

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 Upload Image Link		Patient should be able to locate the link to access the upload page	Click link Upload Images or the Upload in NavBar 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
Homepage	HID-82	NavBar		Patient can move to all pages on site using the NavBar	Click any link in NavBar and the user is redirected to the Home, Upload, FAQ, or About Us Page	P
Patient Input Page	HID-30	Locate the Upload Image Link		Patient should be able to locate the link to upload image	Once redirected to Upload Page the patient can easily find the Upload Image button where they can upload an image for diagnosis	P
Patient Input Page	HID-31	Locate the Submit Photo Link		Patient should be able to locate the link to submit photo	Once redirected to the Upload Page beside 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	pink eye 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 NavBar, 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 Home	At the top of the page within the NavBar when selecting Home, 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
Patient Input Page	HID-82	NavBar		Patient can move to all pages on site using the NavBar	Click any link in NavBar and the user is redirected to the Home, Upload, FAQ, or About Us Page	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
AdvancedPrediction	HID-59	Directed to Advance Prediction		Patient will be directed to Advance Prediction Page after submitting photo	After submitting a photo for analysis, the Advance Prediction Page will appear	P
AdvancedPrediction	HID-59	Chickenpox	chickenpox image file	Patient will be asked questions about chickenpox	After submitting a chickenpox photo, the questions on the Advance Prediction are based upon this illness.	P
AdvancedPrediction	HID-59	Pink Eye	pink eye image file	Patient will be asked questions about pink eye	After submitting a pink eye photo, the questions on the Advance Prediction are based upon this illness.	P
AdvancedPrediction	HID-59	Complete All Answers		Patient will have to complete all answers	When choosing to answer the advanced questions must answer all of them to submit and move on to the results. If you don't answer one question an alert will pop up to answer that question	P
AdvancedPrediction	HID-59	Submit Answers		Patient can submit answers to Advanced Questions	Once completing all questions, you can submit the answers to help further diagnosis your illness.	P
AdvancedPrediction	HID-59	Skip to Results		Patient can skip Advance Questions and go to Results Page	If someone doesn't want to answer the Advanced Page questions, then clicking the skip to results button will send them to the results page	P
AdvancedPrediction	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 NavBar, there is the Nearest ER link. Clicking this button, you can access google maps to show hospitals nearby.	P
AdvancedPrediction	HID-58	Chatbot	chickenpox, 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
AdvancedPrediction	HID-82	NavBar		Patient can move to all pages on site using the NavBar	Click any link in NavBar and the user is redirected to the Home, Upload, FAQ, or About Us Page	P
Results	HID-37	Results Page		Patient will see results based on Advanced Page	Either after answering advanced prediction questions or skipping to results page you will see the results of the image you uploaded	P
Results	HID-37	Results appear after analysis complete		Patient will see percentage that they have the illness	In the Results section it displays the likely hood of the uploaded 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	At the top of the page, under the NavBar 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-42	Return to Homepage		Patient should be able to return to the homepage when clicking Home	At the top of the page within the NavBar when selecting Home, you are redirected to the homepage of Symcheck	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		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
Results	HID-82	NavBar		Patient can move to all pages on site using the NavBar	Click any link in NavBar and the user is redirected to the Home, Upload, FAQ, or About Us Page	P
Results	HID-95	Progress Bar	Normal Eye or Normal Skin	Patient will be able to easily understand how serious the illness is	When completing results if patient has a Normal Eye or Normal Skin with a percentage of 66% of higher then the progress bar is green. Otherwise if the percentage is less than 66% ten the progress bar is yellow.	P
Results	HID-95	Progress Bar	Pink Eye or Chickenpox	Patient will be able to easily understand how serious the illness is	When completing results if patient has a Pink Eye or Chickenpox with a percentage of 66% of higher then the progress bar is red. Otherwise if the percentage is less than 66% ten the progress bar is yellow.	P

