Replace PIN Card Extension Report

Saul van der Vies & Noël Keijzer

August 24th 2017

Total time spent: (combined)

Category 1: 3 hours 30 minutes
- Adding / modifying the required methods
- Testing
- Bug hunting / solving

Category 2: 15 minutes
- Extending the test suite with basic test methods

Category 3: negligible

Very little had to be changed for this extension. We had already implemented part of a communication chain for the removal of a PIN Card, we only had to update what we had to some changes made to the system overtime. After that we only had to add that a new PIN card was created directly after and returned (and the fees withdrawn from the customer's account).

There were no major obstacles or past decisions that worked against us.

Our system was able to very quickly be adapted to support the new functionality of this extension.

We made a minor design decision in opting to keep old PIN cards in the database.

We added a column in the database indicating whether a PIN card has been permanently deactivated or not, which is only updated when a card gets replaced.

When attempting to use a PIN card, the system now also checks if it has been deactivated first.

There is currently no way to reactivate a card within the system.