

## Scenario-based Financial Instrument Learning Tool

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**Date:** 25.03.22

**Version:** 1

<b>USE CASE NAME:</b>	Buy Stock	<b>USE CASE TYPE</b>  <b>Business Requirements:</b> <input type="checkbox"/>
<b>USE CASE ID:</b>	9	
<b>PRIORITY:</b>	High	
<b>PRIMARY BUSINESS ACTOR:</b>	User	
<b>OTHER PARTICIPATING ACTORS:</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>OTHER INTERESTED STAKEHOLDERS:</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	
<b>SHORT DESCRIPTION:</b>	The user purchases available stocks with their accumulated money.	
<b>PRE-CONDITION:</b>	The system is currently in a scenario. There is at least one instance of a stock present in the scenario. There is at least one timeline where the user has enough money to purchase at least one stock.	
<b>TRIGGER:</b>	The user clicks on a 'Buy stock' button.	
<b>TYPICAL COURSE OF EVENTS:</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The user selects a stock to buy in the drop down menu listing available stocks	
	<b>Step 2:</b> The user clicks on one of a selection of buttons indicating the volume intended to buy	<b>Step 3:</b> The system calculates the transaction fee proportional to value of stocks sold
		<b>Step 4:</b> The system checks that the user has sufficient cash to buy stocks
		<b>Step 5:</b> The system updates user portfolio information, increasing volume owned, decreasing cash flow, and changing average price bought in the chosen stock, and decreasing cash, adjusting net worth accordingly for the timeline
		<b>Step 6:</b> The system displays updated information to the user
<b>ALTERNATE COURSES:</b>	<b>Step 3-4:</b> If the user has clicked on the 'Buy max' button, the system needs to calculate the maximum amount the user can buy, and no longer needs to check for sufficient funds in the timeline.	
<b>CONCLUSION:</b>	The user has bought some stock and has thus decreased available cash in the timeline.	
<b>POST-CONDITION:</b>	The system has updated the user cash and stocks volume in the chosen active timeline.	
<b>BUSINESS RULES:</b>	N/A	
<b>IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:</b>	N/A	
<b>ASSUMPTIONS:</b>	N/A	
<b>OPEN ISSUES:</b>	N/A	