# DAQ-Software-QTC

Check installation and install missing modules

Loading all modules and initialise all class objects

Show loading progress

Loading all init files and start writing log file

Loading status, Instruments, Log-file, ...

Connect to all instruments

Check instruments from input list (Query IDN)

Reject non listed instruments and close connection

Synchronised threads, connected via synchronised data exchange

Start GUI

Start measurement event loop

synchronised data exchange

Start event/order (measurement etc.)

Start requested order

Check if requierements are met (otherwise stop)

Updating data Plots

Start data taking and flushing data to file

Store data seperatly in GUI workframe

Load data from old files

Stop program event

Save current settings