

Acceptance Test

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must: E5.1~4, E6, E7

should: E4.1, E4.2, E4.6, E5.6

could: rest

The grayed-out boxes represent the features we decided to discard.

Epic	User Story ID	Acceptance Criteria	Test ID	Acceptance Test	Critical		Test Result		Comments
					Yes	No	Accept	Reject	
E1	E1.1	Given that there is a clear and easy-to-find registration link, when I try to register a new account, then the page for registering will be presented to me.	AT0001	The default page of FHIR studio is the cover page. After clicking on the cover, the login page will be presented to the users. When they want to register a new account, they press 'Register' at the bottom of the page, and then it will jump to the sign-up page.		✗			
		Given that I am on the register page, when I forget to fill in the necessary registration information, then The warning message will come up and I can fill in the missing information to sign up.	AT0002	While registering, if the users forget to fill in the necessary information, the sentence 'This field is mandatory.' will exist under the vacant input box.		✗			
	E1.2	Given that I want to set my password on register page, when I am registering my own account, then I can input my own password on input box under "password" section.	AT0003	While registering, there is an input box under the title 'password', where the users can fill in their own passwords.		✗			
	E1.3	Given that I want to confirm my inputted password on register page, when I am inputting my password again on confirm password box, then It will remind me if my password is not same with confirm password.	AT0004	While registering, there is an input box under the title 'confirm password', where the users can repeat their own passwords to check if they have filled in the correct password. If it is not the same as the content in the 'password' input box, the sentence 'Your two inputs are different' will exist under the input box.		✗			
E2	E2.1	Given that I am on the log in page, when I fill in the correct account and password, then I can sign into the platform.	AT0005	The default page of FHIR studio is the cover page. After clicking on the cover, the login page will be presented to the users. When they press 'SIGN IN', they will sign into the platform.		✗			
	E2.2	Given that I am on the home page and I want to leave the page, I click on the "Sign out" icon on the top right of the navigation bar, then I will return to the log in page.	AT0006	After the administrator log into the platform, there is an icon on the top right of the navigation. When they press the icon, they will directly return to the login page.		✗			
	E2.3	Given that I forget my password to login on login page, when I click on the "Forget Password?" button, then it will turn to the reset password page.	AT0007	When the users are on the login page, they can click on 'Forgot password?', and then they will jump to the reset password page.		✗			
		Given that I am on the reset page, when I fill in the right email and click on the RESET button, then a new random password will be sent to my email address.	AT0008	In the reset password page, users press 'RESET', and then they will jump back to the login page and receive an email containing a random code for login.		✗			
E3	E3.1	Given that there is a Settings button in the top navigation bar, when I click on the button, then it will jump to the settings page.	AT0009	The user is logged in. Wherever the page the users are, when they click on the 'Settings' bottom in the top navigation, the page will jump to the settings page.		✗			
		Given that I want to view my personal information and password updates, when I click the icons respectively, then the details of personal information and password resetting will be presented to me.	AT0010	The users are on the settings page. When they click on the 'Edit Profile', the details of their personal information will be presented on the drop-down page. When they click on the 'Update Password', they can view the drop-down page for password updating.		✗			
		Given that I finished the changes for my information or password, when I try to save my change, then the changes will be applied to my account.	AT0011	The users are on the settings page. They then fill in the 'old password', 'new password' and 'confirm password', and they can click on the 'Save and Update' button. A message 'Success!' will exist to notify the users.		✗			
	E3.2	Given that I reach the notification menu under Settings, when I turn on/off the switch in the notification reminder list, then The corresponding	AT0012	The users are on the settings page. They then click on the switch button under the Notification, and the button will switch.		✗			

