

AU™ Capturing Agile Requirements by Example (CARE)

Sample exam – 10 Questions

Released Version

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Agile United



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Purpose of this document

This document contains 10 sample exam questions for AU Capturing Agile Requirements by Example (CARE) in the English language.

The sample questions, answer sets and associated justifications in this document have been created by a team of subject matter experts and experienced question writers with the aim of assisting people who are planning to take the AU Capturing Agile Requirements by Example (CARE) examination.

None of these questions are used in the official AU Capturing Agile Requirements by Example (CARE) examination, but they are written to the same level of difficulty as the official certification exam and considered to be a sampling, as there are 40 questions in the real exam.

Instructions

The question-and-answer sets are organized in the following way:

- Chapters
- Question - including any scenario followed by the question stem
- Answer Set with explanations

General Information on the sample exam paper:

- Number of Questions: 10
- Number of points: 14 (1-3 per question)
- Please only choose one answer per question

List of Chapters

- Chapter 1 - Agile Requirements
- Chapter 2 - Behaviour Driven Development (BDD) - The Basics
- Chapter 3 - Impact Mapping
- Chapter 4 - Event Storming
- Chapter 5 - Specification by Example - The Basics
- Chapter 6 - Example Mapping
- Chapter 7 - Specification with Examples
- Chapter 8 - (Acceptance) Test Driven Development (introduction to Test Automation using BDD)
- Chapter 9 - How to start with CARE?

Question 1*(correct answer is worth 1 point)*

Which **ONE** of the following options **BEST DESCRIBES** the role of the Three Amigo's within BDD?

- (a) The three Amigo's includes someone from testing, someone from development, and someone from the business. These are the only important stakeholders within BDD.
- (b) The Three Amigo's together determine how the systems should be developed.
- (c) Within BDD all stakeholders are required, however because you cannot have all stakeholders involved all the time it is often wise to work with 'just' the Three Amigo's, meaning one representative of each relevant stakeholder group.
- (d) The number three in the Three Amigo's is just a guideline. You should in fact include all relevant stakeholders from all relevant disciplines.

Question 2*(correct answer is worth 2 point)*

Which of the following statements (I -III) about and Impact Map are **TRUE**?

- I. An Impact Map is created by the product owner (PO).
 - II. An Impact Map is a mind map that visualizes scope and underlying assumptions.
 - III. An Impact Map is about answering the questions: Who, What, Where and When?
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- (a) Statements I and II are true, and statement III is false.
 - (b) Statements I and III are true, and statement II is false.
 - (c) Statement I is true, and statements II and III are false.
 - (d) Statement II is true, and statements I and III are false.

Question 3*(correct answer is worth 2 points)*

Considering the following options (A – D):

- A. Why?
- B. What?
- C. How?
- D. Who?

As well as the following building blocks (1 – 4):

- 1. Impacts
- 2. Deliverables
- 3. Actors
- 4. Goal

Which **ONE** of the following options lists the **CORRECT PAIRS** in their **CORRECT ORDER** according to Impact Mapping?

- (a) A4 – B2 – D3 – C1
- (b) A4 – D3 – C1 – B2
- (c) D1 – C3 – B4 – A2
- (d) D1 – B4 – A2 – C3

Question 4*(correct answer is worth 1 point)*

Which **ONE** of the following statements **BEST DESCRIBES** what red sticky notes are used for in an Event Storm?

- (a) Red sticky notes are not used in an Event Storm.
- (b) Red sticky notes should only be used when running out of time during an Event Storming meeting to mark open ends that are to be completed in a next meeting.
- (c) Red sticky notes are used whenever there's a question, an issue, an assumption, or a possible detour from the standard route.
- (d) Red sticky notes are used for the events in the Event Storm.

Question 5*(correct answer is worth 1 point)*

What **ONE** of the following options **BEST DESCRIBES** the benefits of using Specification by Example?

- (a) The goal of Specification by Example is to build the right software, this can be achieved by creating a shared understanding of the requirements using a single source of truth, which can eventually evolve into living documentation.
- (b) Specification by Example will result in living documentation, which helps create a shared understanding of the acceptance tests.
- (c) Specification by Example supports automating validation as well as enabling frequent validation.
- (d) The goal of Specification by Example is to create a single source of truth which is essential for implementing Behaviour Driven Development.

Question 6*(correct answer is worth 1 point)*

Which **ONE** of the following statements is the **BEST** strategy to follow during Example Mapping?

