FCBI

11/22/2021

CS 451R

Iteration 4 Report

For this iteration we've implemented a baseline notifications system, with user-set rules and notification triggers. The rules currently available for users to trigger alerts include setting a threshold for large transactions, out-of-state transactions, transactions after a certain time of day, and large spending trends over a period of days. The notifications are currently under their own tab on the webpage, but we're looking into implementing them as text message or email notifications as well. No more bugs have become apparent, so things are proceeding smoothly. In the next iteration, we plan on allowing deletion and editing of alert rules as well as implementing a display of the currently set rules.

For things that did not go well, we're still working on bringing up our unit test coverage, but now that we have all the classes fully instantiated this should be straightforward to implement. The previous database schema has been somewhat nebulous this iteration so test code would have been difficult to nail down. Some issues involving implementation of the notification rules table were encountered, but Alex was able to iron those out.