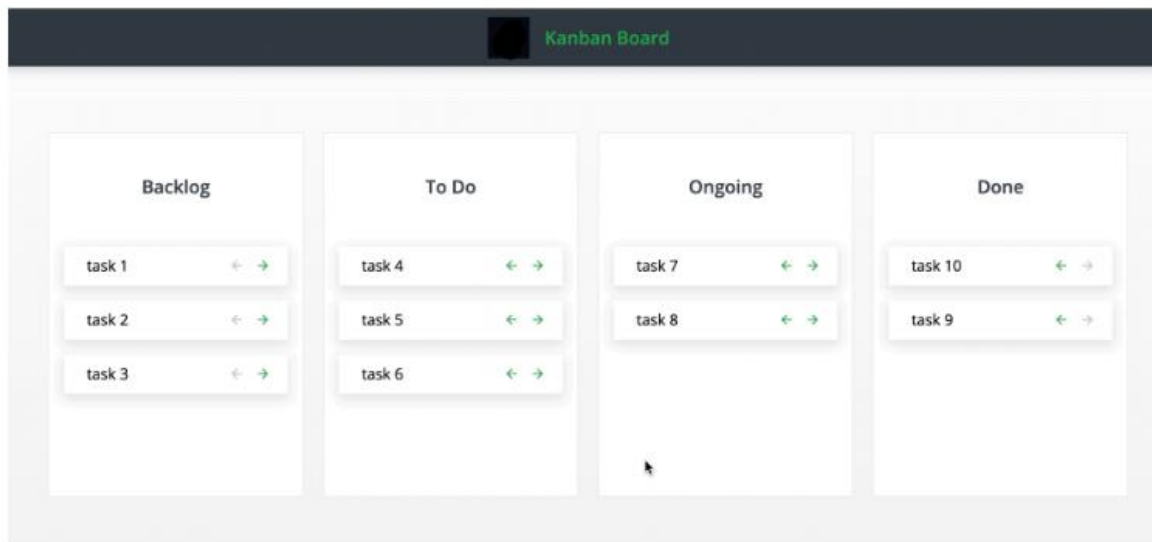Kanban is a popular workflow used in task management, project management, issue tracking, and other similar purposes. The workflow is usually visualized using a Kanban Board.

Create a Kanban Board component with tasks, where each task consists of a name only, as shown below:

The component must have the following functionalities:
- The component board contains 4 stages of tasks in the sequence 'Backlog', 'To Do', 'Ongoing', and 'Done'.
- An array of tasks is passed as a prop to the component.

- In every individual stage, the tasks are rendered as a list <ul>, where each task is a single list item <li> that displays the name of the task.
- Each task list item has 2 icon buttons on the right:
  1. Back button: This moves the task to the previous stage in the sequence, if any. This button is disabled if the task is in the first stage.
  2. Forward button: This moves the task to the next stage in the sequence, if any. This button is disabled if the task is in the last stage.
- Each task has 2 properties:
  - name: The name of task. This is the unique identification for every task. [STRING]
  - stage: The stage of the task. [NUMBER] (0 represents the 'Backlog' stage, 1 represents the 'To Do' stage, 2 represents the 'Ongoing' stage, and 3 represents the 'Done' stage)

he following data-testid attributes are required in the component for the tests to pass:
- The <ul> for the 'Backlog' stage should have the data-testid attribute 'stage-0'.
- The <ul> for the 'To Do' stage should have the data-testid attribute 'stage-1'.
- The <ul> for the 'Ongoing' stage should have the data-testid attribute 'stage-2'.
- The <ul> for the 'Done' stage should have the data-testid attribute 'stage-3'.
- Every <li> task should follow these guidelines:
  1. The <span> containing the name should have the data-testid attribute 'TASK_NAME-name', where TASK_NAME is the name of the task joined by a hyphen symbol. For example, for the task named 'task 0', it should be 'task-0-name'. For the task named 'abc', it should be 'abc-name'.
  2. The back button should have the data-testid attribute 'TASK_NAME-back', where TASK_NAME is the name of the task joined by a hyphen symbol. For example, for the task named 'task 0', it should be 'task-0-back'. For the task named 'abc', it should be 'abc-back'.
  3. The forward button should have the data-testid attribute 'TASK_NAME-forward', where TASK_NAME is the name of the task joined by a hyphen symbol. For example, for the task named 'task 0', it should be 'task-0-forward'. For the task named 'abc', it should be 'abc-forward'.
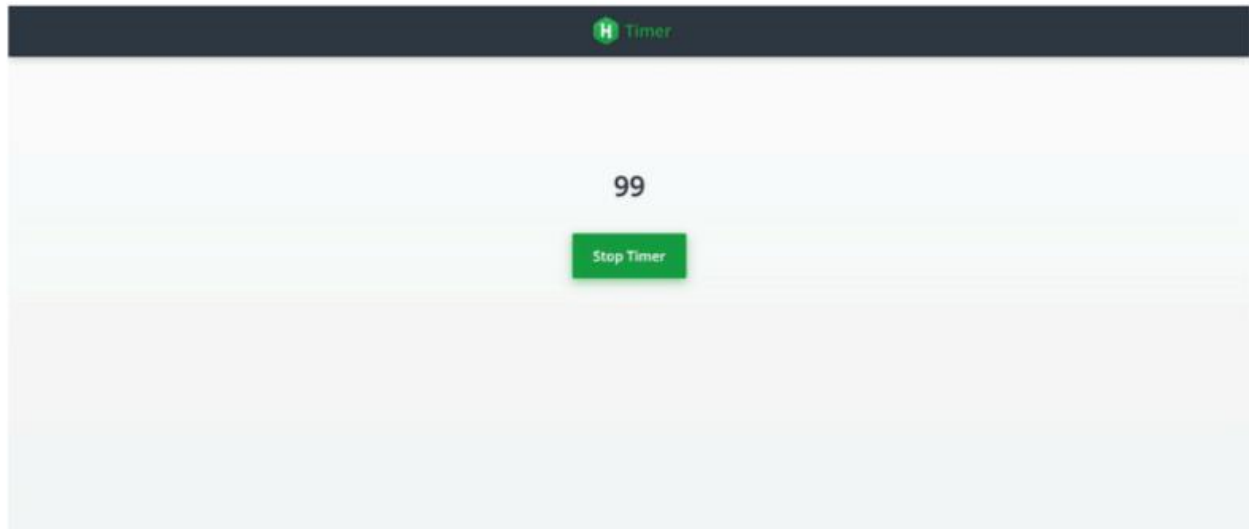
Please note that components have the above data-testid attributes for test cases and certain classes and ids for rendering purposes. It is advised not to change

them.

Question - 2
React: Timer Component

Create a timer component like the one shown.

The component has the following functionalities:

The timer value decreases by 1 every second. For example, if the initial value is 100, after 1 second it becomes 99, etc.

The value starts to decrease when the component is mounted.

The initial value of the timer is set by a prop, initial.

Once the counter reaches 0, it should stop.

The 'Stop Timer' button stops the timer at its current value.

The following data-testid attributes are required in the component for the tests to pass:

The following data-testid attributes are required in the component for the tests to pass:

Component	Attribute
Title	app-title
Timer value	timer-value
Stop timer button	stop-button

Please note that components have these *data-testid* attributes for test cases and certain classes and ids for rendering purposes. They should not be changed.