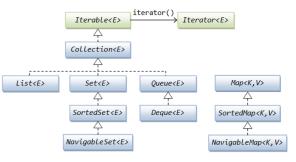
More Sophisticated Behaviour

Technical Support System V3.0



Produced Dr. Siobhán Drohan by: Mr. Colm Dunphy Mr. Diarmuid O'Connor Dr. Frank Walsh

Java Collections Framework:





Waterford Institute *of* Technology

Department of Computing and Mathematics http://www.wit.ie/

Topic List

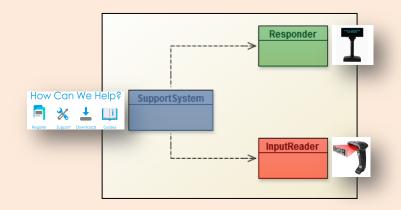
1.

Recap: Technical Support System V2

- 2. Technical Support System V3
 - Overview
 - 3 classes:
 - Responder
 - InputReader
 - SupportSystem

3. Class Development

- Responder class
 - Generating a related response
 - ArrayList
 - Map and HashMap
- InputReader class
 - Tokenizing Strings
 - Set and HashSet
- Responder class
 - Finishing the class
- SupportSystem class
 - A small change.



Recap: Technical Support System V2

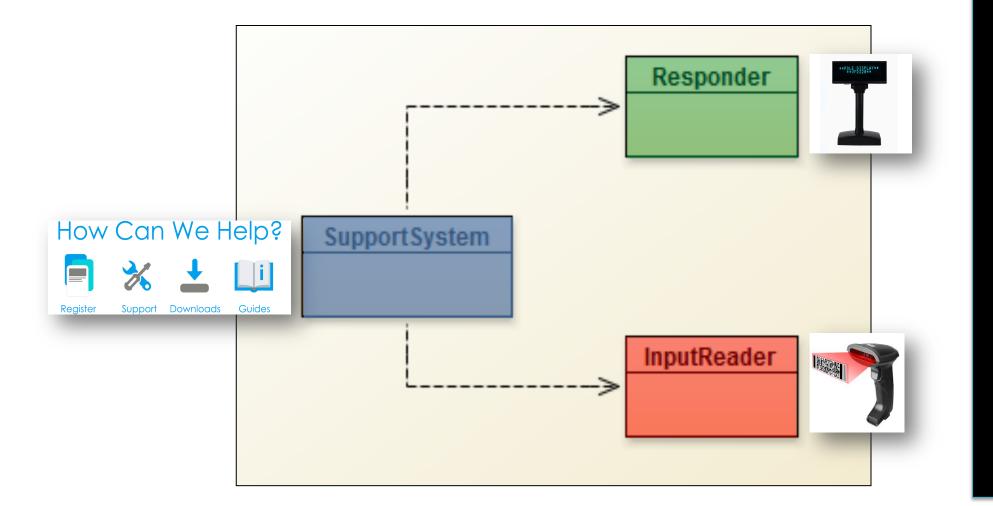


- A console based, textual dialog system.
- In this version, the system provides a <u>random</u> response from a list of pre-defined responses e.g.:
 - "That sounds interesting. Tell me more..."
 - "I need a bit more information on that."
 - "Have you checked that you do not have a dll conflict?"
 - "That is explained in the manual. Have you read the manual?"
 - "That's not a bug, it's a feature!"
 - "Could you elaborate on that?"
 - etc.

Technical Support System V2

```
Welcome to the DodgySoft Technical Support System.
Please tell us about your problem. We will assist you
with any problem you might have. Please type 'bye'
to exit our system.
> my computer is broken
No other customer has ever complained about this before.
What is your system configuration?
> windows
That sounds odd. Could you describe that problem in more detail?
> it won't boot up
That sounds odd. Could you describe that problem in more detail?
> I get the blue screen of death
I need a bit more information on that.
> it's blue
That sounds interesting. Tell me more...
> really blue
That's not a bug, it's a feature!
```

Class Diagram V2



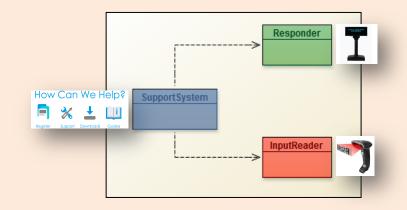
No change at **CLASS** level. Responder updated internally to give random

responses

Topic List

2.

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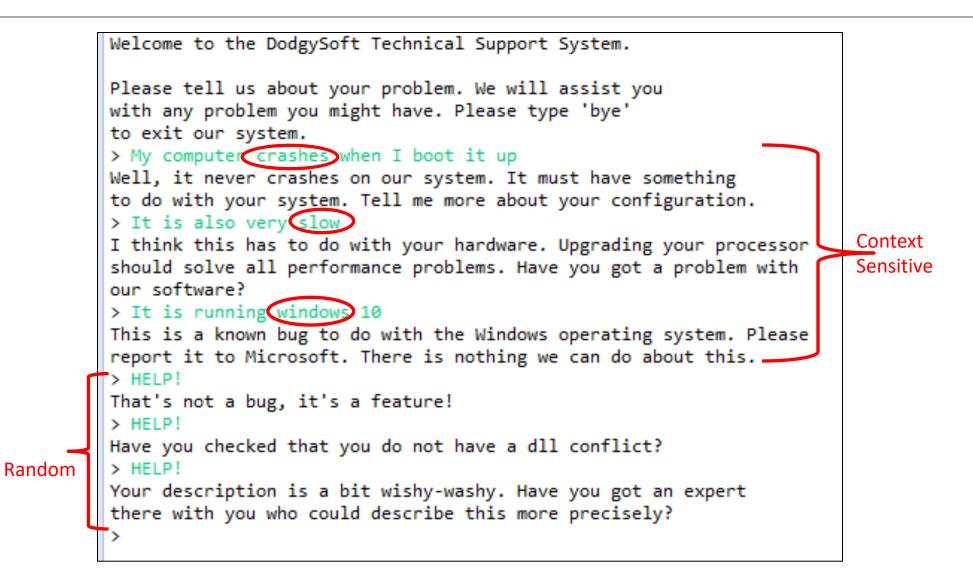


• A console based, textual dialog system.

- Based on the user input,
 - the system provides a context-sensitive, generated response from a list of pre-defined responses.
 - If the system cannot find a suitable generated response, it returns a random one.

Technical Support System V3





Any Questions?

