



Today Lesson(w1-c1)

- Computational Thinking
- Introduction to Command Line Interface
- Introduction to Git

Agile Development



What is Agile Development

Agile development is an iterative and incremental approach to software development that emphasizes flexibility, collaboration, and customer satisfaction.

Phases of Agile Development





Epic

- An Epic is a high-level user requirement or a large piece of work that typically can't be completed in a single Agile iteration (e.g., a sprint). Epics are often used to represent major features.
- Example: Imagine a project for developing an e-commerce website. An Epic in this context could be "Implement Checkout."



User Story

- User Stories are short, simple descriptions of a feature or piece of functionality from an end-user's perspective.
- Example: A User Story related to the "Implement Checkout" Epic could be written as follows:
- As a customer, I want to be able to save multiple shipping addresses so that I can easily select the appropriate address during checkout.
- This User Story focuses on a specific user need within the broader Epic and represents a small, deliverable piece of functionality.



Acceptance Criteria

- Acceptance Criteria are detailed conditions or requirements that a User Story must meet to be considered complete and done. They provide specific, testable expectations for the functionality described in the User Story.
- The Acceptance Criteria for the User Story might look like this:
 - Given that I am logged in as a registered customer,
 - When I navigate to the checkout page,
 - Then I should see an option to select a saved shipping address.
 - And I should be able to add, edit, or delete saved addresses.
 - When I proceed with the checkout process,
 - Then I should be able to select one of my saved addresses as the shipping destination.



Task

- Tasks are the smallest units of work that make up a User Story. They are specific, actionable items that need to be completed by team members to implement the functionality described in the User Story.
- For the same User Story, here are some example Tasks that team members might work on:
 - Task 1: Create a database table to store customer shipping addresses.
 - Task 2: Implement a user interface for customers to add/edit/delete addresses.
 - Task 3: Integrate the address selection feature into the checkout process.
 - Task 4: Write unit tests to ensure the functionality works as expected.
 - Task 5: Update documentation to reflect the changes.