Chart Unit Test

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Test 1: Access requirement page
- Attempt to access page at localhost:3000/main/requirement

Result 1
1. User should be directed to a page with a cmps chart loaded

Test 2: Zoom to fit
- Press Zoom to fit

Result 2
1. Chart should zoom out to fit all nodes

Test 3: View last selected course
- Select any course from the CMPS chart
- Press View Last Selected Course

Result 3
1. If api call successful, the respective course information should be displayed in a dialog
2. If api call failed, an empty dialog will pop up

Test 4: Switch to GE chart
- Press Switch To GE Chart

Result 4
1. If successful, the CMPS model chart should be replaced with a GE model chart
2. If failed, nothing happens. The user stays at the CMPS model chart

Test 5: Switch to CMPS chart
- Press Switch To GE Chart
- Press Switch to CMPS Chart

Result 5
1. If successful, the GE model chart should be replaced with a CMPS model chart
2. If failed, nothing happens. The user stays at the GE model chart

Test 6: Select
- Hold shift, and click and drag an area

Result 6
1. If successful, the selected area should highlight the nodes and connectors

Test 7: Drag chart
- Hold mouse down on the chart and drag

Result 7
1. If successful, the chart should be draggable

Test 8: Unable to drag node
- Hold mouse down on any node and drag it

Result 8
1. If successful, the node should not be draggable.