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E4	E4.1	notification method will also be turned on/off.							
		Given that there is a history section under Settings, when I click on the recover button of one history dataset, then the configuration of the dataset will be shown on the page.	AT0013	The user has entered the Settings page; they can find the history section when they scroll down the page. They click the "view" button, the configuration of the dataset will pop up.	✗				
		Given that there is a list of history datasets in the history pages, when I click on the recover button of one history dataset, then it will be recovered to the list of My DataSet.	AT0014	Viewing a list of history datasets in the history section. Then the users click on the 'recover' button of one dataset; it will jump to the My DataSet page where they can see the recovered dataset.	✗				
	E4.2	Given that if I have completed the configuration of one dataset, when I click on the Start Generation button, then it will be saved into the list of My DataSet.	AT0015	After completing the configuration of one dataset, the users then click on the 'Start Generation' button, and an overlay will appear. After they fill in the name of the dataset and click on the 'close' button, it will jump to the My DataSet page, and a list of datasets will be presented.	✗				
		Given that I have completed the configuration of one dataset, when I click on the My DataSet button in the top navigation bar, then it will jump to my DataSet page to show the list of a simulated data set that I generated before.	AT0016	If the users have set up datasets before, they click on the 'My DataSet' button in the top navigation bar, it will jump to the My DataSet page, and a list of datasets will be presented.	✗				
	E4.3	Given it will jump to my DataSet page to show the list of a simulated data set that I generated before, when I click on one dataset from the list, then the configuration of it will be shown on the page.	AT0017	The users are on the My DataSet page. They click on one dataset in the list, and the details of the configuration will show below the list section.		✗			
		Given that I confirm the detail of the data set and try to share it, when I click on the Share Configuration button, then the members who can be shared with will be listed on the page, and I can choose one to be shared with.	AT0018	Viewing the details of the configuration of the dataset. The users then click on the 'share the dataset' button, and a list of organization members will be presented. When they click on the 'share' button, the message 'success' will exist.		✗			
	E4.4	Given that I have the generated data set in My DataSet, when I click on the Dashboard button in the top navigation bar, then The overall dataset will be presented on the page.	AT0019	If the users have set up datasets before, they click on the 'Dashboard' button in the top navigation, and the overview of several datasets will be presented.		✗			
		Given that I am in the Dashboard page, when I click on the simulated data button under a certain dataset, then it will jump to the My DataSet page and the configuration of this dataset will be presented to me.	AT0020	Viewing the dashboard. The users then click on the 'More details' button, and the page will navigate to the My DataSet page and present the configuration of the selected dataset.		✗			
	E4.5	Given that I am going to share the data set, there is a sharing code for the configuration, when I click on the Press to Copy button, then it will be copied to the Clipboard.	AT0021	Viewing the list of organization members. The users can view the unique code for the configuration. Then they click on the 'Press to copy', and the message 'success' will appear.		✗			
	E4.6	Given that I have completed the configuration of simulated data, when I click on the Start Generation button, then I can choose whether to store data on my own server and the type of data stored.	AT0022	Viewing the Generation page. The users click on the 'Start generation' button; then they will see the 'Generation finished' overlay. They can click on the 'Save to my device' to save either JSON or XML documents to their own device. They can also fill in the URL of their server and click on the 'Push to my server' button to store the data on their server.	✗				
	E5	Given that there is a Generation option in the top navigation bar, when I click on the Generation button, then It will jump to the Generation page, where I can edit the configuration of simulated data based on my requirement.	AT0023	From any page except, the simulation configuration page, which contains the top navigation bar, the user clicks the generation option on the top navigation bar. The user navigates to the simulation configuration page.	✗				
		Given that I finished the simulation configuration, when I click on the Start Simulation Button, then the notification window pops out, asking me whether to save the simulated data locally or directly push the data to the API link I provided	AT0024	From any configuration with at least one resource, the user clicks the clickable Start Simulation button. The pop-up window will display.	✗				
		Given that the simulation is finished, the confirmation window pops out,	AT0025	On the pop-up window, the user selects the JSON and clicks the download to my	✗				

