

## CI601 Fuctional Test Case

Test Case ID	Test Case Scenario	Pre-Conditions	Test Steps	Test Data if applicable	Expected Results	Actual Results	Pass/Fail
TC_START_001	Make sure the start page loads correctly and displays the disclaimer/informational text	1) User has access to the internet 2) Server application is deployed on is up and running. 3) Web browser is used (e.g chrome, firefox) 4) If website is accessed on a mobile, phone ensure access to a phone	1) Navigate to url (https://ai-guard.vercel.app/) 2) Observe returned page	N/A	1) Start page is returned and returns without any errors 2) Disclaimer text and informational text is visible to user	As expected	Pass
TC_START_002	In the start page, make sure all links work	1) User on Start page 2) Links are available and up to date	1) Identify all available links in start page 2) Click / tap on each link 3) Check user is redirected	N/A	1) Links open to expected sources 2) No broken links 3) Links are clearly visible as links (underlined and blue)	As expected	Pass
TC_START_003	In the start page, make sure start button is visible and when clicked redirects user to first question	1) User on start page 2) Start button visible	1) Click / tap Start button 2) Wait for question 1 to load 3) Check if any error messages or erroneous output is shown	N/A	1) User is routed to question 1 without error	As expected	Pass
TC_Q1_001	Checking if the expected content is shown when in q1 page is loaded	1) User navigated to question 1 page from clicking start in start page 2) Criteria.JSON file available	1) From the application's start/previous page, click start button to go to Q1 2) Wait for Q1 page to load 3) Observe the text on Q1 page (the main question, bullet lists, etc) 4) Check if Go Back button is shown 5) Check if Yes and No buttons at the bottom	N/A	1) Page loads without error 2) Question text is: "Has the patient been prescribed any exogenous glucocorticoids at any dose and any of the following?" 3) Two buttons Yes and No are shown 4) Go back button is shown	As expected	Pass
TC_Q1_002	Check Go back button goes back to previous page	1) User on question 1 page 2) Criteria.JSON file available	1) In Q1 page ensure Go Back button is visible 2) Tap / click on the button 3) Observe if redirected back to previous page( start page)	N/A	1) Go back button is visible 2) When pressed user taken back to previous page / start page	As expected	Pass
TC_Q1_003	Check <b>Yes</b> button goes to end page with sec needed	1) User on question 1 page 2) Criteria.JSON file available	1) In Q1 page ensure Yes button is visible 2) Tap / click on the button 3) Observe if redirected to end page 4) Ensure end page content shows an SEC is required	N/A	1) Yes button is visible 2) When presed, user is taken to the end page 3) On the end page, sec requirement content is shown	As expected	Pass
TC_Q1_004	Check <b>No</b> button goes to routes page and routes page is shown with first visit content shown	1) User on question 1 page 2) Criteria.JSON file available	1) In Q1 page ensure No button is visible 2) Tap / click on the button 3) Observe if redirected to routes page 4) Observe initial content is shown	N/A	1) No button is visible 2) When presed, user is taken to the routes page 3) On the routes page, question should be "Is the patient currently taking any glucocorticoids, or has done in the last 12 months?" 4) 3 buttons should be shown, Yes, No & Go back	As expected	Pass
TC_Routes_001	Check correct content is loaded on first visit to routes page	1) User navigates to routes page via q1 No button click 2) Is user's first time visiting routes page 3) Criteria.JSON file available	1) Navigate to route page from Q1 No button 2) Observe returned content on first visit	N/A	1) On the routes page, question should be "Is the patient currently taking any glucocorticoids, or has done in the last 12 months?" 2) 3 buttons should be shown, Yes, No & Go back	As expected	Pass
TC_Routes_002	Check user taken to end page when No button is clicked and is shown No sec required content	1) User is on routes page 2) User presses the No button from q1 first visit state 3) Criteria.JSON file available	1) Ensure question title is "Is the patient currently taking any glucocorticoids, or has done in the last 12 months?" 2) Tap / click on the No button 3) Observe if redirected to end page with No sec required content	N/A	1) User redirected to end page 2) When user is at end page, the No SEC required content is shown	As expected	Pass

