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MSCS 630 Security Algorithms

Project -- Note Encrypter

Outline--

* Introduction
  + The problems of modern security
  + Applications not storing data encrypted
  + Attacks exposing data
* AES for Encryption
  + What AES
  + Proper AES technique
  + Keys and how to get them
  + Libraries to use AES for javascript
* Implementation and Test
  + AES for Text Documents or Messaging
  + Test data for implementation
  + Examples of storing the AES

GITHUB Project Dependencies

* Aes-js for AES 128 bit encryption
* Material UI for styling
* DynamoDB for database
* ReactJS for front end framework

References

Implementing AES -- <https://www-proquest-com.marist.idm.oclc.org/docview/1037271218?accountid=28549&pq-origsite=primo>

Keeping sensitive information under AES --

<https://www-proquest-com.marist.idm.oclc.org/docview/1949955708?pq-origsite=primo&accountid=28549>

IOT and Hackers --

<https://www-proquest-com.marist.idm.oclc.org/docview/1885619087/AE59A89CFB2F4169PQ/2?accountid=28549>

Image Encryption --

<https://csce.ucmss.com/cr/books/2018/LFS/CSREA2018/IPC4114.pdf>

AES for Messaging --

<https://marist.primo.exlibrisgroup.com/discovery/fulldisplay?docid=cdi_crossref_primary_10_1016_j_procs_2015_08_381&context=PC&vid=01MARIST_INST:01MARIST&lang=en&search_scope=MyInst_and_CI&adaptor=Primo%20Central&tab=Everything&query=any,contains,AES%20for%20messaging,AND&mode=advanced&offset=0>