Automation assessment

Note: The below required Selenium Webdriver tests to be written in Java language only using an IDE

Question 1. Given the following Login Page

LoginPage.xml

Create the script for a set of tests including the following scenarios:

- Find elements by their id for email, password and login verifying you have opened the correct page
- Find elements by their id for email, password and login sending valid email "xxx" & password "yyy" verifying text "success" successful login
- Find elements by their id for email, password and login sending invalid email "zzz" & valid password "yyy" verifying text "invalid email"
- Find elements by their id for email, password and login sending invalid email "zzz" & password "iii" verifying text "enter valid email"

Feel free to include any additional functional scenarios you consider appropriate.

Question 2. The following page has multiple radio buttons. Create a script to select randomly either Yes or No for each of the questions in the page.

QuestionnariePage.xml

Question 3. Given the following page, select the 5th element from the given list:

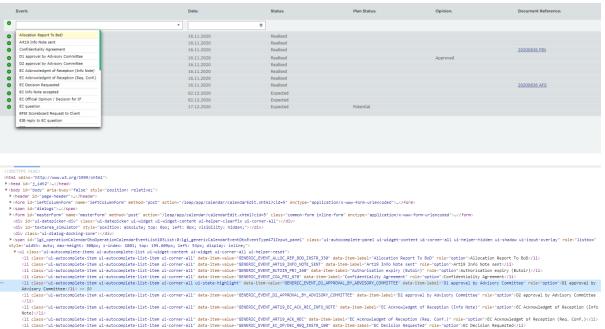| Event:		Date:	Status:	Plan Status:	Opinion:	Document Reference:
Allocation Report To BoD		16.11.2020	Realised			
Art19 Info Note sent		16.11.2020	Realised			
Confidentiality Agreement		16.11.2020	Realised			20200836 PIN
D1 approval by Advisory Committee		16.11.2020	Realised		Approved	
D2 approval by Advisory Committee		16.11.2020	Realised			
EC Acknowledgmt of Reception (Info Note)		16.11.2020	Realised			
EC Acknowledgmt of Reception (Req. Conf.)		16.11.2020	Realised			
EC Decision Requested		16.11.2020	Realised			20200836 AFS
EC Info Note accepted		02.12.2020	Expected			
EC Official Opinion / Decision for IF		02.12.2020	Expected			
EC question		17.12.2020	Expected	Potential		
EFSI Scoreboard Request to Client						
EIB reply to EC question						