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	At the top of the page within the NavBar when selecting Home, you are redirected to the homepage of Symcheck	P
FAQPage	HID-81	New Diagnosis		Patient can access the image upload page	At the top of the page within the NavBar when selecting Upload, you are redirected to the homepage of Symcheck	P
FAQPage	HID-81	Find Nearest ER		Patient can access the interactive map with nearest ERs shown	At the top of the page, under the NavBar 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
FAQPage	HID-81	Chatbot		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
FAQPage	HID-81	NavBar		Patient can move to all pages on site using the NavBar	Click any link in NavBar and the user is redirected to the Home, Upload, FAQ, or About Us Page	P
AboutUs	HID-93	About Us		Patient can locate About Us page	In the NavBar you will find About Us, once selected you will be redirected to this page	P
AboutUs	HID-93	What is SYMCheck		Patient can see what SYMCheck Application does	Underneath the NavBar you will see a short description about what the application does	P
AboutUs	HID-93	Meet the Team		Patient can see all of the team members who created SYMCheck	Below the What is SYMCheck section you will see Meet the Team. With a list of our team members with pictures and the description of our roles.	P
AboutUs	HID-93	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
AboutUs	HID-93	NavBar		Patient can move to all pages on site using the NavBar	Click any link in NavBar and the user is redirected to the Home, Upload, FAQ, or About Us Page	P
Footer	HID-83	Footer		Patient can access footer along all pages throughout site	On every page you have access to the same footer	P
Footer	HID-80	Disclaimer		Patient can see disclaimer in the footer	In the footer there is a disclaimer saying we are not medical professionals	P
Footer	HID-44	Feedback		Patient can send feedback through SYMCheck email or social media	In the footer there is a contact us section, where you can send feedback through an email or via social media	P
Footer	HID-80	Footer Links		Patient can click on any links in footer and be redirected to page	In the footer all links under SYMCheck, Resources, Support, and Contact Us take you to the correct page	P
Mobile	HID-64	HomePage		Patient can access Homepage of SymCheck on their mobile device	Using www.symcheckapp.com on a mobile device you will be redirected to SymCheck Homepage	P
Mobile	HID-64	Home Buttons	Upload Images and Check Out A Quick Demo	Patient will be redirected to button links once they are clicked	Clicking on the Check Out A Quick Demo button the user is redirected to a video to show a demo of how to use the website. Clicking on the Upload Images button the user will be redirected to the Upload page where they can upload images for diagnosis	P
Mobile	HID-64	Chatbot	Hi, chicken pox, pink eye, How can I get in touch with the Developers of SymCheck?, 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
Mobile	HID-64	NavBar	Home, Upload, FAQ, Advanced, Results, and About Us Pages	Patient can move to all pages on site using the NavBar	Click any link in NavBar and the user is redirected to the Home, Upload, FAQ, or About Us Page	P
Mobile	HID-64	Patient Input Page		Patient can access the Upload Page on their mobile devices	Using the NavBar or Clicking the Upload Images button on the homepage the user is redirected to the Upload Page	P
Mobile	HID-64	Locate the Nearest ER Link	Upload, FAQ, and Results Pages	Patient should be able to locate and click the Nearest ER link to access an interactive map	Under the NavBar, there is the Nearest ER link. Clicking this button, you can access google maps to show hospitals nearby.	P
Mobile	HID-64	Patient Input Page		Patient should be able to locate the link to upload image	Once redirected to Upload Page the patient can easily find the Upload Image button where they can upload an image for diagnosis	P
Mobile	HID-64	Patient Input Page	chickenpox image, pink eye image	Patient should be able to locate the link to submit photo	Once redirected to the Upload Page beside to the upload image button there is a button to submit the photo	P
Mobile	HID-64	Patient Input Page		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
Mobile	HID-64	Patient Input Page		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
Mobile	HID-64	Patient Input Page	chickenpox image, pink eye image	Patient can see their uploaded image	After you select an image to upload, the page shows you the uploaded image	P
Mobile	HID-64	Patient Input Page		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
Mobile	HID-64	Advanced Results	Chickenpox	Patient will be asked questions about chickenpox	After submitting a chickenpox photo, the questions on the Advance Prediction are based upon this illness.	*P
Mobile	HID-64	Advanced Results	Pink Eye	Patient will be asked questions about pink eye	After submitting a pink eye photo, the questions on the Advance Prediction are based upon this illness.	*P
Mobile	HID-64	Advanced Results		Patient can skip Advance Questions and go to Results Page	If someone doesn't want to answer the Advanced Page questions, then clicking the skip to results button will send them to the results page	*P
Mobile	HID-64	Results		Patient will see results based on Advanced Page	Either after answering advanced prediction questions or skipping to results page you will see the results of the image you uploaded	*P
Mobile	HID-64	Results		Patient will see percentage that they have the illness	In the Results section it displays the likely hood of the uploaded image being an illness.	*P
Mobile	HID-64	Results		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
Mobile	HID-64	Results		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
Mobile	HID-64	Results	Normal Eye or Normal Skin	Patient will be able to easily understand how serious the illness is	When completing results if patient has a Normal Eye or Normal Skin with a percentage of 66% of higher then the progress bar is green. Otherwise if the percentage is less than 66% ten the progress bar is yellow.	*P
Mobile	HID-64	Results	Pink Eye or Chickenpox	Patient will be able to easily understand how serious the illness is	When completing results if patient has a Pink Eye or Chickenpox with a percentage of 66% of higher then the progress bar is red. Otherwise if the percentage is less than 66% ten the progress bar is yellow.	*P
Mobile	HID-64	FAQ		Patient can see listed questions and respective answers	Patient sees listed questions and respective answers	P
Mobile	HID-64	About Us		Patient can locate About Us page	In the NavBar you will find About Us, once selected you will be redirected to this page	P
Mobile	HID-64	Footer	Home, Upload, FAQ, Advanced, Results, and About Us Pages	Patient can access footer along all pages throughout site	On every page you have access to the same footer	P
Mobile	HID-64	Footer Links		Patient can click on any links in footer and be redirected to page	In the footer all links under SYMCheck, Resources, Support, and Contact Us take you to the correct page	P

*P - In Mobile format for images to upload and work correctly they must remain under a certain file size. Also, depending on the mobile platform (android or apple), the photo will not upload properly
 *P - When uploading a photo taken directly from the camera, the image file will not upload