- (a) One will start with the examples (bottom-up discovery), and for completeness, as a second step one can continue with the rules (top-down discovery).
- (b) One will start with the rules (top-down discovery), and for completeness, as a second step one can continue with the examples (bottom-up discovery).
- (c) In all cases you can always start with the rules (top-down discovery) or with examples (bottom-up discovery).
- (d) Depending on situation and context you start with the rules (top-down discovery) or start with the examples (bottom-up discovery).

Question 7*(correct answer is worth 1 point)*

Which **ONE** of the following options **BEST DESCRIBES** materials needed for collaboratively writing Specification with Examples?

- (a) Any text editor can be used.
- (b) A tool that understands Gherkin language.
- (c) Any text editor, a whiteboard, a flipchart, or any other writable surface.
- (d) Colored index cards or rectangular sticky notes.

Question 8*(correct answer is worth 1 point)*

Which **ONE** of the following statements about (A)TDD is **TRUE**?

- (a) Testers are the only stakeholders who are typically involved in (A)TDD.
- (b) Developers are the only stakeholders who are typically involved in (A)TDD.
- (c) Testers and Developers are the only stakeholders who are typically involved in (A)TDD.
- (d) All the stakeholders associated with the project may be involved in (A)TDD.

Question 9*(correct answer is worth 3 points)*

You are part of the team designing the “AU Delivery App” that instructs drivers where to pick-up and deliver orders of food. Your team is working on the functionality where the system decides which available driver is nearest to the restaurant with a pending pick-up task. Your colleague has written the following scenario:

Scenario: AU Delivery App decides which delivery driver is nearest when a restaurant has a food order ready for delivery

Given available delivery driver “Pete” is 2 miles away from restaurant “The Golden Arches”

And available delivery driver “Michael” is 3 miles away from restaurant “The Golden Arches”

When restaurant “The Golden Arches” indicates a new food order is ready for delivery

Then the AU delivery app assigns a new pick-up task to “Pete” at restaurant “The Golden Arches”

Which of the following would be a suitable test scenario to add to the feature?

- (a) **Scenario:** AU Delivery app decides which delivery driver is nearest when a restaurant has a food order ready for delivery
Given available delivery driver “Pete” is 2 miles away from restaurant “The Golden Arches”
And available delivery driver “Michael” is 2.01 miles away from restaurant “The Golden Arches”
When restaurant “The Golden Arches” indicates a new food order is ready for delivery
Then the AU delivery app assigns a new pick-up task to “Pete” at restaurant “The Golden Arches”
- (b) **Scenario:** AU Delivery app decides which delivery driver is nearest when a restaurant has a food order ready for delivery
Given available delivery driver “Pete” is 2 miles away from restaurant “The Golden Arches”
And available delivery driver “Michael” is 2 miles away from restaurant “The Golden Arches”
When Restaurant “The Golden Arches” indicates a new food order is ready for delivery
Then the AU delivery app assigns a new pick-up task to “Pete” at restaurant “The Golden Arches”
- (c) **Scenario:** AU Delivery app decides which delivery driver is nearest when a restaurant has a food order ready for delivery
Given available delivery driver “Pete” is 2 miles away from restaurant “The Golden Arches”
And available delivery driver “Michael” is 3 miles away from restaurant “The Golden Arches”
When Restaurant “The Golden Arches” indicates two food orders are ready for delivery
Then the AU delivery app assigns a new pick-up task to “Pete” at restaurant “The Golden Arches”
And the AU delivery app assigns a new pick-up task to “Michael” at restaurant “The Golden Arches”
- (d) All of the above test scenarios are equally valid (A, B, and C).

Question 10

(correct answer is worth 1 point)

Which **ONE** of the following options **BEST DESCRIBES** what should be done before starting with CARE within your organization?

- (a) A pilot project with some complexity should be run, but it should not be a project that is extremely critical to the organization.
- (b) Acceptance Test Driven Development should be in place before starting with CARE.
- (c) The entire organization should first be familiar with CARE concepts via training and coaching.
- (d) All requirements shall be clear upfront before CARE can be implemented to augment the process.