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TC_Routes_003	Check if the page updates to change the question title and show the list of routes if the user has pressed Yes in the initial question state	1) User is on routes page yes 2) User presses the Yes button from q1 first visit state 3) Criteria.JSON file available	1) Ensure question title is "Is the patient currently taking any glucocorticoids, or has done in the last 12 months?" 2) Tap / click on the Yes button 3) Observe content update to show updated question & list of routes	N/A	1) Question title updates to " Please enter the glucocorticoids taken in the order of the routes shown" 2) List of routes shown (Oral, Injection, Inhaled,Nasal,Topical,Rectal & Eye) are shown	As expected	Pass
TC_Routes_004	Check navigation to correct route when user clicks a route	1) User is on routes page 2) User see list of routes	1) Click on one route e.g. Oral 2) Observe next screen 3) Verify that the content has updated to be that of the oral route	N/A	1) The application routes to the oral page 2) Question title changes to "Is the patient taking oral steroids intermittently or has done so in the last year?" 3) 3 buttons yes,no & go back are shown	As expected	Pass
TC_Routes_005	Check that when user completes a route, it is greyed out, users are not able to click on the route,indicator of the route being completed or failed is shown and additionally the refresh and no more routes button are shown	1) User has completed atleast one route 2) The completed route has not resulted in an SEC being needed and thus are back at the routes page	1) Complete a route by fully following the logic flow until a point is reached where you return to the routes page	N/A	1) The competed route e.g. Oral is visually greyed out 2) There is a green checkmark next to the completed route to signify completion 3) The completed is not clickable / interactable 4) A Refresh routes button is added ontop of the routes list 5) A No more routes button is added below the routes list	As expected	Pass
TC_Routes_006	Check that when the refresh routes button is clicked, the routes are reset to the intial state( all routes accessible) and both the refresh routes button and no more routes button are unrendered	1) The user has completed atleast one route 2) Refresh routes button is visible	1) Click the Refresh routes button 2) Observe page update resetting to initial state ( All routes accessible and not greyed out with indicators)	N/A	1) The routes list refreshes, rendering all routes as accessible, removing gray background and route completion indicator 2) Both the Refresh routes button and the No more routes button is unrendered	As expected	Pass
TC_Routes_007	Verify user is taken to the end page when the No More Routes button is clicked & No Sec is needed content is shown	1) The user has completed atleast one route 2) No more routes button is visible	1) Click the no more routes button 2) Observe if redirected to end page 3) Check if No sec content is shown	N/A	1) The user is redirected to end page 2) No SEC required end page is shown	As expected	Pass
TC_Routes_008	Check the Go back button navigates to step / page	1) The user is on the routes page with routes list visible or in the intial question state (TC_Routes_004 or TC_Routes_002 ) 2) The Go back button is visible	1) Click the Go back button 2) Observe which page / step is displayed	N/A	1) If the user is on the showing routes list state, pressing go back takes them back to the showing initial qesiton state 2) If the user is on the intial question state it takes them back to the q1 page	As expected	Pass
TC_Routes_009	Ensure the routes button appears in the header	1) The user has answered yes to "Is the patient currently taking any glucocorticoids, or has done in the last 12 months?" in the routes page	1) in the intial question state, answer yes to the question 2) Observe addition in header to display Routes button	N/A	1) Routes button is shown in the header	As expected	Pass
TC_OraL_001	Verify SEC requirement if user answers <b>Yes</b> to first Oral question and Yes again to following question	1) User has selected the Oral route from routes list 2) User is on Oral route's first page 3) Question is "Is the patient taking oral steroids intermittently or has done so in the last year?"	1) In the first oral page verify question is "Is the patient taking oral steroids intermittently or has done so in the last year?" 2) Press Yes button 3) Verify question updates to "Has the patient had 3 or more courses in total of any of the following for at least seven days within the past 12 months?" & List of oral glucocorticoids + dosage appears 4) Press Yes again 5) Observe redirect to end page with SEC needed content displayed	N/A	1) The second question loads without error after pressing yes to the first question 2) Pressing Yes to second question redirects to end page 3) End page content is that of an SEC is required	As expected	Pass

