Handling Errors in the Real World



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Module Overview



Compare error handling methods

- Primary benefits

Error handling frameworks

- Apply a basic template
- Message readability
- Business rules

Logging error messages

- Persisting to a table
- Using a stored procedure



Comparing RAISERROR and THROW

RAISERROR

Severity lower than 16

Use the with log option

Continue on with the batch

Use the with nowait option

Can raise system errors

THROW

Recommended by Microsoft

No need for an existing message id

Will terminate the batch

Accurate line number

No need for parameters

Actual error number





Basic error handling template

- Make it your own





Returning an actionable message

- Check constraint





Enforcing business logic

- Inactive sales people

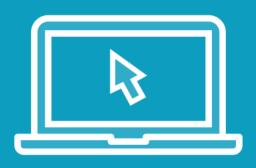




Row count mismatch

- Stop and rollback the transaction





Creating an error logging table

Creating our error logging stored procedure



What We Covered



Why even care about error handling

- Planning for failure
- Three ways of controlling for the unknown

Why transactions are important

- Three types of transactions

Error message components

Discussed two ways to raise exceptions

- RAISERROR
- THROW

Solved problems



Thank You for Watching!