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	E5.2	when I click on the download to my device with the desired format, then the dataset will be downloaded, to my local device with the selected format(JSON or XML)		device, the simulated dataset will be downloaded in the JSON, and a prompt window pops up to notify the download has finished.					
		Given that the simulation is finished, the confirmation window pops out., when I enter my API link and click push to my server, then The dataset will be directly pushed to the server through the API I entered.	AT0026	On the pop-up window, the user selects the XML and clicks the download to my device, the simulated dataset will be downloaded in the XML, and a prompt window pops up to notify the download has finished.	✗				
			AT0027	On the pop-up window, the user enters their API to the text area, and clicks push to my server. A prompt window pops up to notify the push operation has finished.	✗				
		Given that I entered the generation page, there were two options for data simulation configuration, when I click on the New Configuration, then it will switch to the component asking for the simulation size and random noise level.	AT0028	In the simulation configuration page, the user clicks the New Configuration. The component on the right switches to a new simulation configuration asking for the simulation size and overall random noise level.	✗				
		Given that I entered the generation page, there were two options for data simulation configuration., when I click on Load Configuration, then It will switch to the component asking for the simulation size and the code of the configuration.	AT0029	In the simulation configuration page, the user clicks the Load Configuration. The component on the right switches to a component asking for the simulation size and existing configuration code.	✗				
		Given that I chose New Configuration and determined the size and level of random noise of the simulation, when I click on the confirm, then An empty and new simulation configuration is presented.	AT0030	After the user has chosen the new configuration and finishes the new simulation configuration's size and overall random noise, the user clicks the confirm button. The right component will switch to a notification for the next step instruction, and the top component of the left resource stack will be updated based on the information that the user inputted.	✗				
		Given that I chose the Load Configuration configuration and determined the size and level of random noise of the simulation, when I click on the confirm, then a pre-defined simulation configuration that is saved on the FHIR Studio Server, will be loaded into the current simulation.	AT0031	After the user has chosen the new configuration and finishes the loaded simulation configuration's size and configuration code, the user clicks the confirm button. The right component will switch to a notification for the next step instruction, and the components of the left resource stack will be updated based on the information of the loaded configuration. Meantime, if the loaded configuration contains at least one resource, then the Start Simulation button on the top right corner will be clickable.	✗				
		Given that the size and level of random noise are finalised when I click on add a new resource, then the frame on the right will switch to the component asking the user to choose the resource type. (Due to the dependencies between resources, the user could not add resources whose prerequisites were not satisfied)	AT0032	On the simulation configuration page, when there is no resource configuring, the user clicks to add a new resource. The right component switches to a component asking for the resource's type. Meantime, the add new resource button turns unclickable.	✗				
		Given that the frame on the right switch to the component for resource type selection, when I click on the resource type they need, then the frame on the right will switch to the component for resource configuration for this resource type.	AT0033	On the select resource component, the user selects the resource type they need. The right component switches to a component for resource configuration.	✗				
		Given that the user is configuring FHIR resources which are used for numerical clinical data., when I click on the simulated distribution, then I could be able to draw the distribution shape on the diagram.	AT0034	On the select resource component, the user cannot select the resource type they need if the prerequisite resource is not in the configuration.	✗				
			AT0035	On the numerical value resource configuration component, the user could sketch the distribution shape when they select the simulation focus on the distribution. The later simulation will simulate the distribution based on the user's sketch.	✗				
		Given that the user is configuring FHIR resources which are used for numerical clinical data that is able to have a time series format, when I click on the simulated time series,	AT0036	On the numerical value resource configuration component, the user could sketch the trend line shape when they select the simulation focus on the time series of the resource. The later simulation	✗				

