**Celonis QA Challenge Solution**

1. **Cypress Automation Framework**

**Github Link:**

1. **Component Test Scenarios**

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| **Prerequisite steps** |
| 1. User is logged in 2. User is on Process Diagram page |

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| **Scenarios** | Result |
| Verify that all expected edges are displayed on the diagram. | Pass |
| Verify that first edge title is “Process Start” and should have 100% of orders | Pass |
| Verify that last edge title is “Process end” and should have 100% of orders | Pass |
| Verify that all edges have the correct title | Pass |
| Verify that all the edges have the correct number of orders displayed | Pass |
| Verify every edge link has the correct number of orders displayed | Pass |
| Verify that clicking on the edge displays more information on the right side panel | Pass |
| Verify that edge details on right hand side panel has the following components:   * 1. Title of the edge   2. Correct percentage that matches the number   3. Option to select cases “without this activity”, “Cases starting here” and “Cases ending here”   4. “Cases come from” and “Cases go to activity” | Pass |
| Verify that selecting an activity highlights the link on the graph | Pass |
| Verify that by increasing the Activity, more activities in the process are added in the form of edges in the graph, therefore giving more granular information | Pass |
| Verify that by increasing the Connection, more connections in the process are added in the form of links in the graph, therefore giving more granular information | Pass |
| Verify that the user is able to play the graph animation | Pass |
| Verify that user is able to filter based on the process | Pass |
| Verify that the following types of visualization are available in the graph   1. Case frequency 2. Activity frequency 3. Throughput time (Median) 4. Throughput time (AVG) 5. Throughput time (Trimmed mean) | Pass |
| Verify that the playback animation is able to provide information about the bottlenecks overtime | Pass |
| Verify that animation playback speed can be adjusted | Pass |

**3. Smoke Test Scenarios**

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| **Prerequisite steps** |
| 1. User navigates to Celonis cloud 2. User logs in with correct credentials |

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| **Scenarios** | **Result** |
| Verify that Home page loads without any errors | Pass |
| Verify that home page has all demos listed under workspaces | Pass |
| Verify that home page has all demos listed under analyses section | Pass |
| Verify that top-nav contains the following options:   1. Process Analytics 2. Event Collection 3. Machine Learning 4. Process Automation 5. Business Views 6. Studio | Pass |
| Verify that clicking on Event Collection opens Data Pools page | Pass |
| Verify that clicking on Machine Learning loads the correct page | Pass |
| Verify that clicking on Process Automation loads the correct page | Pass |
| Verify that clicking on Business Views loads the correct page | Pass |
| Verify that clicking on Studio loads the correct page | Pass |
| Verify that clicking on Process Analytics loads the correct page | Pass |
| Verify that selecting a demo card open the process visualisation graph | Pass |
| Verify that click in on the data model button open the data model view | Pass |
| Verify that selecting a demo process displays the process graph | Pass |