

Test Cases

Test Case For	Key	Test Cases	Test Data	Expected Results	Actual Results	Pass/Fail
Homepage	HID-29	Browse the Website		Patient should be able to access the homepage of the website	Once directed to site, you will first be directed to the homepage of SymCheck	P
Homepage	HID-30	Locate the Get Diagnosed Link		Patient should be able to locate the link to access the upload page	Click link Get Diagnosis Now to be redirected to upload page	P
Homepage	HID-58	Chatbot	Hi, chicken pox, pink eye	Patient can interact with SymBot and receive a response	SymBot responds on all patient inputs such as hello, what is chickenpox, how can I speak to creators of symcheck, etc.	P
Patient Input Page	HID-31	Locate the Submit Photo Link		Patient should be able to locate the link to submit photo	Next to the upload image button there is a button to submit the photo	P
Patient Input Page	HID-31	Choose file shows up	chickenpox image file	Patient should see choose file option, to upload photo to website	Once you click the choose file button you will be redirected to upload a file from your computer	P
Patient Input Page	HID-57	Image reflection	pinkeye image file	Patient can see their uploaded image	After you select an image to upload, the page shows you the uploaded image	P
Patient Input Page	HID-32	Ability to cancel uploading file		Patient should be able to cancel the file from being uploaded	When selecting the file to upload you are prompted with the option to cancel. If you click cancel the file won't upload to the page.	P
Patient Input Page	HID-32	Verify file is uploaded		Patient should not be able to click on the submit button without submitting a file	If you try to select the submit button with uploading an image, you are prompted to please select a file	P
Patient Input Page	HID-32	Verify file is correct		Patient should be promoted to verify uploaded file is correct	When uploading the file, the patient can see what image they are uploading and cancel the process if it is not the right image.	P
Patient Input Page	HID-33	Submit to website for analysis		Patient should be able to click submit to send correct photo to be analyze	Once uploading the image click the submit button and the algorithm begins analyzing the photo for results	P
Patient Input Page	HID-35	Locate the Nearest ER Link		Patient should be able to locate and click the Nearest ER link to access an interactive map	Under the logo, there is the Nearest ER link. Clicking this button, you can access google maps to show hospitals nearby.	P
Patient Input Page	HID-36	Return to Homepage Link		Patient should be able to return to the homepage when clicking the Home button	At the bottom of the page when clicking the home button, you are redirected to the homepage of Symcheck	P
Patient Input Page	HID-58	Chatbot	How do I upload an image?	Patient can interact with SymBot and receive a response	SymBot responds on all patient inputs such as hello, what is chickenpox, how can I speak to creators of symcheck, etc.	P
Image functionality	HID-32	Check for image file extension		Patient can only upload certain types of file extensions (Verify if incorrect)	When uploading a file you can only open a jpg or png. No other extensions will be allowed to be uploaded	P
Image functionality	HID-32	Check for size of the image file		If file is too large to upload, the patient must be notified	If file is too large, it will be resized to fit a specific measurement before being processed in the Machine Learning	P
Image functionality	HID-32	Check for height and width		Image should be measuring a certain height	Before preprocessing is done, the image is resized to be 200 length and 200 width. That way the images are processed at the same size.	P
Results	HID-37	Results appear after analysis complete		Patient will see percentage that they have the illness	In the Results box it displays the likely hood of the image being an illness.	P
Results	HID-38	About the disease		Patient will see facts about the disease they have been diagnosed with	If the image is likely to be Chickenpox or Pink Eye, then the About box will give information about the illness and a link to the CDC website. If the image is not likely to be chickenpox or Pink Eye, then the section will say that the algorithm isn't detecting an illness	P
Results	HID-39	When to see a Doctor		Patient will see when it is best advised to see a doctor	In the When To See A Doctor section, it will state when it is best advised to seek medical attention and includes the symptoms that can occur or become worse	P
Results	HID-40	Nearest ER		If selected, patient will be able to access an interactive map	Towards the bottom of the page there is a Nearest Emergency Room section. Where you can click the Nearest Emergency Room button and google maps pops up with Emergency Rooms nearby your location.	P
Results	HID-41	New Diagnosis Link		Patient should be able to access the patient input page for a new diagnosis	In the top right corner there is a button called new diagnosis, where you will be redirected to the upload image page to upload a new image to diagnose	P
Results	HID-42	Return to Homepage Link		Patient should be able to return to the homepage when clicking the Home button	In the top left corner there is a Home button, when clicking this button you will be redirected to SymChecks homepage	P
Results	HID-37	Error Message		Patient should see an error message if there is any issue with their uploaded image.	If the patient deletes their browser history and tries to refresh the page, the results won't exist anymore and this will cause the patient to submit photo again.	P
Results	HID-58	Chatbot	How can I get in touch with developers?	Patient can interact with SymBot and receive a response	SymBot responds on all patient inputs such as hello, what is chickenpox, how can I speak to creators of symcheck, etc.	P
Feedback	HID-44	Send patient feedback		Patient can click button to send feedback about application	Located at the bottom of the Results Page, there is a Feedback section. You can click Contact Us Here to send the team a message.	P
Feedback	HID-44	Fill out feedback	"This is a great application"	Patient will be prompted to type their feedback about the application	Once the Contact Us Here was clicked you will be redirected to an email where the email address and subject are already filled out. All you have to do is fill out the message you would like to send.	P
Feedback	HID-44	Submit Feedback		Patient can submit feedback and will have a response within 24 hours	Once the email is ready to be sent, the patient can send the email and the team will respond back shortly.	P
Cloud Access	HID-62	Access via URL		Patients can use SymCheck without any issues	Repl.it can no longer support tensorflow installation. Need to use a new cloud hosting provider	F
FAQPage	HID-81	Questions and Answers		Patient can see listed questions and respective answers	Patient sees listed questions and respective answers	P
FAQPage	HID-81	Return to Home		Patient can return to the homepage	Patient is returned to the homepage	P
FAQPage	HID-81	New Diagnosis		Patient can access the image upload page	Patient is rerouted to the image upload page	P
FAQPage	HID-81	Find Nearest ER		Patient can access the interactive map with nearest ERs shown	Patient can use the emergency ER feature	P
FAQPage	HID-81	Feedback	"Test"	Patient can send feedback via email to SymCheck developers	Patient can send an email to symcheckapp@gmail.com	P