. Besides that, it also means that notifications are sent right after the event location or date is confirmed, although the new location or date is not yet stored in the database (if the guard of the object flow resolves to true in this case). I would guess most of our customers will not be happy with that behavior. So I suggest moving the notification after the save event action.

Warehouse Task "Damaged Pallets"

Internal Gerrit Id: 27

Contributor - Feb 8, 2017

Uploaded patch set 1.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Class Diagram') Usually only some of the product units on a pallet get damaged, so also store the number of damaged products of the pallets.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Pallet Loading') It is currently not clear what really happens in "Document Damaged Product", Are they persisted in the database once the damage have been documented? Please make this a little bit clearer.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Pallet States') Pallets are considered as damaged if at least one product unit of the pallet is damaged in some way. This does not necessarily mean that it cannot be stored, unloaded or in transit. Actually some customers want to proceed as usual even if some product units are damaged. So simply introducing an additional damaged state is not the best option here.

Reviewer - Feb 8, 2017

Patch Set 1: Code-Review-1
This patch set has some issues in most of the diagrams and needs to be revised.

Contributor - Feb 8, 2017

Uploaded patch set 2.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Class Diagram') Perfect, now it is ok.

Reviewer - Feb 8, 2017

Patch Set 1:
I forgot to mention that it would make more sense that the Inform Owner action (diagram 'Pallet Loading') also get the damaged pallets as input. They are actually the reason why we have to contact the owners of the pallets.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Pallet States') We had some cases where the customer allowed us to remove the damaged product units and alter the product quantity accordingly. In this case the pallets are not longer in the damaged state, so also include this case here.

Reviewer - Feb 8, 2017

Patch Set 1:
There are still some issues in the state diagram and the activity diagram. Fix all open issues and it will be fine then.

Contributor - Feb 8, 2017

Patch Set 2:
(diagram 'Pallet States') We had some cases where the customer allowed us to remove the damaged product units and alter the product quantity accordingly. In this case the pallets are not longer in the damaged state, so also include this case here.
You are aware that the model will not keep track of such corrections?

Reviewer - Feb 8, 2017

Patch Set 2:
> (diagram 'Pallet States') We had some cases where the customer allowed us to remove the damaged product units and alter the product quantity accordingly. In this case the pallets are not longer in the damaged state, so also include this case here.
> You are aware that the model will not keep track of such corrections?

Yes. We also have to keep track of damages in a separate (legacy) system for our insurance if it is really necessary. This task is focused at establishing owner notification in our processes and documenting damages that remain until the goods are delivered to the recipient.

Reviewer - Feb 8, 2017

Patch Set 2: Code-Review-1

Contributor - Feb 8, 2017

Uploaded patch set 3.

Warehouse Task "Notifications"

Internal Gerrit Id: 30

Contributor - Feb 8, 2017

Uploaded patch set 1.

Reviewer - Feb 8, 2017

Patch Set 1:
Well, I do not think that the NotificationContact interface and its realizations are necessary. It suffices to add a string property to the Pallet class. Doing it that way we can store any type of contact information. I would also suggest to store the format information at the beginning of the string so we can use any format we want and no additional format field is required.

Reviewer - Feb 8, 2017

Patch Set 1:

> Well, I do not think that the NotificationContact interface and its realizations are necessary. It suffices to add a string property to the Pallet class. Doing it that way we can store any type of contact information. I would also suggest to store the format information at the beginning of the string so we can use any format we want and no additional format field is required.

(The previous comment refers to the Class Diagram)

Reviewer - Feb 8, 2017

Patch Set 1:

(diagram 'Pallet Unloading') I would not place the notification right after the the Retrieve Pallet Data Action. In case the pallet contains not the expected product units, the subscribers might think everything is ok with the pallet and perform any actions based on this notification. It is also bad if a delivery contains multiple pallets that have the same subscribers - a notification is sent for each pallet and the the subscribers get multiple notifications although it is just one delivery. I would suggest to insert the action right after confirming the received pallets.

Reviewer - Feb 8, 2017

Patch Set 1:
(diagram 'Pallet Loading') Looks good to me.