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Test Case ID	Test Case Scenario	Pre-Conditions	Test Steps	Test Data if applicable	Expected Results	Actual Results	Pass/Fail
TC_Ora_L002	Verify user shown continuous form if answering <b>no</b> to first Oral question	1) User has selected oral route from routes list 2) User is on oral route's first page 3) Question is "Is the patient taking oral steroids intermittently or has done so in the last year?"	1) In the first oral page verify question is "Is the patient taking oral steroids intermittently or has done so in the last year?" 2) Press Yes button 3) Verify question updates to "Has the patient had 3 or more courses in total of any of the following for at least seven days within the past 12 months?" & List of oral glucocorticoids + dosage appears 4) Press Yes again 5) Observe redirect to end page with SEC needed content displayed	N/A	1) The continuous form is loaded without error 2) Pressing no to first oral question loads continuous content 3) The form is not prepopulated with any form of data 4) There is two buttons in continuous form section, go back and submit	As expected	Pass
TC_Ora_L003	Verify that <b>Yes</b> answer on dexamethasone question results in an SEC requirement	1) User is on the oral route 2) User has answered no to question "Has the patient had 3 or more courses in total of any of the following for at least seven days within the past 12 months?" 3) User is on the Dexamethasone page with the question being "Has the patient had (or is due to have) intermittent courses of dexamethasone for either of the following?"	1) Verify question is "Has the patient had (or is due to have) intermittent courses of dexamethasone for either of the following?" 2) Click the Yes button 3) Observe redirect to end page with content being SEC is required	N/A	1)The question and buttons are loaded without error 2) Pressing yes to dexamethasone question redirects user to end page 3) End page content shows an SEC is required	As expected	Pass
TC_Ora_L004	Verify that <b>No</b> answer on dexamethasone question shows continuous route check	1) User is on the oral route 2) User is on the dexamethasone question ("Has the patient had (or is due to have) intermittent courses of dexamethasone for either of the following?")	1) Verify question is "Has the patient had (or is due to have) intermittent courses of dexamethasone for either of the following?" 2) Click the No button 3) Observe page update to show continuous form 4) Verify question title has changed to "Continuous: Please enter the daily dosage below (If the patient has taken a variable dose, enter the highest dose taken.)" 1) Verify question is "Has the patient had at least one continuous course (at least 4 weeks) of oral steroids in the past year?" 2) Click the no button 3) Observe redirect back to routes page 4) Observe Oral route is greyed out, marked as completed and is unclickable / uninteractable	N/A	1) The content is updated without any errors 2) The question title reads "Continuous: Please enter the daily dosage below (If the patient has taken a variable dose, enter the highest dose taken.)" 3) The form is not pre populated 4) There are 2 buttons go back and submit	As expected	Pass
TC_Ora_L005	Verify that <b>no</b> answer to continuous route check redirects user back to routes page and marks route as done	1) User is on oral route 2) User is on the continuous check	1) Verify question is "Has the patient had at least one continuous course (at least 4 weeks) of oral steroids in the past year?" 2) Click the no button 3) Observe redirect back to routes page 4) Observe Oral route is greyed out, marked as completed and is unclickable / uninteractable	N/A	1) The user is redirected back to the routes page without error 2) The oral route has a green checkmark 3) The oral route is greyed out 4) The oral route is uninteractable	As expected	Pass
TC_Ora_CONT_001	In the oral continuous form verify that if the user inputs values that is <b>UNDER</b> the requirement for SEC, user is redirected to routes page and route is marked as completed	1) User is on oral route 2) User is on the continuous form page	1) Enter values for form 2) Click submit 3) Observe redirect to routes page and route is marked as completed	<b>Beclometasone: 120</b> <b>Betamethasone: 100</b>	1) The user is redirected back to the routes page without error 2) The oral route has a green checkmark 3) The oral route is greyed out 4) The oral route is uninteractable	As expected	Pass