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E 5.3		then I am able to draw the time series trend on the diagram.		will simulate the time series based on the trend line that the user sketched.					
		Given that the trend line or distribution is drawn, when I click on the clear, then the line I drew will be removed, so I can draw a new one.	AT0037	On the numeric resource configuration page, if the user finish drawing the trend line for time series simulation, the user clicks the clear, and the drawn trendline will be removed.	✗				
			AT0038	On the numeric resource configuration page, if the user finish drawing the distribution shape for distribution simulation, the user clicks the clear, and the drawn distribution shape will be removed.	✗				
		Given that the trend line or distribution is drawn, when I click on the detailed configuration, then it will switch to the component for a detailed configuration of this resource.	AT0039	On the numeric resource configuration page, if the user finish drawing the distribution shape for distribution simulation, the user clicks the clear, and the drawn distribution shape will be removed.	✗				
			AT0040	On the numeric resource configuration page, if the user finish drawing the distribution shape for distribution simulation, the user clicks the clear, and the drawn distribution shape will be removed.	✗				
		Given that the user has finished entering the resource configuration, when the user clicks on the confirm, then it will notify me that this resource is successfully added to the current simulation configuration.	AT0041	On the resource configuration page, the user clicks the confirm. The component of resource configuration switches to notification for successfully resourced addition.	✗				
		Given that the resource is added, when I click on the configure, then It will switch to the component for resource configuration, so I can modify it.	AT0042	On the simulation configuration page, if there are resources in the resource stack on the left, the user clicks configure button of a particular resource. The right component switches to this resource configuration which was configured before.	✗				
			AT0043	On the simulation configuration page, if there are resources in the resource stack on the left, but the user is configuring some resources, the user cannot click configure button of any resource in the stack.	✗				
		Given that the resource is added, when I click on the remove, then the resource will be removed from the current simulation configuration.	AT0044	On the simulation configuration page, if there are resources in the resource stack on the left, the user clicks the remove button of a particular resource. This resource will be removed from the simulation, and the resource will disappear from the left resource stack.	✗				
			AT0045	On the simulation configuration page, if there are resources in the resource stack on the left, but the user is configuring some resources, the user cannot click the remove button of any resource in the stack.	✗				
		Given that the user is configuring FHIR resources, when I select the random noise level, then the random noise level of this particular resource will be different from the overall random noise level.	AT0046	After the user finishes the resource configuration with a random noise level that is different from the overall random noise level, the user clicks the confirm button. The resource will be added to the simulation with a different random noise level, and the information bar on the resource stack will show the particular random noise level of this resource.	✗				
		Given that the simulation is finished, the confirmation window pops out, when I click on the download to my device with the desired format, then the dataset will be downloaded, to my local device with the selected format(JSON or XML).	AT0047	On the pop-up window, the user selects the JSON and clicks the download to my device, the simulated dataset will be downloaded in the JSON, and a prompt window pops up to notify the download has finished.	✗				
			AT0048	On the pop-up window, the user selects the XML and clicks the download to my device, the simulated dataset will be downloaded in the XML, and a prompt window pops up to notify the download has finished.	✗				
		Given that the simulated data is saved to the FHIR Studio Server and navigated to the My Dataset page,	AT0049	On my dataset page, the user clicks the visualise button to visualise a numerical	✗				

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E6	E 5.4	when I scroll down the window and click visualise button, then a window will pop out, asking for the visualisation configuration.		resource, and the visualise configuration pop-up window will display.					
		Given that the simulation is finished, the confirmation window pops out, when I enter my API link and click push to my server, then the dataset will be directly pushed to the server through the API I entered. I could use the dataset to set up test cases, validate products, test research output, test data processes pipeline, and demonstrate products.	AT0050	On the pop-up window, the user enters their API to the text area, and clicks push to my server. A prompt window pops up to notify the push operation has finished.	✗				
		Given that the simulation is finished, the confirmation window pops out, when I click on the download to my device with the desired format, then the dataset will be downloaded, to my local device with the selected format(JSON or XML). I could use the dataset to set up test cases, validate products, test research output, test data processes pipeline, and demonstrate products.	AT0051	On the pop-up window, the user selects the JSON and clicks the download to my device, the simulated dataset will be downloaded in the JSON, and a prompt window pops up to notify the download has finished.	✗				
	E 5.6	dataset to set up test cases, validate products, test research output, test data processes pipeline, and demonstrate products.	AT0052	On the pop-up window, the user selects the XML and clicks the download to my device, the simulated dataset will be downloaded in the XML, and a prompt window pops up to notify the download has finished.	✗				
		Given that the simulation is finished, the confirmation window pops out, when I click on the download to my device with the desired format, then the dataset will be downloaded, to my local device with the selected format(JSON or XML). I could use the dataset to set up test cases, validate products, test research output, test data processes pipeline, and demonstrate products.	AT0053	On the pop-up window, the user selects the JSON and clicks the download to my device, the simulated dataset will be downloaded in the JSON, and a prompt window pops up to notify the download has finished.	✗				
		dataset to set up test cases, validate products, test research output, test data processes pipeline, and demonstrate products.	AT0054	On the pop-up window, the user selects the XML and clicks the download to my device, the simulated dataset will be downloaded in the XML, and a prompt window pops up to notify the download has finished.	✗				
		Given that the simulation is finished, the confirmation window pops out, when I enter my API link and click push to my server, then the dataset will be directly pushed to the server through the API I entered. I could use the dataset to set up test cases, validate products, test research output, test data processes pipeline, and demonstrate products.	AT0055	On the pop-up window, the user enters their API to the text area, and clicks push to my server. A prompt window pops up to notify the push operation has finished.	✗				
	E 6.1	Given, when, then				✗			
		Given, when, then				✗			
		Given, when, then				✗			
E7	E7.1	Given that there is a list of datasets on the My DataSet page, when I select a dataset I want to visualise, then the configuration and details of the simulated data will be shown to me.	AT0056	When the user enters the homepage, the "My DataSet" button should display on the top navigation bar. The user should be directed to the My DataSet page when they click on the "My DataSet" button.	✗				
			AT0057	The dataset list should be displayed when the user enters the "My DataSet" page for selection. Viewing the dataset list, the user finds a dataset that they want to visualize. They then click the dataset. Then, the configuration setting and details of that dataset are displayed.	✗				
		Given that I want to visualize the details of one visible configuration, when I click on the visualize button, then I can see a diagram of this configuration after I confirm the diagram settings.	AT0058	The user selects "Oxygen Saturation" in the detailed configuration after selecting a dataset. The simulated data about the Oxygen Saturation is displayed at the bottom of the My DataSet page.	✗				
			AT0059	The user clicks the "Visualize" button, and the diagram setting pops up. After clicking the "confirm" button in the diagram setting. The diagram about the oxygen saturation is displayed at the centre of the screen.	✗				
		Given that I want to visualize the details of one invisible configuration, when I click on the visualize button, then a note will occur to remind me that it does not support a diagram view.	AT0060	The user selects "Prescription" in the detailed configuration after selecting a dataset. The simulated data about the Oxygen Saturation is displayed at the bottom of the My DataSet page.	✗				
			AT0061	The user clicks the "Visualize" button, the notification pops up and tells them the	✗				

