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I have used 3 testing techniques:

- Equivalence Partitioning:
  - **Purpose**: Divide the input into equivalence classes where the system should behave similarly. You only need to test one value from each partition.
  - **Application**: we are testing valid and invalid inputs for task titles.
    - Example:
      - Valid partition: Title with a length between 10 and 30 and not empty.
      - Invalid partition: Title length less than 10 or greater than 30 or empty.
    - **Test Cases**:
      - Empty string for title (test_addition_empty_title).
      - Valid title (test_addition_valid_title_length).

- Boundary Testing
  - **Purpose**: Boundary testing focuses on testing the edges of input ranges.
  - **Application**: In your test file, you have already applied this technique to test the length of the task title.
    - **Test Cases**:
      - test_addition_valid_title_length_10 (length = 10)
      - test_addition_valid_title_length_30 (length = 30)
      - test_addition_valid_title_length (length = 25)
      - test_addition_invalid_title_length (length = 9)
      - test_addition_invalid_title_length1(length = 30)

- State Transition Testing
  - **Purpose**: Test how the application transitions between different states.
  - **Application**: You can test transitions of task states, such as "Incompleted " to "Completed"
    - Example:
      - Complete the task (test_completion), and assert the status has changed to "Completed".