TC_Ora_CONT_002 (Retest)	In the oral continuous form verify that if the user inputs values that is <b>UNDER</b> the requirement for SEC, user is redirected to routes page and route is marked as completed	1) User is on oral route 2) User is on the continuous form page	1) Enter values for form 2) Click submit 3) Observe redirect to routes page and route is marked as completed	<b>Deflazacort: 1</b> <b>Prednisolone: 1</b>	1) The user is redirected back to the routes page without error 2) The oral route has a green checkmark 3) The oral route is greyed out 4) The oral route is uninteractable	As expected	Pass
TC_Ora_CONT_003	In the oral continuous form verify that if the user inputs values that is <b>OVER</b> or equal to the requirement for SEC, user is redirected to the end page and the content is that of an SEC required	1) User is on oral route 2) User is on the continuous form page	1) Enter values for form 2) Click submit 3) Observe redirect to end page 4) Observe content displayed shows that an SEC is needed	<b>Beclometasone : 400</b> <b>Methylprednisolone : 5</b>	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass

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TC_OraL_CONT_004 (Retest)	In the oral continuous form verify that if the user inputs values that is <b>OVER</b> or equal to the requirement for SEC, user is redirected to the end page and the content is that of an SEC required	1) User is on oral route 2) User is on the continuous form page	1) Enter values for form 2) Click submit 3) Observe redirect to end page 4) Observe content displayed shows that an SEC is needed	<b>Budenoside: 2</b> <b>Dexamethasone: 2</b>	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass
TC_OraL_CONT_005	Verify borderline inputted values <b>UNDER</b> the threshold of SEC requirement does not result in SEC	1) User is on oral route 2) User is on the continuous form page	1) Enter values for form 2) Click submit 3) Observe redirect to routes page and route is marked as completed	<b>Beclometasone: 205</b> <b>Betamethasone: 0.32</b> <b>Dexamethasone: 0.32</b> <b>Hydrocortisone: 0.42</b>	1) The user is redirected back to the routes page without error 2) The oral route has a green checkmark 3) The oral route is greyed out 4) The oral route is uninteractable	As expected	Pass
TC_OraL_CONT_006	Verify borderline inputted values <b>AT</b> the threshold of SEC requirement <b>DOES</b> result in SEC	1) User is on oral route 2) User is on the continuous form page	1) Enter values for form 2) Click submit 3) Observe redirect to end page 4) Observe content displayed shows that an SEC is needed	<b>Beclometasone: 100</b> <b>Budenoside: 0.91</b> <b>Deflazacort: 1</b> <b>Hydrocortisone: 1</b>	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass
TC_Injection_001	Verify that if <b>no</b> checkboxes are ticked, user is redirected back to routes and the Injection route is marked as completed	1) User has selected injection route from list of routes found in main route page	1) Verify user is on injection page 2) Do not click any checkboxes 3) Click the submit button 4) Observe redirect to routes page and route is marked as completed	N/A	1) No checkboxes are pre-ticked 2) The user is redirected back to the routes page without error 3) The injection route has a green checkmark 4) The injection route is greyed out 5) The injection route is uninteractable	As expected	Pass
TC_Injection_002	Verify that if <b>one</b> checkbox is ticked, user is redirected to end page and SEC is required content is shown	1) User has selected injection route from list of routes found in main route page	1) Verify user is on injection page 2) Click atleast 1 checkbox 3) Click the submit button 4) Observe redirect to end page and SEC content is shown	<b>Dexamethasone Injection: "Taken as prolonged courses (&gt;10 days) for the treatment of severe Covid-19?" Ticked</b>	1) No checkboxes are pre-ticked 2) The user is redirected back to the routes page without error 3) The injection route has a green checkmark 4) The injection route is greyed out 5) The injection route is uninteractable	As expected	Pass
