Quality Requirements for USU Student App

* Quality requirements for Data Encryption

Functional Requirement:

The system shall encrypt all sensitive user information, including profile data (name, address, contact details), passwords and membership information.

Quality Requirement (Security):  
Sensitive information must be encrypted both in transit and at rest using industry-standard encryption protocols (e.g. TLS for transmission and AES for storage).

Rationale:

Protecting user data is essential to comply with privacy regulations and to maintain trust in the USU Student App. Without encryption, attackers could intercept or compromise user details

* Quality requirements for Event Information Management

Functional Requirement:  
The system shall allow users to view, search and interact with event information, including schedules, venues and participation options.

Quality Requirement (Availability and Reliability):

* Event information must be available with a system uptime of at least 99.5%.
* Updates to event data should be reflected in the app within 2 minutes of being added or modified by administrators.
* The system must maintain daily backups of event and membership data to support recovery in case of failure.

Rationale:

Students depend on the app for timely and accurate event information. High availability, responsiveness and reliability ensure the system remains useful for event planning and engagement.