

**North South University**

**Department of Electrical & Computer Engineering**

**Course Code: CSE311.2**

TAO: Facebook’s Distributed Data Store for the Social Graph

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**Overview and Contributions:**

* TAO systems store information by replicating databases across many regions for faster and well-organized access.
* Interconnections among people, groups and organizations in a social network are shown graphically in TAO.
* They actuate and identify the workload to make it more efficient and available for reads which is 99.8% of the requests.
* In this system, it would check all the underlying nodes and edges of the event when a read or write request is made.
* Unfortunately, using TAO’s out-of-order convention increases the latency of the server.

**System implementation**:

* Tao uses sharding method which splits and stores a single logical dataset in multiple database.
* Tao uses Association Query API, Object API and, Association API to give users a better interface.

**Evaluation:**

* TAO requires much less space than Memcache and also is more efficient.
* To prevent query line blocking on multiplexed connections they use a convention with out-of-order responses.