

CS3211 Project Progress Report

Group 5

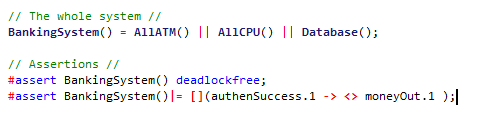
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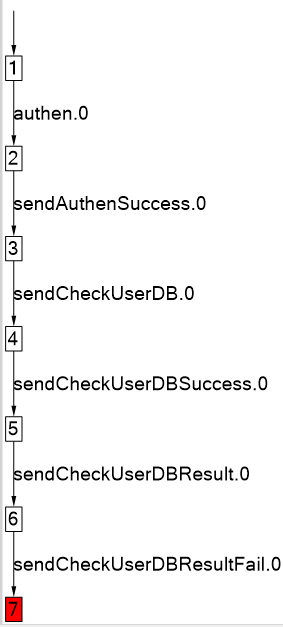
We have:

* Finish The CSP model for a deadlock free case that supports multi ATM to communicate with the cloud process and database process. We use synchronized actions for them to work in parallel.
* We have written assertion to check the system is deadlock free. And one assertion that if the ATM is successfully authorized, it is not guarantee that the money will come out.





* We have written a simple modification model to the process to introduce deadlock. The idea is that when the CPU request checking the user data to the Database, the result sent back is lost but CPU doesn’t handle timeout to send back the request again. The picture below is how the dead lock happen:



* The java code is being built although they are not completed yet.