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E8	E7.2	Given that I want to receive more simulated data of the Oxygen Saturation according to the trend line, when I set the range of the x-axis beyond the range in the database, then the simulated data will be automatically generated and shown on the diagram.		data type selected is not support the visualization.					
			AT0062	The user can edit the diagram setting after selecting "Oxygen Saturation" and clicking the "Visualize" button. The user enters the larger x range, and the data that is beyond the original x range is simulated in the diagram after clicking the "confirm" button.	✗				
	E8.1	Given, when, then				✗			
	E8.2	Given, when, then				✗			
	E9.1	Given that I have finished the simulation configuration for the product validation, when I click on the Start Generation button, then I can choose to save the simulated data to my device in the form of JSON or XML or push it to my server.	AT0063	The pop-up window is displayed after clicking the "Start Generation" button. Viewing the pop-up window, the user inputs the name of their simulated dataset, and they select the "JSON" and "XML" to save their dataset locally by clicking the "Save to My Device" button.	✗				
			AT0064	The server API address is generated for the user to view. The user clicks the "Push to My Server" button to push the dataset into the server API address.	✗				
	E9.2	Given that I have finished the simulation configuration for the pipeline test, when I click on the Start Generation button, then I can choose to save the simulated data to my device in the form of JSON or XML or push it to my server.	AT0065	The pop-up window is displayed after clicking the "Start Generation" button. Viewing the pop-up window, the user inputs the name of their simulated dataset, and they select the "JSON" and "XML" to save their dataset locally by clicking the "Save to My Device" button.	✗				
	E9.3	Given that I have finished the simulation configuration for testing the research output, when I click on the Start Generation button, then I can choose to save the simulated data to my device in the form of JSON or XML or push it to my server.	AT0066	The server API address is generated for the user to view. The user clicks the "Push to My Server" button to push the dataset into the server API address.	✗				
			AT0067	The pop-up window is displayed after clicking the "Start Generation" button. Viewing the pop-up window, the user inputs the name of their simulated dataset, and they select the "JSON" and "XML" to save their dataset locally by clicking the "Save to My Device" button.	✗				
			AT0068	The server API address is generated for the user to view. The user clicks the "Push to My Server" button to push the dataset into the server API address.	✗				

No labels