

## **SepTech New Payment Method**

- 20.1 User clicks UI element for “manage payment methods”.
- 20.2 Settings page GUI records user input.
- 20.3 Settings page controller loads manage payment methods page.
- 20.4 Settings page GUI displays payment method page UI.
- 20.5 User clicks UI element for “new payment method”.
- 20.6 Settings page GUI records user input.
- 20.7 Settings page controller creates text-boxes for payment information.
- 20.8 Settings page GUI displays payment info text-boxes.
- 20.9 User fills out UI elements.
- 20.10 Settings page GUI passes input.
- 20.11 Settings page controller records input.
- 20.12 DBMgr checks if payment method is already in the system.
- 20.13 Account table returns true or false depending on if the payment method is valid.
- 20.14 If true is returned, then
  - 20.14.1 DBMgr checks if payment method is credible.
  - 20.14.2 Visa database returns true or false depending on if the payment method is valid.
  - 20.14.3 If true is returned, then
    - 20.14.3.1 Account table saves payment method.
    - 20.14.3.2 Settings page controller creates a “successfully saved” msg.
    - 20.14.3.3 Settings page GUI displays msg.
  - 20.14.4 Else
    - 20.14.4.1 Account table passes method save failure.
    - 20.14.4.2 Settings page controller creates a “invalid payment method” msg.
    - 2.14.4.3 Settings page GUI displays msg.
- 20.15 Else
  - 20.15.1 Account table passes method save failure.
  - 20.15.2 Settings page controller creates a “invalid payment method” msg.
  - 20.15.3 Settings page GUI displays msg.

# SepTech/New Payment Method Sequence Diagram

