

Interview Questionnaire

Framework for Summarization and Error Detection of In-Vehicle Network Traces

Date: 07.10.24

Interviewee: [REDACTED]

Interviewer: Simon Hirner

Current State of Practice

1. What is your current workflow or procedure for analyzing trace files attached to bug tickets?

Manual inspection with local trace analysis tool (Carmen)

2. Are there any challenges or limitations in your current trace analysis workflow that you feel could be improved?

needs experience and knowledge

Trace Analysis Tasks

Task 1: First button press does not trigger any response

Task 2: IPB does not respond

Task 3: With the summary, I ~~can~~ can directly focus on the problematic events

Task 4: Highlighted error is helpful

Perceived Usefulness Questions (PU)

3. Using the trace analysis framework would improve my performance in doing my job.

LIKELY

UNLIKELY

		X				
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4. Using the trace analysis framework at work would improve my productivity.

LIKELY

UNLIKELY

	X					
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5. I would find the trace analysis framework useful in my job.

LIKELY

UNLIKELY

	X					
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Perceived Ease of Use Questions (PEU)

6. Learning to operate the trace analysis framework would be easy for me.

LIKELY

UNLIKELY

		✓				
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7. I would find it easy to get the trace analysis framework to do what I want it to do.

LIKELY

UNLIKELY

		✓				
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8. My interaction with the trace analysis framework would be clear and understandable.

LIKELY

UNLIKELY

	✓					
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Behavioral Intention to use (BI)

9. I presently intend to use the trace analysis framework regularly at work.

LIKELY

UNLIKELY

	✓					
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General Feedback

10. What are your overall impressions and thoughts on the trace analysis framework?

Clear summaries and error hints

No risk (ignore summary, if not helpful)

11. What additional features or improvements would enhance the trace analysis framework?

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