

Unit test plan

JS file	Tested code lines	Tested functions	Expected results	How to verify the expected result	Possible issues
Views/BillsUI.js	27 to 48	modal	The function should return a div with the 'Loading....' text	Load the bills page using the router and verify if the resulting HTML contains a loading section	Router may not work or go to a different page; The displayed page doesn't contain the right elements (loading..)
Views/BillsUI.js	50 to 57	sortBills	The function should sort the bills in chronological order	Instantiate a BillsUI object and populate it with the example bills. Retrieve them from the screen and make sure that they are sorted	Bills are not displayed or they are displayed in the wrong order
Views/BillsUI.js	26 to 92	BillsUI	The function displays all the bills	Instantiate a BillsUI object and populate it with the example bills. Retrieve them from the screen and make sure that it's displaying the same number of bills that we submitted	It can display less or no bills
Views/BillsUI.js	58 to 58	sortBills	If the date is invalid the function should return -1	Delete the date property from one of the bill objects and submit it to the BillsUI. It should not crash	It may crash in the sorting when the .date accessor is used and may not be defined.
Containers/ Bills.js	23 to 28	handleClickIconEye	The function should open a the 'modaleFile' modal	Create a mock function that calls the underlying handleClickIconEye and link it to the click on the eye element. Simulate a click on this one and expect that the function is called and that a modal element exists on the screen.	function may not be called; or it may not display the modal
Containers/ Bills.js	19 to 21	handleClickNewBill	The function should open the New Bill modal, with the tittle 'Send a fee'	Create a mock function that calls the underlying handleClickNewBill and link it to the click on the New Bill button. Simulate a click on this one and expect that the function is called and that an element containing the text "Send a fee" exists on the screen.	function may not be called; or it may not display the modal
Containers/NewBill.js	18 to 34	handleChangeFile	The function should change the image with the one that is submitted by the user	Create a mock function that calls the underlying handleChangeFile and link it to the click on the "Choose File: button. Simulate a change on this one and expect that the function is called and that the image name in handleChangeFile is the same to the submitted one.	File is not changed, filename is incorrect

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Containers/NewBill.js	23 to 28	handleChangeFile	The change file should accept only png/jpg/jpeg files	Create a mock function that calls the underlying handleChangeFile and link it to the click on the "Choose File: button. Simulate a change on this one with one invalid filename and expect that the ref function is not called	An invalid file may be accepted
Containers/NewBill.js	40 to 58	handleSubmit	The function should return a new pending bill	Create a mock function that calls the underlying newBill.handleSubmit and link it to the click on the Submit button. Ensure that the function is called and the return object is a bill that has a pending status and that the VAT percentage set to 20 (default).	It may not return a bill or its status could be non-pending