

Module 1: Practice Quiz (Ungraded)

1.Question 1

"As a client, I want user information within the product to be secure, so that it adheres to the corporate privacy policy."

Which type of requirement does this user story represent? (Check two that apply)

>>> Business rule

Correct = A business rule constrains the business, and thus how a product within it must function appropriately.

Business requirement

User requirement

Development constraint

External interface

Physical setting

Functional requirement

>>> Non-functional requirement

Correct = Non-functional requirements serve as a description of how well a product must perform.

2.Question 2

"As a user, I want the product to be waterproof, so that it can be used underwater."

Which type of requirement does this user story represent?

Business rule

Business requirement

User requirement

Development constraint

External interface

>>> Physical setting

Functional requirement

Non-functional requirement

Correct = Physical setting requirements describe how the product should be designed around its physical environment.

3.Question 3

"As a CEO, I want the product to generate \$43,000 in revenue in the first year, so that we avoid debt."

Which type of requirement does this user story represent?

Business rules

>>> Business requirement

User requirement

Development constraint

External interface

Physical setting

Functional requirement

Non-functional requirement

Correct = A business requirement outlines a purpose or the “why” of a product.

4.Question 4

"As user, I want the product to work reliably every time, so that I can trust the output information."

Which type of requirement does this user story represent?

Business rule

Business requirement

User requirement

Development constraint

External interface

Physical setting

Functional requirement

>>> Non-functional requirement

Correct = Non-functional requirements serve as a description of how well a product must perform.

5.Question 5

"As a user, I want to be able to upload a picture of myself to my profile, so that other users know what I look like."

Which type of requirement does this user story represent? (Check two that apply)

Business rule

Business requirement

>>> User requirement

Correct = User requirements outline exactly what tasks end-users can do with the product.

Development constraint

External interface

Physical setting

>>> Functional requirement

Correct = Functional requirements represent a behaviour that the product should do or support. They can be expressed with inputs and outputs, and a description of the behaviour itself.

Non-functional requirement

6.Question 6

"As a developer, I want the product to be created using HTML5 and CSS, so that it will work on all browsers."

Which type of requirement does this user story represent?

Business rule

Business requirement

User requirement

>>> Development constraint

External interface

Physical setting
Functional requirement
Non-functional requirement

Correct = Development constraints outline the implementation technology, conventions, documentation, and the process for the development team.

7.Question 7

"As a user, I want to enter my personal information, so that the product can create my account."

Which type of requirement does this user story represent? (Check two that apply)

Business rule

Business requirement

>>> User requirement

Correct = User requirements outline exactly what tasks end-users can do with the product.

Development constraint

External interface

Physical setting

>>> Functional requirement

Correct = Functional requirements represent a behaviour that the product should do or support. They can be expressed with inputs and outputs, and a description of the behaviour itself.

Non-functional requirement

8.Question 8

"As a developer, I want the product to send info to a cloud-based database, so that it can store user data."

Which type of requirement does this user story represent?

Business rule

Business requirement

User requirement

Development constraint

>>> External interface

Physical setting

Functional requirement

Non-functional requirement

Correct = External interfaces simply outline where the product is situated. This is not in terms of physical location, but in terms of where the product sits logically among other entities outside the product.

9.Question 9

"As a user, I want the product to update the location every second, so that I can track movement."

Which type of non-functional requirement does this user story represent?

Accuracy

Dependability

Security
Usability
Efficiency
>>> Performance
Maintainability

Correct = Performance requirements outline how a product is supposed to perform, or a performance constraint. A performance requirement might be something like your system needing to maintain a certain response time or be able to handle a certain number of requests in a period of time.

10.Question 10

"As a user, I want the product to establish a secure network connection, so that my private information is protected."

Which type of non-functional requirement does this user story represent?

Accuracy
Dependability
>>> Security
Usability
Efficiency
Performance
Maintainability

Correct = Security requirements protect the information used in the product.

11.Question 11

"As a client, I want the ability for additional features to be easily added later, so that I can improve the product."

Which type of non-functional requirement does this user story represent?

Accuracy
Dependability
Security
Usability
Efficiency
Performance
>>> Maintainability

Correct = Maintainability requirements outline how software will be able to flexibly extend to uses beyond the original purpose.

12.Question 12

"As a user, I want to receive location coordinates to within 5 metres, so that I know exactly where to go."

Which type of non-functional requirement does this user story represent?

