

## Bruegge 99, Analysis, Chapter 5

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Considering the following use case, which could be use case in the STARS Inspection Team:

<i>Use Case Name</i>	Generate Discrepancy
<i>Participating Actors</i>	Inspector
<i>Entry Condition</i>	1. The inspector notices a defect and activates the "Generate Discrepancy" function of his wearable computer.
<i>Flow of Events</i>	2. STARS presents the inspector with his Discrepancy form. 3. The inspector fills out this form by dictating to his unit. The form includes fields such as his name (prefilled), the plane's tail number (prefilled), and the type of defect. 4. The inspector may optionally activate the "Generate Sticky" use case, to associate a visible location with this discrepancy.
<i>Exit Condition</i>	5. When the inspector is done dictating, he speaks a code word, "finished", and the discrepancy and sticky are logged to his machine.
<i>Special Requirements</i>	The inspector can cancel the discrepancy while dictating by instructing his wearable to "cancel".

1. Apply Abbott's heuristics to the flow of events to identify object model components . Identify at least 4 different parts of speech. (3 points)

2. Sketch the sequence diagram for the participating objects in the use case. If necessary, use the space on the other side (3 points).