TC_Injection_003	Verify that if tick <b>all</b> checkboxes, user is redirected to end page and SEC is required content is shown	1) User has selected injection route from list of routes found in main route page	1) Verify user is on injection page 2) Click atleast 1 checkbox 3) Click the submit button 4) Observe redirect to end page and SEC content is shown	<b>Tick all checkboxes</b>	1) No checkboxes are pre-ticked 2) The user is redirected back to the routes page without error 3) The injection route has a green checkmark 4) The injection route is greyed out 5) The injection route is uninteractable	As expected	Pass
TC_Inhaled_001	Verify that if either the Yes or No button is pressed, a form is shown with a list of inhaled glucocorticoids, brand names and inputs are shown alongside a go back button and a submit button	1) User has selected Inhaled route from list of routes found in main route page 2) The inhaled route shows with no errors and all buttons are visible	1) Verify user is on Inhaled page 2) Click either the Yes or No button 3) Observe if the page updates to show a form with the inhaled glucocorticoids, brand names and inputs and shows a go back and submit button	N/A	1) The inhaled form content is shown without any missing fields or inputs 2) The brand names are rendered for each glucocorticoid with any overflowing brand names being hidden into a More dropdown 3) A submit button is shown	As expected	Pass
TC_Inhaled_002	If <b>No</b> is answered to "Is the patient also using nasal glucocorticoids?" Verify that if the user inputs values <b>UNDER</b> the requirement for SEC, the user is redirected to routes page and the route is marked as completed	1) User has selected Inhaled route from list of routes found in main route page 2) The inhaled route shows with no errors and all buttons are visible 3) User selects <b>No</b> to the inhaled route question "Is the patient also using nasal glucocorticoids?"	1) Enter values for form 2) Click submit 3) Observe redirect to routes page and route is marked as completed	<b>Beclometasone: 300</b> <b>Fluticasone propionate: 300</b>	1) The user is redirected back to the routes page without error 2) The Inhaled route has a green checkmark 3) The Inhaled route is greyed out 4) The Inhaled route is uninteractable	As expected	Pass
TC_Inhaled_003	If <b>No</b> is answered to "Is the patient also using nasal glucocorticoids?" Verify that if the user inputs values <b>OVER</b> the requirement for SEC, the user is redirected to routes page and the route is marked as completed	1) User has selected Inhaled route from list of routes found in main route page 2) The inhaled route shows with no errors and all buttons are visible 3) User selects <b>No</b> to the inhaled route question "Is the patient also using nasal glucocorticoids?"	1) Enter values for form 2) Click submit 3) Observe redirect to routes page and route is marked as completed	<b>Budesonide: 800</b> <b>Ciclesonide: 200</b>	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass

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TC_Inhaled_004	If <b>Yes</b> is answered to "Is the patient also using nasal glucocorticoids?" Verify that if the user inputs values <b>UNDER</b> the requirement for SEC, the user is redirected to routes page and the route is marked as completed	1) User has selected Inhaled route from list of routes found in main route page 2) The inhaled route shows with no errors and all buttons are visible 3) User selects <b>Yes</b> to the inhaled route question " Is the patient also using nasal glucocorticoids?"	1) Enter values for form 2) Click submit 3) Observe redirect to routes page and route is marked as completed	<b>Beclometasone: 100</b> <b>Ciclesonide: 200</b>	1) The user is redirected back to the routes page without error 2) The Inhaled route has a green checkmark 3) The Inhaled route is greyed out 4) The Inhaled route is uninteractable	As expected	Pass
TC_Inhaled_005	If <b>Yes</b> is answered to "Is the patient also using nasal glucocorticoids?" Verify that if the user inputs values <b>OVER</b> the requirement for SEC, the user is redirected to routes page and the route is marked as completed	1) User has selected Inhaled route from list of routes found in main route page 2) The inhaled route shows with no errors and all buttons are visible 3) User selects <b>Yes</b> to the inhaled route question " Is the patient also using nasal glucocorticoids?"	1) Enter values for form 2) Click submit 3) Observe redirect to routes page and route is marked as completed	<b>Budesonide: 800</b> <b>Ciclesonide: 200</b>	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass
