CSC 560 Unit Two Notes

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MEAN Stack 🡪 a collection of JavaScript based technologies used to develop web applications. This encompasses full stack JavaScript

* M 🡪 MongoDB
  + A schemaless NoSQL database system. This saves data in binary JSON format which makes it easier to pass data between client and server
* E 🡪 ExpressJS
  + A lightweight framework used to build web applications in Node. Provides a number of robust features for building single and multi page web application.
* A 🡪 Angular JS
  + A JavaScript framework that provides solutions for rapid front end development. (Also provides things like two-way data binding)
* N 🡪 Node.js
  + Server side JavaScript execution environment. Helps in building highly scalable and concurrent application rapidly

MongoDB (its basically organized JSON)

* A cross-platform, document oriented database that provides high performance, high availability, and easy scalability. Works on the concept of collection and document
* Database 🡪 a physical container for collections, it gets its own set of files on the file system
* Table

  Description automatically generatedCollection 🡪 a group of MongoDB documents (equivalent to a table). These exist within a single database, but do not enforce a schema. Generally all documents within a collection are related
* Document 🡪 a set of key-value pairs