

# RECORD

REquirements  
COLlection Reuse and  
DOcumentation

Alvin Kou

A little common problem

**Buggysoft**



**Will Bates**

But make sure that  
it crashes, and  
asks the user  
to buy an upgrade

Uh, sure thing.

**You**

One Week Later...

**Buggysoft**



**Will Bates**

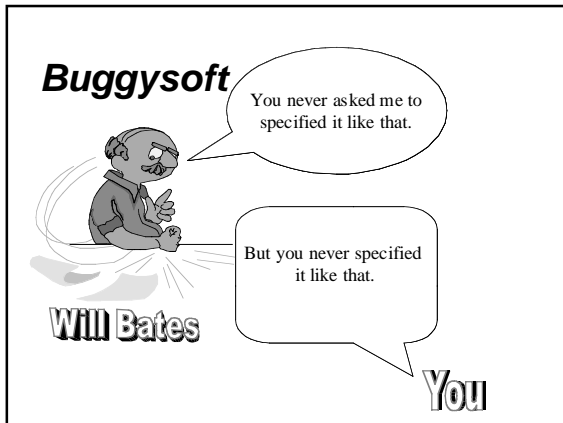
Great! I'll let you know if  
there is problems with it.

Here is the program  
you wanted:

Problems98

**You**

An hour later...



**How can this problem have been prevented?**

If Will Bates had been very clear in specifying what he had wanted in step by step detail, this problem could have been all avoided.

If we had ask exactly how Will Bates wants the program to behave in step by step detail, the problem could have been avoided.

**What do we need?**

**Better Requirements Elicitation Techniques**

**(Requirements Engineering)**


**Solution?**

**RECORD**

**RECORD**

- Allows end-user(client) to participate in the software development process
- Clients can create detailed step by step use cases
- The use cases can be published into HTML format
- Developers can easily access the use cases, and apply it to developing the software.
- Clients can also specify specific objects and functions, and create object models from it. (Should be done by developers)

**RECORD**



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Prototype available for free download  
 (Need **BIVBX11.DLL**)

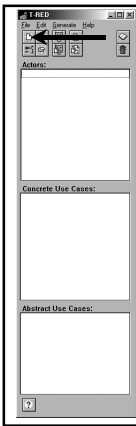
Runs on Win32 operating systems

Still contains bugs

# Example

# TAP

This Ain't Pine

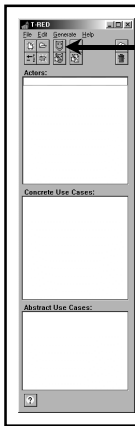


Double click on executable to open up RECORD

Click on new project button

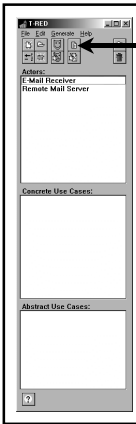
Enter the name of the project.

Click on OK



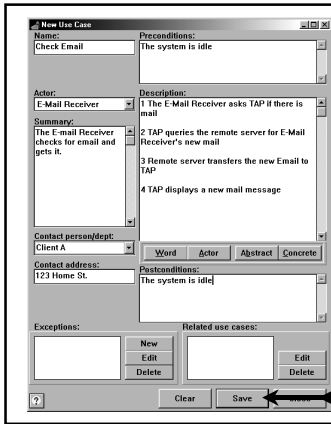
First:  
Create actors  
Click on New Actor

Enter Name  
Enter Description  
Click Add



Add additional actors  
Now create a use case  
Click on New Use Case

Enter use case name  
Enter preconditions  
Enter Summary  
Enter Contact information  
Enter Description



Enter post-conditions  
Enter Exceptions & related use case. (not needed here)  
Click on Save  
Click on Close

The screenshot shows the RECORD software interface. On the left, there is a sidebar with sections for 'Add additional use cases', 'Concrete Use Cases' (listing 'Check Email' and 'Sending Email'), and 'Abstract Use Cases'. The main window is titled 'Use case Sending Email - Microsoft Internet Explorer' and contains the following text:

**Create HTML**

Client A

**Phone:**  
System is idle

**Preconditions**

**Description**

- 1 The Email sender writes a message on TAP, and clicks on send.
- 2 TAP then talks to the Remote Server A, and sends the message to it.
- 3 The Remote Server A looks at the message, and sends it to mail server B.

**Postconditions**

System is idle. Match

*Record*

Buttons for 'Done' and 'My Computer' are visible at the bottom.

Click on  
Links to  
View Use  
Cases and  
Actors

Create  
Dictionary  
and Object  
Model (if  
desired)

We are Done

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## References

- RECORD Homepage  
<http://www.cs.umu.se/~jubo/RECORD.html>

# QUESTIONS?