>>> Accuracy

Dependability
Security
Usability
Efficiency
Performance
Maintainability

Correct = Accuracy requirements ensure that the product functions correctly and precisely.

13.Question 13

"As a user, I want few buttons and controls, so that the product is easy to navigate."

Which type of non-functional requirement does this user story represent?

Accuracy
Dependability
Security
>>> Usability
Efficiency
Performance
Maintainability

Correct = Usability requirements how easy a product should be to use.

14.Question 14

"As a user I want the product to work even with limited network connection, so that I can use the product anywhere."

Which type of non-functional requirement does this user story represent?

Accuracy
>>> Dependability
Security
Usability
Efficiency
Performance
Maintainability

Correct = Dependability requirements ensure that the product works no matter the circumstances.

15.Question 15

"As a user, I want the product to use minimal cellular data, so that I do not waste data when I can't connect to Wi-Fi."

Which type of non-functional requirement does this user story represent?

Accuracy
Dependability
Security

Usability

>>> Efficiency

Performance

Maintainability

Correct = Efficiency requirements outline how a product minimally uses resources.

Module 1 Assessment (Graded)

1.Question 1

Which of the statements below are relevant to the activity of eliciting requirements? (Choose three that apply)

2.Question 2

The activity of analyzing requirements involves checking to ensure requirements are:

3.Question 3

Why is there an activity to manage requirements? Choose two that are correct.

4.Question 4

Which are examples of the business rule type of software requirement? Choose two that are correct.

5.Question 5

From the course, which type of requirement describes a task that an end user can do with the software product?

6.Question 6

Which types of non-functional requirements are involved in the following statement? "The mobile application must measure the user's location 10 times per second, for a period of at least one hour."

7.Question 7

What does the product vision include? Choose two that are correct.

8.Question 8

What are acceptable ways to defend against scope creep? Choose two that are correct.

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Module 2 Assessment (Graded)

1.Question 1

End users are ____ users, since they use the product. Their supervisors are ____ users, if they use the product only occasionally or indirectly. Instances of both types of users are ____, since they are affected by the product.

2.Question 2

When forming the requirements for a software product to monitor a person's physical health, what background characteristics of users should be considered? Choose two that are correct.

3.Question 3

Ways to elicit requirements from end-users include _____. Choose three that are correct.

4.Question 4

Requirements elicitation is an activity with stakeholders involving interactions that are _____. Choose two that are correct.

5.Question 5

A use case description defines a task supported by the software product, including the task goal, participating ____ involved in the task, the ____ that must be met once the task is completed normally, and the main steps of the task in the _____.

6.Question 6

Within a use case description, what is the difference between a precondition and a trigger?

7.Question 7

A wireframe used during requirements elicitation is a good way to specify _____.

8.Question 8

Movie-style storyboards can use fictional characters with specific _____ to depict the different types of users, and their goals, behaviors, and characteristics, in the markets to be addressed by the software product.

Peer-graded Assignment: Module 3: User Stories Assignment (Graded)

Review criteria

The peer review process gives you the opportunity to see a number of projects from your peers and be inspired by their approach. It also give you an opportunity to evaluate the assignments against the grading rubric and provide your MOOC-mates some suggestions on how to make their assignments even better. The median of the scores that you and other reviewers give the assignment will become the final score.

There are many different ways that you can word user stories. Please keep that in mind when you are reviewing the assignments of others. Please note that all feedback should be provided in English.

You will be asked to provide feedback to your peers in the following areas:

User Stories Provided (10 points total):

Were there 10 different user stories from the scenario provided? (10 points)

Format of User Stories (10 points total):

Are the user stories in the prescribed format "As a _____, I want to _____, so that _____"? (10 points)

User Stories Feature Appropriate User Types

Are the user stories written from the correct user type perspective? (i.e. "As a developer, I want..." or "As an account holder", I want...") (10 points)

Improvements:

Are there any requirements from the scenario that the user omitted?

Do you have any suggestions for how the learner could improve their user stories?

>> Each developer can have an account

>> Developers can browse questions without an account

>> They can also up-vote and down-vote answers without an account

>> A developer's account can be updated to have a profile picture.

>> The profile page shows all the questions that the developer has asked or responded to

>> ask questions to the community

xxx anyone from the community can respond to the question

>> Developers can comment on answers as well

>> Developers will be able to browse questions and search for questions based on keywords

>> Developers can up-vote if they agree with the answer

>> down-vote if they disagree

>> sort answers to the question based on their validity--with the answers that receive the highest number of up-votes appearing at the top and those with the lowest appearing at the bottom.