TC_Inhaled_006	Test if user enters an Oral dosage <b>AND</b> an inhaled dosage, the <b>COMBINED</b> values result in an SEC <b>NOT</b> being needed	1) The Oral route and Inhaled route are not filled and active 2) No previous SEC required outcome has been achieved	1) Enter the oral route and enter a dosage 2) Press submit and return to routes page 3) Select Inhaled route 4) Select <b>either Yes or No</b> 5) Enter a dosage 6) Observe redirect to routes page with both inhaled and oral route marked as completed	<b>(Oral)</b> <b>Beclometasone : 300</b> <b>(Inhaled)</b> <b>Beclometasone: 150</b> <b>Beclometasone Extra fine: 100</b>	1) The user is redirected back to the routes page without error 2) The Oral & Inhaled route has a green checkmark 3) The Oral & Inhaled route is greyed out 4) The Oral & Inhaled route is uninteractable	As expected	Pass
TC_Inhaled_007	Test if user enters an Oral dosage <b>AND</b> an inhaled dosage, the <b>COMBINED</b> values result in an SEC <b>needed</b>	1) The Oral route and Inhaled route are not filled and active 2) No previous SEC required outcome has been achieved	1) Enter the oral route and enter a dosage 2) Press submit and return to routes page 3) Select Inhaled route 4) Select <b>either Yes or No</b> 5) Enter a dosage 6) Observe redirect to routes page with both inhaled and oral route marked as completed	<b>(Oral)</b> <b>Beclometasone : 300</b> <b>(Inhaled)</b> <b>Beclometasone: 600</b>	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass
TC_Nasal_001	Verify that pressing <b>Yes</b> in Nasal route question shows expected content	1) The nasal route is selected 2) No SEC requirement has been reached already	1) Verify question is "Is the patient using high dose steroids for nasal polyps for more than 4 weeks?" 2) Click the Yes button 3) Observe updated content	N/A	1) The updated content is shown without error 2) The updated title is " Please review the following" 3) First paragraph is "A steroid emergency card may be appropriate and for 12 months after stopping, particularly if in combination with other glucocorticoids." 4) The second paragraph is "Consider whether patient needs cover with hydrocortisone if admitted to hospital unwell or invasive procedure" 5) Two buttons, Back to routes and To end is present	As expected	Pass
TC_Nasal_002	Verify that pressing <b>No</b> in Nasal route question shows expected content	1) The nasal route is selected 2) No SEC requirement has been reached already	1) Verify question is "Is the patient using high dose steroids for nasal polyps for more than 4 weeks?" 2) Click the No button 3) Observe updated content	N/A	1) The updated content is shown without error 2) The updated title is " Please review the following" 3) First paragraph is "It is unlikely that a steroid emergency card is needed" 4) The second paragraph is "However do consider the risk if in combination with other glucocorticoids" 5) The Back to routes button is present	As expected	Pass

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Test Case ID	Test Case Scenario	Pre-Conditions	Test Steps	Test Data if applicable	Expected Results	Actual Results	Pass/Fail
TC_Topical_001	Verify correct content is shown in the topical route page for the first question	1) The topical route is selected	1) From the routes page, click the topical route 2) Observe returned content	N/A	1) The page is shown without error 2) The question is "Is the patient applying potent or very potent topical glucocorticoids in quantities of" 3) The following is present below the question :More than 30g a month to rectal or vaginal areas, or More than 200g a week to any other area 4) The example of potent glucocorticoids table is present 5) Two buttons Yes and No are present	As expected	Pass
TC_Topical_002	Verify if user answers <b>Yes</b> to first question, user redirected to end page with SEC needed content shown	1) The topical route is selected 2) No SEC requirement has been reached already	1) In the topical route page answer Yes 2) Observe redirect to end page and SEC content is shown	N/A	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass
TC_Topical_003	Verify if user answers <b>No</b> to first question, question updates to "Is the patient using also taking significant amounts of other forms of glucocorticoid?"	1) The topical route is selected	1) In the topical route page answer No 2) Observe updated question	N/A	1) The question title updates to "Is the patient using also taking significant amounts of other forms of glucocorticoid?" 2) Previous content is unrendered 3) Two buttons Yes and No are shown	As expected	Pass
