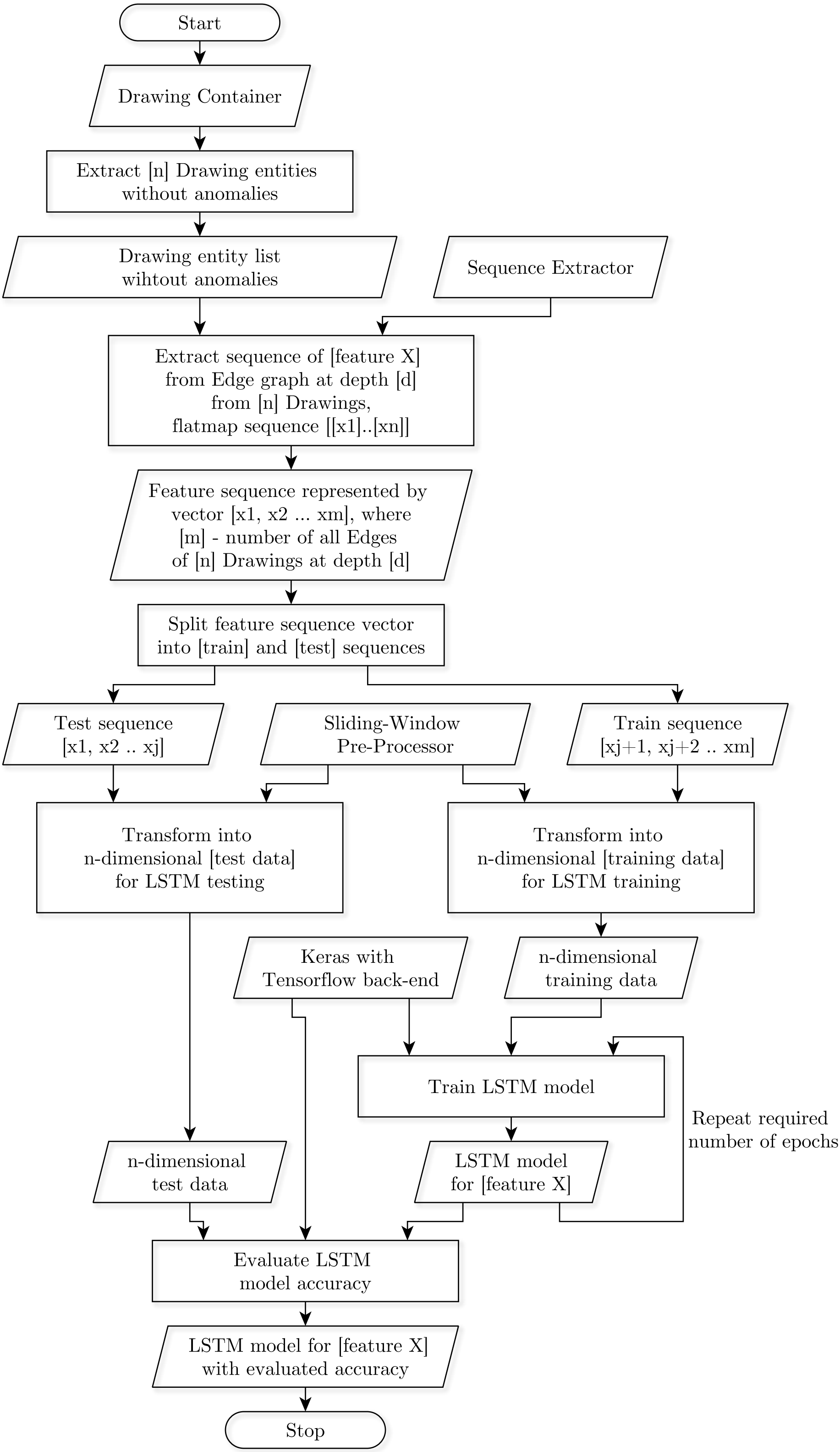
Start
Drawing Container
Extract [n] Drawing entities without anomalies
Drawing entity list wihtout anomalies
Sequence Extractor
Extract sequence of [feature X] from Edge graph at depth [d] from [n] Drawings, flatmap sequence [[x1]..[xn]]
Feature sequence represented by vector [x1, x2 ... xm], where [m] - number of all Edges of [n] Drawings at depth [d]
Split feature sequence vector into [train] and [test] sequences
Test sequence [x1, x2 .. xj]
Sliding-Window Pre-Processor
Train sequence [xj+1, xj+2 .. xm]
Transform into n-dimensional [test data] for LSTM testing
Transform into n-dimensional [training data] for LSTM training
Keras with Tensorflow back-end
n-dimensional training data
Train LSTM model
Repeat required number of epochs
n-dimensional test data
LSTM model for [feature X]
Evaluate LSTM model accuracy
LSTM model for [feature X] with evaluated accuracy
Stop