Reading: User Story Assignment Proposed Solution (Locked)

I had some learners request a "**correct**" solution to this assignment. Please note that this is only one approach, and not the only solution.

As an account holder, I want to post questions, so that I can receive answers from other developers and experts in the community.

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Module 3 Assessment (Graded)

1.Question 1

Which of the following Agile principles are applicable when exploring stakeholder needs? Choose all that are correct.

2.Question 2

In which traditional, standard form does a user story express the who, what, and why of a requirement?

3.Question 3

Bill Wake devised the mnemonic INVEST to remember what makes a good user story. The "I" stands for "independent" and the "N" stands for "negotiable". What do the "V", "E", "S", and "T" stand for?

4.Question 4

Consider the following user story:

As a reader, I want to advance to the next article in my reading list by clicking a green button labeled "Next".

Besides missing the reason why, what else is poor about this requirement? Choose two that are correct.

5.Question 5

To verify a user story as completed correctly, an acceptance criterion is a ____ and an acceptance test is a ____.

6.Question 6

When employing the approach of writing user stories on index cards, what is commonly written on the back of the user story card?

7.Question 7

Prior to planning, who determines the effort estimate to complete a user story on the product backlog?

8.Question 8

A story map takes the user stories on the product backlog and organizes them into columns that denote ____ and rows that denote ____.

Ambiguous Requirements Quiz

1.Question 1

Consider the user story, "As a player, I want the machine to make a noise when I gain 100 points, so that I have an auditory signal when I'm doing well."

Why is this user story considered ambiguous?

2.Question 2

Consider the user story, "As a player, I want the machine to make a noise when I gain 100 points, so that I have an auditory signal when I'm doing well."

Suggest a better, less-ambiguous way of writing this user story.

3.Question 3

Consider the user story, "As a multiplayer, I want both players to have a controller, so that we can play together."

Why is this user story considered ambiguous?

4.Question 4

Consider the user story, "As a player, I want to see the name of the player with the highest score everyday, so that I know who has the high score."

Suggest a better, less-ambiguous way of writing this user story.

5.Question 5

Consider the user story, "As a player, I want the targets to start moving after I press Start, so that I can start hitting them."

What is the ambiguous word in this user story, and which category of ambiguous words does it belong to?

6.Question 6

Consider the user story, "As a player, I want the targets to start moving after I press Start, so that I can start hitting them."

Suggest a better, less-ambiguous way of writing this user story.

7.Question 7

Consider the user story, "As a player, I want the screen to always display a target, so that there's always something to hit."

Why is this user story considered ambiguous?

8.Question 8

Consider the user story, "As a player, I want the screen to always display a target, so that there's always something to hit."

Suggest a better, less-ambiguous way of writing this user story.

9.Question 9

Consider the user story, "As a multiplayer, I want to beat them when I'm playing in versus mode, so that I win the game."

Why is this user story considered ambiguous? (Select 2 answers)

☐ It does not specify how you beat them in order to win the game.

☒ It does not specify who "them" is in the user story.

Correct = Correct answer. "Them" is a pronoun. The use of pronouns can lead to ambiguity.

☐ It does not specify the difference between versus and teamwork mode.

This should not be selected

This would probably be distinguished in another user story or in the product glossary and would not need to be specified in this user story.

☒ It does not specify what the game is.

10.Question 10

Consider the user story, "As a multiplayer, I want to beat them when I'm playing in versus mode, so that I win the game."

Suggest a better, less-ambiguous way of writing this user story.

Module 4: Assessment (Graded)

1.Question 1

Considering the requirements criteria, a correct user story means ____.

2.Question 2

An unambiguous user story would be ____, assuming also the terminology and meaning are understood.

3.Question 3

A ____ user story means that whether it was satisfied can be tested.

4.Question 4

A traceable user story mainly means that ____.

5.Question 5

While eliciting requirements with a potential photo editor user, you hear they want to be able to edit the last photo. What should you do next?

6.Question 6

An ambiguous requirement is best resolved by:

7.Question 7

Identify the unambiguous user stories for a blog site. Choose two that are correct.

As an author, ____, so that I can correct an entered post.

8.Question 8

Identify the problem with the following user story for a restaurant menu app. Choose two that are correct.

As a customer, I want to choose a dietary restriction including vegetarian and gluten-free, so that I avoid certain ingredients in my dishes.