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<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head id="j_idt2">…</head>
<body id="body" aria-busy="false" style="position: relative;">
  <header id="page-header">…</header>
  <form id="leftColumnForm" name="leftColumnForm" method="post" action="/leap/app/calendar/calendarEdit.xhtml?cid=5" enctype="application/x-www-form-urlencoded">…</form>
  <span id="dialogs">…</span>
  <form id="masterForm" name="masterForm" method="post" action="/leap/app/calendar/calendarEdit.xhtml?cid=5" class="common-form inline-form" enctype="application/x-www-form-urlencoded">…</form>
  <div id="ui-datepicker-div" class="ui-datepicker ui-widget ui-widget-content ui-helper-clearfix ui-corner-all"></div>
  <div id="textarea_simulator" style="position: absolute; top: 0px; left: 0px; visibility: hidden;"></div>
  <div class="ui-dialog-docking-zone"></div>
  <span id="lgi_operationCalendarDtoOperationCalendarEventList103List:0:lgi_genericCalendarEventDtoEventType471Input_panel" class="ui-autocomplete-panel ui-widget-content ui-corner-all ui-helper-hidden ui-shadow ui-input-overlay" role="listbox" style="width: auto; max-height: 300px; z-index: 1001; top: 195.609px; left: 53px; display: inline;">
    <ul class="ui-autocomplete-items ui-autocomplete-list ui-widget-content ui-widget ui-corner-all ui-helper-reset">
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_ALLOC_REP_BOD_INSTR_330" data-item-label="Allocation Report To BoD" role="option">Allocation Report To BoD</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_ART19_INFO_NOTE_SENT" data-item-label="Art19 Info Note sent" role="option">Art19 Info Note sent</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_BUTOIR_PRJ_260" data-item-label="Authorisation expiry (Butoir)" role="option">Authorisation expiry (Butoir)</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_COA_PRJ_670" data-item-label="Confidentiality Agreement" role="option">Confidentiality Agreement</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all ui-state-highlight" data-item-value="GENERIC_EVENT_D1_APPROVAL_BY_ADVISORY_COMMITTEE" data-item-label="D1 approval by Advisory Committee" role="option">D1 approval by Advisory Committee</li> == $0
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_D2_APPROVAL_BY_ADVISORY_COMMITTEE" data-item-label="D2 approval by Advisory Committee" role="option">D2 approval by Advisory Committee</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_ART19_EC_ACK_REC_INFO_NOTE" data-item-label="EC Acknowledgmt of Reception (Info Note)" role="option">EC Acknowledgmt of Reception (Info Note)</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_ART19_EC_ACK_REC" data-item-label="EC Acknowledgmt of Reception (Req. Conf.)" role="option">EC Acknowledgmt of Reception (Req. Conf.)</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EC_OP/DEC_REQ_INSTR_100" data-item-label="EC Decision Requested" role="option">EC Decision Requested</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EC_CONF_OPI_INSTR_1310" data-item-label="EC Eligibility Conf Opinion" role="option">EC Eligibility Conf Opinion</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EC_ELIG_CONF_INSTR_1300" data-item-label="EC Eligibility Conf Requested" role="option">EC Eligibility Conf Requested</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EC_FIN_CONF_O_INSTR_1320" data-item-label="EC Final Elig Conf Opinion" role="option">EC Final Elig Conf Opinion</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_ART19_INFO_NOTE_ACCEPTED" data-item-label="EC Info Note accepted" role="option">EC Info Note accepted</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EC_OFFICIAL_OPINION_DECISION_FOR_IF" data-item-label="EC Official Opinion / Decision for IF" role="option">EC Official Opinion / Decision for IF</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EC_QUES_INSTR_117" data-item-label="EC question" role="option">EC question</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EIB_REPLY_EC_INSTR_118" data-item-label="EIB reply to EC question" role="option">EIB reply to EC question</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_EIF_SERVICE_REQUESTED_PRJ" data-item-label="EIF service requested" role="option">EIF service requested</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_FIN_LOAN_PROP_INSTR_320" data-item-label="Final Loan Proposal" role="option">Final Loan Proposal</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_GOV_OPIN_REC_INSTR_90" data-item-label="Government Opinion" role="option">Government Opinion</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_GOV_OPIN_REQ_INSTR_80" data-item-label="Government Opinion Request" role="option">Government Opinion Request</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_GOV_PREL_OP_R_INSTR_70" data-item-label="Govt. Prelim Opinion Request" role="option">Govt. Prelim Opinion Request</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_IC_DEC_INSTR_2010" data-item-label="IC Decision" role="option">IC Decision</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_IC_DEC_RESUB" data-item-label="IC Decision on resubmission" role="option">IC Decision on resubmission</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_IC_DEC_REQ_INSTR_2000" data-item-label="IC Decision Requested" role="option">IC Decision Requested</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_IC_DEC_REQ_RESUB" data-item-label="IC Decision Requested resubmission" role="option">IC Decision Requested resubmission</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_A14_MEETING_INSTR_217" data-item-label="IF Committee/Art 14 Meeting" role="option">IF Committee/Art 14 Meeting</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_A14_SUBM_L_INSTR_214" data-item-label="IF Committee/Art 14 Submission" role="option">IF Committee/Art 14 Submission</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_INT-SERV_OPIN_INSTR_120" data-item-label="Inter Service Group opinion" role="option">Inter Service Group opinion</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_ART19_INTER_SERV_GROUP_OP" data-item-label="Inter Service Group opinion (Req. Conf.)" role="option">Inter Service Group opinion (Req. Conf.)</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_ISSUE_MET_PRJ_1115" data-item-label="Issue Meeting" role="option">Issue Meeting</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_MC_SUBM_LIMIT_INSTR_188" data-item-label="MC Submission Deadline" role="option">MC Submission Deadline</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_MISCELLAN_INSTR_1110" data-item-label="Miscellaneous" role="option">Miscellaneous</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_NOTE_BOD_INSTR_250" data-item-label="Note to BoD" role="option">Note to BoD</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_NOTE_TO_FILE_INSTR_255" data-item-label="Note to File" role="option">Note to File</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_NOTE_MC_INSTR_245" data-item-label="Note to MC" role="option">Note to MC</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_OFF_REQUEST_INSTR_300" data-item-label="Official Fin.Req. Received" role="option">Official Fin.Req. Received</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_OPER_CANC_EIB_INSTR_905" data-item-label="Operation Cancelled by EIB" role="option">Operation Cancelled by EIB</li>
      <li class="ui-autocomplete-item ui-autocomplete-list-item ui-corner-all" data-item-value="GENERIC_EVENT_OPER_RESTR_INSTR_930" data-item-label="Operation Restructured" role="option">Operation Restructured</li>
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