***1. Left inside main tire almost needs replacement.***

***(S) Almost replaced left inside main tire***

***2. Something loose in cockpit.***

***(S) Something tightened in cockpit.***

***3. Dead bugs on windshield.***

***(S) Live bugs on order.***

***4. Aircraft handles funny.***

***(S) Aircraft warned to straighten up, "fly right," and be serious.***

***5. Target Radar hums.***

***(S) Reprogrammed Target Radar with the songs***

***Example #1***

*"The product shall provide status messages at regular intervals not less than every 60 seconds."*

This requirement is incomplete:

what are the status messages and how are they supposed to be displayed to the user?

The requirement contains several ambiguities. What part of "the product" are we talking about?

Is the interval between status messages really supposed to be at least 60 seconds, so showing a new message every 10 years is okay?

Perhaps the intent is to have no more than 60 seconds elapse between messages; would 1 millisecond be too short?

The word "every" just confuses the issue. As a result of these problems, the requirement is not verifiable

**Example #2:**

*"The product shall switch between displaying and hiding non-printing characters instantaneously."* Computers cannot do anything instantaneously, so this requirement is not feasible.

It is incomplete because it does not state the conditions that trigger the state switch.

Is the software making the change on its own under some conditions, or does the user take some action to stimulate the change?

Also, what is the scope of the display change within the document: selected text, the entire document, or something else?

There is an ambiguity problem, too. Are "non-printing" characters the same as hidden text, or are they attribute tags or control characters of some kind?

As a result of these problems this requirement cannot be verified.

**Example #3:**

*"The HTML Parser shall produce an HTML markup error report which allows quick resolution of errors when used by HTML novices."*

The word "quick" is ambiguous. The lack of definition of what goes into the error report is a sign of incompleteness. I’m not sure how you would verify this requirement. Find someone who calls herself an HTML novice and see if she can resolve errors quickly enough using the report?

**Example #4:**

*"Charge numbers should be validated on-line against the master corporate charge number list, if possible."*

I give up, what does "if possible" mean? If it’s technically feasible? If the master charge number list can be accessed on line? Avoid imprecise words like "should." The customer either needs this functionality or he doesn’t. I have seen some requirements specifications in which subtle distinctions are drawn among keywords like "shall", "will", and "should" as a way to indicate priority. I prefer to stick with "shall" as a clear statement of what is intended by the requirement and to explicitly specify the priorities. Here is an improved version of this requirement: "The system shall validate the charge number entered against the on-line master corporate charge number list. If the charge number is not found on the list, an error message shall be displayed and the order shall not be accepted."

# ATM Machine

* I am allowed to withdraw Rs 50K rupees and slot has all notes of Rs 100.
* I logged in and do not want to perform any operations, my card is in and cancel button is not working!
* I changed my password on one ATM and want to withdraw money from another ATM using new password
* Transactions approved, while dispensing money power fails/ machine hangs

# Online Rail Reservation System

* Ticked booked, payment made, but could not print the ticket, no separate ticket printing option
* To cancel the ticket go to reservation booth
* Without having profile account I want to book ticket

City bus transport system

Public Malls security system

Airport check-in facility system