

# User Stories Deep Dive

# User Story

A user story is an informal, general explanation of a software feature written from the perspective of the end user. Its purpose is to articulate how a software feature will provide value to the customer.

**“As a [persona], I [want to], [so that].”**

*"As a blog reader, I want to sort comments from newest to oldest so that I can see the latest discussions."*

# INVEST principle

- The INVEST principle is a guideline used in Agile software development and project management to create well-formed user stories.
- INVEST stands for:
  - Independent
  - Negotiable
  - Valuable
  - Estimable
  - Small
  - Testable

# Independent

*"As an online shopper, I want to filter search results by price range so that I can find products within my budget."*

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This story can be developed and delivered without depending on other stories, such as adding new products or modifying the search engine.

# Negotiable

*"As a user, I want to be able to upload my profile picture so that I can personalize my profile."*

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The specifics of how the profile picture is uploaded (e.g., drag and drop, file selection dialog) are not set in stone and can be discussed and agreed upon during development.

# Valuable

*As a frequent flyer, I want to save multiple addresses in my profile so that I can book flights quicker*



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This story directly adds value to the frequent flyer by simplifying the booking process, clearly showing the benefit to the end-user.

# Estimable

*"As a member, I want to reset my password through a link sent to my email so that I can recover access to my account."*

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This is a common feature with known steps (generate link, send email, reset password), allowing the team to estimate the effort based on similar tasks.

# Small

*"As a blog reader, I want to sort comments from newest to oldest so that I can see the latest discussions."*

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This story is focused on a single, straightforward functionality that can be completed in a short amount of time, fitting well within an iteration.

# Testable

*"As an admin, I want to generate monthly sales reports so that I can analyze trends."*

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The story's outcome is clear—generate sales reports. It implies criteria (monthly, sales data, trend analysis) that can be used to develop tests to verify the story's implementation.