TC_Topical_004	Verify if user answers <b>Yes</b> to the second question, user is redirected to the end page with SEC needed content shown	1) The topical route is selected 2) No SEC requirement has been reached already	1) Verify the question is "Is the patient using also taking significant amounts of other forms of glucocorticoid?" 2) Click the Yes button 3) Observe redirect to end page and SEC content is shown	N/A	1) The user is redirected to the end page without error 2) At the end page the content shows that an SEC is needed	As expected	Pass
TC_Topical_005	Verify if user answers <b>No</b> to the second question, content updates to show additional information	1) The topical route is selected	1) Verify the question is "Is the patient using also taking significant amounts of other forms of glucocorticoid?" 2) Click the No button 3) Observe Updated content	N/A	1) The content updates without error 2) First sentence is "It is unlikely that the patient needs an steroid emergency card." 3) Second sentence is "However do consider that systemic absorption varies depending on the area of application." 4) The absorption rate table is shown 5) The additional info is shown as "Additionally:HPA axis suppression and adrenal crisis has also been reported from use of skin-lightening creams containing steroids over large body surface areas" 6) There is a back to routes button	As expected	Pass
TC_Topical_006	Verify that pressing back to routes button in the page after answering <b>No</b> to "Is the patient using also taking significant amounts of other forms of glucocorticoid?" returns user back to routes page and marks topical route as completed	1) The topical route is selected	1) Verify the question is "Is the patient using also taking significant amounts of other forms of glucocorticoid?" 2) Click the No button 3) In next screen/page click the back to routes button	N/A	1) The user is redirected back to the routes page without error 2) The Topical route has a green checkmark 3) The Topical route is greyed out 4) The Topical route is uninteractable	As expected	Pass
TC_Rectal_001	Verify content of rectal route	1) The rectal route is chosen from main list of routes	1) Verify the question is "Is the patient using either of the following?" 2) Verify there is a list 3) Verify there is two buttons Yes and No	N/A	1) The rectal page is shown without error 2) The question is "Is the patient using either of the following?" 3) The list content is "Budesonide enema or rectal foam Prednisolone rectal solution or suppositories" 4) There are two buttons Yes and No	As expected	Pass

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Test Case ID	Test Case Scenario	Pre-Conditions	Test Steps	Test Data if applicable	Expected Results	Actual Results	Pass/Fail
TC_Rectal_002	Verify answering <b>Yes</b> in rectal route results in expected advice being given	1) The rectal route is selected	1) Verify the question is "Is the patient using either of the following?" 2) Press the Yes button 3) Observe returned content	N/A	1) The title should be "Please review the following" 2) The first paragraph should be " There are some reports of these rectal glucocorticoids causing adrenal insufficiency when used for inflammatory bowel disease." 3) The second paragraph should be "Consider usage of these and any other concomitant steroid use to decide if a Steroid Emergency Card is needed. If needed, the card is required for 12 months after stopping aswell." 4) There should be a button labeled Back to routes	As expected	Pass
TC_Rectal_003	Verify answering <b>No</b> in rectal route results in the user being returned back to the routes and the rectal route is marked as complete	1) The rectal route is selected	1) Verify the question is "Is the patient using either of the following?" 2) Press the No button 3) Verify the user is redirected to the routes page and the rectal route is marked as completed	N/A	1) The user is redirected back to the routes page without error 2) The Rectal route has a green checkmark 3) The Rectal route is greyed out 4) The Rectal route is uninteractable	As expected	Pass
TC_Rectal_004	Verify that clicking the Back to routes button in the page where rectal advice is being given results in the user being returned to the routes page and the route is marked as completed	1) The rectal route is selected 2) The user has already answered yes to the question "Is the patient using either of the following?"	1) Ensure the user is on the page where advice is given ( e.g. There are some reports of these rectal glucocorticoids causing ...) 2) Click the back to routes button 3) Verify user is returned back to routes and route is marked as completed	N/A	1) The user is redirected back to the routes page without error 2) The Rectal route has a green checkmark 3) The Rectal route is greyed out 4) The Rectal route is uninteractable	As expected	Pass
