

Test Plan

1. Component Name: AlgorithmButton

Test Name	Description	Operation	Expected Outcome
should contain title and code			title and code should be shown on the button
should call onClick		Click AlogrithmButton	onClick will be called once
should match Snapshot	Compare new snapshot with old one		Snapshots are the same

2. Component Name: AnimationControl

Test Name	Description	Operation	Expected Outcome
should contain 5 buttons	AnimationControl component should have 5 buttons: reset, go backward, play/pause, go forward and the speed choosing menu.		
should call functions	When click buttons, corresponding functions should be called.	Mock click event.	every onClick function will be called once.
should match AnimationControl snapshot	Compare new snapshot with old one.		Snapshots are the same.

3. Component Name: AnimationSlider

Test Name	Description	Operation	Expected Outcome
should match Snapshot	Compare new snapshot with old one.		Snapshots are the same.

4. Component Name: AnimationWithCode

Test Name	Description	Operation	Expected Outcome
should call AnimationSlider			
should call AnimationControl			
should match Snapshot	Compare new snapshot with old one.		Snapshots are the same.

5. Component Name: CorrectnessHelp

Test Name	Description	Operation	Expected Outcome
should contain button	test whether titles and buttons are rendered properly		Contain 1 button
should match <u>CorrectnessHelp</u> Snapshot	Compare new snapshot with old one.		Snapshots are the same.

6. Component Name: ExplanationBox

Test Name	Description	Operation	Expected Outcome
should match Snapshot	Compare new snapshot with old one.		Snapshots are the same.

7. Component Name: FirstInBackdrop

Test Name	Description	Operation	Expected Outcome
should match <u>FirstInBackdrop</u> Snapshot	Compare new snapshot with old one.		Snapshots are the same.

8. Component Name: InputBar

Test Name	Description	Operation	Expected Outcome
should contain buttons			Contain one TextField and two buttons
should call functions	When click buttons, corresponding functions should be called	mock click	functions are called once
should match Snapshot	Compare new snapshot with old one.		Snapshots are the same.

9. Component Name: InputTable

Test Name	Description	Operation	Expected Outcome
should contain title & button	test whether titles and buttons are rendered properly		Contain Legal Input, Illegal Input, Input and Result; Contain 4 buttons
should match InputTable Snapshot	Compare new snapshot with old one.		Snapshots are the same.

10. Component Name: Module

Test Name	Description	Operation	Expected Outcome
should call two modules	two sub components shall be called properly	mock two modules and render this module	the two modules are called

11. Component Name: ModuleButton

Test Name	Description	Operation	Expected Outcome
should contain bubblesort	This component should be able to display title properly	try find the demo text	demo text found
should call onclick	should be able to response to click event and call the onclick function	Mock click event.	onClick function will be called once.
should match snapshot	Compare new snapshot with old one.		Snapshots are the same.

12. Component Name: ModuleProgress

Test Name	Description	Operation	Expected Outcome
should match Snapshot	Compare new snapshot with old one.		Snapshots are the same.

13. Component Name: Implementation

Test No.	Date	Pass/Fail	Failed test(s)	Reason/Description	Modified version
1	2.12	Pass	All	Test meets the plan	version 1

14. Component Name: ProcedureOperation

Test No.	Date	Pass/Fail	Failed test(s)	Reason/Description	Modified version
1	2.6	Pass	All	Test meets the plan	version 1

15. Component Name: SpeedMenu

Test Name	Description	Operation	Expected Outcome
should have buttons	SpeedMenu component should have a button and speed options (menuitems).		
should call handleClick and close		Click SpeedMenu Click a speed option	handleClick and handleClose will be called once.
should match SpeedMenu snapshot	Compare new snapshot with old one.		Snapshots are the same.

16. Component Name: SwitchAnimation

Test Name	Description	Operation	Expected Outcome
should call AnimationSlider			
should call AnimationControl			
should match Snapshot	Compare new snapshot with old one.		Snapshots are the same.

17. Component Name: TickCross

Test Name	Description	Operation	Expected Outcome
should match TickCross snapshot	Compare new snapshot with old one.		Snapshots are the same.

18. Component Name: TipFrame

Test Name	Description	Operation	Expected Outcome
should contain message			Message should be shown
should contain button			Confirm button should be included
should match Snapshot	Compare new snapshot with old one		Snapshots are the same