



# IT Project Management

Lecture 2-1 – Requirements

Quiz

Uwe Gühl

# Disclaimer

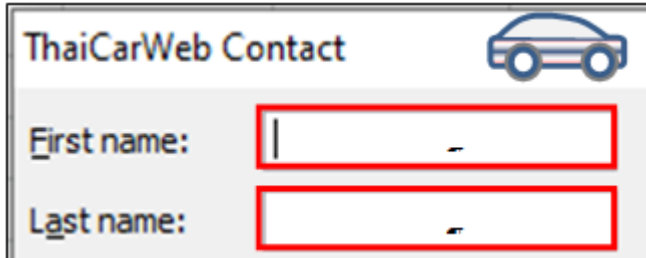
Some of the questions presented in this quiz are based on sample examinations provided by

- Free PMP® Practice Exam Questions, available at <https://www.project-management-prepcast.com/pmp-practice-exam-questions-sample-test>
- Sample Exam Certified Project Management Associate, IPMA Level D®, available at <https://www.ipma-usa.org/cert-sample-exams>
- The PRINCE2 ® Foundation Examination Sample Paper, available at <https://www.axelos.com/certifications>
- IREB (CPRE Foundation Level, Practice examination), available at <https://www.ireb.org/en/downloads/tag:foundation-level>
- ISTQB (Certified Tester Foundation Level Sample Examination), available at <https://www.istqb.org/downloads/>

# 1. Review findings

Following requirement could be found in a specification:

- The ThaiCarWeb Contact page contains mandatory fields “First name” and “Last name” that can contain 100 characters each
- After the customer pressed the Submit button, ThaiCarWeb transfers the data to the ThaiWeb database into table TCWEB.



The screenshot shows a web form titled "ThaiCarWeb Contact" with a car icon. It contains two input fields: "First name:" and "Last name:". Both fields are outlined with a red border, indicating they are mandatory. The "First name" field has a small cursor at the beginning, and the "Last name" field has a small cursor at the end.

```
TCWEB_CON_FIRSTNAME, VARCHAR(50)
TCWEB_CON_MIDDLENAME, VARCHAR(50)
TCWEB_CON_LASTNAME, VARCHAR(50)
```

TCWEB table

What is the MOST IMPORTANT review finding?

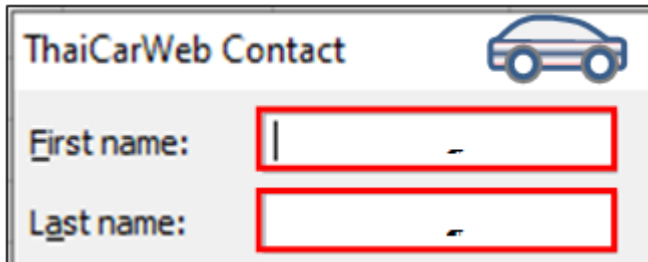
- a) Contradiction: ThaiCarWeb and ThaiWeb database
- b) No reference for TCWEB\_CON\_MIDDLENAME in Contact page
- c) Contradiction: 100 characters in Contact page for „First name“ and „Last name“ each, but VARCHAR(50) in table TCWEB for related entries
- d) Submit button not visible in ThaiCarWeb Contact page screenshot



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# 2. Requirements Identification

What of the following are requirements to a system to be realized?

1. *The contractor shall process a change request within 6 days.*
2. *The response time must not be more than 5 seconds in 95 % of the cases.*
3. *For configuration management, the SVN tool has to be used.*
4. *The integration test reports have to be delivered weekly.*
5. *At any time, the system shall grant a throughput of 100 transactions per second.*

- a) 1 and 4
- b) 1, 3, and 5
- c) 2 and 5
- d) 2, 3, and 4



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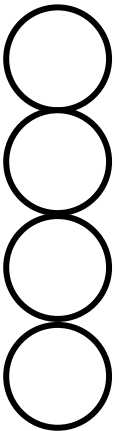
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# 3. Documenting Requirements

Which of the following types of documentation is NOT suited to document requirements?

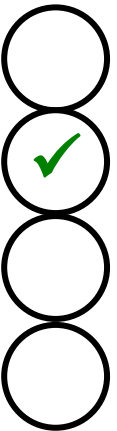
- a) Use case diagram
- b) Risk list
- c) User story
- d) Requirements list



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# 4. Managing Requirements

Which of the following statements BEST characterize the relation between a requirements engineer and a tester?

- a) The requirements engineer provides input for the testers work. ☐
- b) The requirements engineer's results are managed by the tester. ☐
- c) The tester supervises the requirements engineer's work. ☐
- d) There is no relation between the requirements engineer's work and the tester. ☐

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# 5. Managing Requirements

A requirements document should be designed in such a way that it is particularly well suited for the people who will work with the document in further phases of the development process. Which statement is TRUE?

- a) For the testers, it must be possible to realize the requirements. ☐
- b) For the developers, it must be possible to change the requirements easily. ☐
- c) For the project manager, the requirements have to be prioritized. ☐
- d) For the maintenance staff, it must be possible to prioritize the requirements. ☐

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# 6. Documenting Requirements

Which of the following statements on the choice of notations for the documentation of functional requirements apply?

- a) UML diagrams have to be applied in projects with object-oriented development. ☐
- b) Only important stakeholders should be able to read the notation used. ☐
- c) To ensure optimal communication, a notation should be used that is aligned to the type of requirement. ☐
- d) A graphical UML notation should be preferred. ☐

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# 7. Review of Requirements

A requirements document concerning a contact module contains:

(1) “The ThaiCarWeb Contact page and every related page of the contact module contain the “ThaiCar” logo.”

(2) “The error window must contain the “ThaiCar” logo.”

Which statement is MOST helpful when doing a review?

- a) Requirement 2 is redundant, makes it more difficult to maintain the requirements document. ☐
- b) Requirement 1 is inaccurate, makes it difficult to develop the application. ☐
- c) Requirement 2 does not follow the KISS principle, it should be designed as simple as possible. ☐
- d) Both requirements should be expressed in UML notation. ☐

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