TC_Eye_001	Verify that the correct content is shown when entering the Eye route	1) The eye route is selected	1) Click the Eye route from the main list of routes 2) Observe the returned content	N/A	1) The title should be: "Please review the following" 2) The first sentence should read "If the patient is only on steroid eye drops, HPA axis suppression is unlikely." 3) The second sentence should read If a patient is taking other steroids by other routes then total exposure needs to be considered." 4) There is a back to routes button present	As expected	Pass
TC_Eye_002	Verify that clicking the Back to routes button in the eye page returns the user back to the main routes page and marks the eye route as completed	1) The eye route is selected	1) Verify you are on the Eye page 2) Click the back to routes button 3) Verify user is returned back to routes and route is marked as completed	N/A	1) The user is redirected back to the routes page without error 2) The Eye route has a green checkmark 3) The Eye route is greyed out 4) The Eye route is uninteractable	As expected	Pass
TC_SkippedRoutes_001	Verify that if any routes are not completed in order, they are disabled and a green x is present next to the route	1) User on routes page 2) No routes have been already completed	1) Select a route that has a route prior to it that is <b>uncompleted</b> (e.g. select Nasal route without clicking on Oral,Injection or Inhaled first) 2) Proceed through the question flow until user returned back to routes page 3) Observe the skipped routes are greyed out with a red X indicator next to them	N/A	1) If for example Nasal route is chosen without completing prior routes, the nasal route is marked as completed with a green checkmark 2) The prior routes Oral,Injection & Inhaled are all greyed out, uninteractable and have a red X indicator on them	As expected	Pass
TC_SkippedRoutes_002	Verify that if any routes are not accessible via url	1) User able to access application via internet 2) User on supported browser 3) User has access to URL bar	1) Attempt to access Oral Route from any part of application via URL 2) Observe redirect to Start page	<a href="https://ai-guard.vercel.app/routes/oral">https://ai-guard.vercel.app/routes/oral</a>	1) User redirected to start page	As expected	Pass
TC_SkippedRoutes_003 (Retest)	Verify that any question is not accessible via url	1) User able to access application via internet 2) User on supported browser 3) User has access to URL bar	1) Attempt to access q1 page from URL 2) Observe redirect to Start page	<a href="https://ai-guard.vercel.app/q1">https://ai-guard.vercel.app/q1</a>	1) User redirected to start page	As expected	Pass



## CI601 Fuctional Test Case

Test Case ID	Test Case Scenario	Pre-Conditions	Test Steps	Test Data if applicable	Expected Results	Actual Results	Pass/Fail
TC_END_SEC_001	Verify the content in the end page when an SEC is required is expected	1) User has passed the requirement for an SEC 2) User on End page	1) Observe returned content in end page	N/A	1) User on End page, Red box with text "The patient has been identified as being at risk of HPA axis suppression. A Steroid Emergency Card is recommended for this patient and for 12 months after stopping." is shown 2) Additional disclaimers and text shown 3) SEC images shown 4) Start again button shown	As expected	Pass
TC_END_SEC_002	in the end page make sure all links work	1) User has passed the requirement for an SEC 2) User on End page 3) Links are available and up to date	1) Identify all available links in start page 2) Click / tap on each link 3) Check user is redirected	N/A	1) Links open to expected sources 2) No broken links 3) Links are clearly visible as links (underlined and blue)	As expected	Pass
TC_END_NOSEC	Verify the content in the end page when No SEC is required is expected	1) User has completed flow in a way that NO SEC is needed 2) User on End page	1) Observe returned content in end page	N/A	1) User on End page, the title is "The patient is unlikely at risk of HPA axis suppression." 2) A paragraph is shown and reads "It does not appear that a Steroid Emergency Card is needed for this patient. However this tool is only a guide and the patient should always be considered clinically for any other reasons why a card may be needed." 3) A red disclaimer box mentioning the tool is not too be used in real world applications is shown. 4) The start again button is shown	As expected	Pass