Low-Level Design Document

1. Preprocessing (src/preprocessing.py)

- load_and_clean_data(): Loads and merges CSVs, handles NaNs

- scale_data(): Normalizes selected numerical columns

2. Feature Engineering (src/feature_engineering.py)

- add_features(): Adds moving average and liquidity ratio

3. Model Training (src/model.py)

- train_model(): Trains a Random Forest model, evaluates, saves it

4. Streamlit App (app/app.py)

- Loads model, accepts user input, predicts liquidity ratio