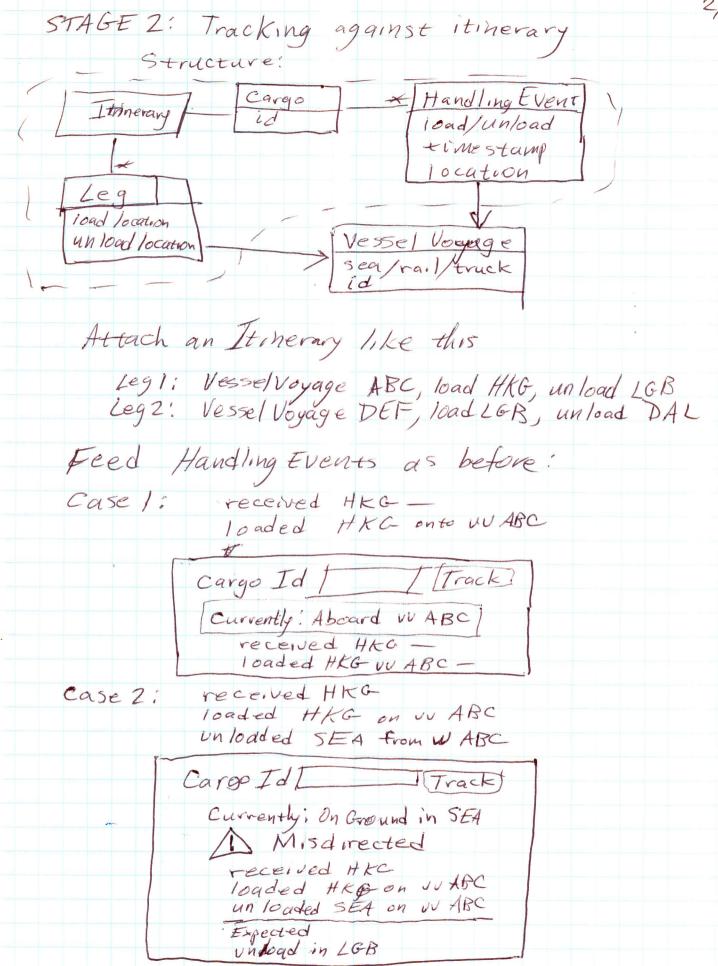
NOTES ON DDD SAMPLE APP - ERIC EVANS, 2007-12-06 STAGE I'. CARGO TRACKING Feed in Domain Events, such as CargoNITE ceived in HKG at 18:15 2007-10-5 CargoXYZ loaded on Vessel younge ABC in HKG at timestamp unloaded from in LGB at timestamp loaded on vessel joyage DEF in LGB unloaded from " in DAL at timestump Except there would be at least 2 cargos Whose events are being fed to the system, and time-stamps can be slightly out of order, (because of Lies simulated latency or operational delays in entering data.) Some steps might be missing. Structure would be something like this! * Handling Event Vessel Voyage load/unload sea/vail/truck time stamp boundary location So, the first version of the app could receive such events and have a single report -user enters can -user enters cargoid * exclicks Cargo 1d/XYZ Track!) Then this (Currently: A board UV ABC) appears Received in 146 at loaded on VV ABCat — This part would demonstrate: - Domain Events - Assynch external data feed (with transation from other model) - Ul reflecting model in non-trivial way - O-R mapping of entity + domain events - Architectural layers (VI, App, domain) + Technology stack. - Aggregate (simple)



STAGE 2 b: Notification

Trigger a notification when:

- Cargo is unloaded at destination - Cargo is misdirected (when misdirection is detected)

STAGE 2c: Advance Notification

Trigger a not fication:
- 24 hours before cargo arrives at destination.

For this, we need a Vesselvoyage itiherary.

Voyage Itinevary

Vegage Stop 10 cation estimated time of arrival estimated time of departure

This Stage will Show:

- Complex Value Objects (eg Itmerary)

 Aggregate states derved from multiple objects leganding
 (àg "misdirected" + "mext expected")

 Exage Interpreted

 System/App actions in response to domain state (STAGE 2B)

 9 Tricky system/domain state combinations (STAGE 2C)

Oh! And an important part of this:

- O-R mapping of complex value objects.

STATES COURTS INVOLUE

