

# Topics for next meeting – 18/02-2021

## Changes from last meeting

- I've created a github (<https://github.com/Shrewbi/thesis-offline-transactions/>)
- I've written a brief introduction, see the thesis report (<https://github.com/Shrewbi/thesis-offline-transactions/blob/main/Thesis/thesis.pdf>)
- I've researched multiple research papers and written resumes for them (see <https://github.com/Shrewbi/thesis-offline-transactions/blob/main/Research/summaries>), but I need some help incorporating them in the thesis, to prepare for this I've created a simple structure (see thesis report) I'd like feedback on
- I'm currently working on comparing the different mobile payment services and how they differ, hope to be done before the meeting.

## This meeting

- Structure of thesis
  - I am currently very overwhelmed by what to include where, as such I'd like the following question answered: Which sections should be included and what should be described in each section
  - Currently I have a lot of resumes of related papers, however I'm unsure how I should include them naturally, the papers range as such:
    - Protocol implementations
    - History of payments,
    - Benefits and drawbacks of different types of payments
    - Requirements for an electronic payment system
    - Requirements for adoption
    - Definition of a mobile payment & generic concept
    - Mobile payment stakeholders
    - Mobile payment methods and location based methods (SMS, NFC, RFID, WAP/GPRS, ...)
    - Advantages and disadvantages of mobile payment systems
    - Elliptic-curve cryptography (used by EMV (VISA standard))
    - Cryptography (RSA vs ECC vs AES)

- Account-based vs Token-based
- Certification durations
- Adhoc networks
- Is there anything not already included in the report or above that you feel is missing in regards to the introduction and background & related work part?
- Discussion of pros and cons of mobile payment services (the comparison which can be found here: [https://github.com/Shrewbi/thesis-offline-transactions/blob/main/Research/mobile\\_payment\\_comparison.xls](https://github.com/Shrewbi/thesis-offline-transactions/blob/main/Research/mobile_payment_comparison.xls))
- Define goals for next meeting