Answer Key:

Question 1

- a) Incorrect – While the Three Amigos often consists of one tester, one developer, and one person from the business, BDD requires all stakeholders to be involved. The Three Amigos are used to streamline certain processes and meetings and consist of one representative of each relevant stakeholder group.
- b) Incorrect – In BDD, when considering the behaviour of the system - the “what” is important. The “how” will be determined by the development team when a feature is being developed.
- c) Correct – While all stakeholders are required it is indeed not very practical to have all stakeholders involved with every working method or process. Instead, the Three Amigos can be used which are representatives of the relevant stakeholder groups.
- d) Incorrect – We do need input from all disciplines involved; however, we do not want more than just one representative per discipline, not all of its stakeholders.

Question 2

- a) Incorrect – See explanation for “d” being correct.
- b) Incorrect – See explanation for “d” being correct.
- c) Incorrect – See explanation for “d” being correct.
- d) Correct – An Impact Map is a mind map that visualizes scope and underlying assumptions. It's not created by the Product Owner alone as it's a collaborative approach and it's not about the questions: Who?, What?, Where? and When?, but about the questions Why?, Who?, How? and What?

Question 3

- a) Incorrect – These are the correct pairs, but not in the correct order according to Impact Mapping.
- b) Correct – These are the correct pair in the correct order.
- c) Incorrect – These are neither the correct pairs nor are they in the correct order.
- d) Incorrect – These are neither the correct pairs nor are they in the correct order.

Question 4

- a) Incorrect – This is simply not correct.
- b) Incorrect – The red “Not now!”-sticky notes are an essential part throughout any Event Storming meeting as they make sure the focus is kept on things that matter and not on things that can be explored later.
- c) Correct – Since the model can become very big you shouldn't strive for completeness. One way to prevent this from happening is using the red sticky notes to describe detours from the standard route you may not yet want to explore. The red sticky notes are for questions, issues, assumptions, or anything else you do not want to spend time on now – also known as “Not now!”-sticky notes.
- d) Incorrect – The red sticky notes are 'Not now!'-sticky notes. Events are represented by orange sticky notes.

Question 5

- a) Correct.
- b) Incorrect – The goal of Specification by Example is not to create a shared understanding of acceptance tests, even though this might be a possible side-effect.
- c) Incorrect – The benefits of Specification by Example are not limited to supporting frequent and automated validation.
- d) Incorrect – Creating a single source of truth is not the goal, it's one of the possible means to achieve the goal of building the right software.

Question 6

- a) Incorrect – Depending on situation and context you can start with the rules (top-down discovery) or start with the examples (bottom-up discovery).
- b) Incorrect – Depending on situation and context you can start with the rules (top-down discovery) or start with the examples (bottom-up discovery).
- c) Incorrect – You can either start with rules or examples, but it does matter what you choose as this is dependent on situation and context.
- d) Correct – Both options are possible dependent on the situation and context.

Question 7

- a) Incorrect – Basically this is correct, but it's not the best answer, because any writable surface is suitable during collaboratively writing the scenarios.
- b) Incorrect – Gherkin is not required while collaboratively writing the scenario's, it can be helpful when starting to work with the scenario's and make them into acceptance tests.
- c) Correct – Any text editor could be used. When creating the scenarios in a group session; however, it is also an option to use a whiteboard or a flipchart to write them down. When starting to work with the scenarios, it is advisable to use some tooling that understands the Gherkin language.
- d) Incorrect – This is not the best answer as the physical red index cards or sticky notes are very suitable for Example Mapping or Event Storming, but not so much for writing down entire scenarios.

Question 8

- a) Incorrect – Testers are typically involved, but they are not the only ones involved.
- b) Incorrect – Developers are typically involved, but they are not the only ones involved.
- c) Incorrect – Testers and developers are typically involved, but they are not the only ones involved.
- d) Correct – All stakeholders may be involved.

Question 9

- a) Correct – As a tester a boundary value analysis is interesting and this scenario tests exactly that. Given the specification this scenario has a valid outcome.
- b) Incorrect – While a test with two identical values can be very interesting, at this point it is unknown what the result of the test would be, therefore the test cannot state which driver would be picked. This test would not be reliable (TRIMS): it might succeed, it might fail but you will not know why.

- c) Incorrect – It was not specified if this is the desired behavior. It could for instance be better to have one driver pick up both orders? Since we do not know this, this is not a valid test to add. It could become a new specification.
- d) Incorrect – Option “A” is definitely the best option.

Question 10

- a) Correct – This is a solid plan to be recommended.
- b) Incorrect – ATDD does not need to be in place first.
- c) Incorrect – The entire organization does not need to be trained ahead of time.
- d) Incorrect – All requirements do not need to be known prior to using CARE.