

# AutoNexa's car loan calculator

DATA VALIDATION IN EXCEL



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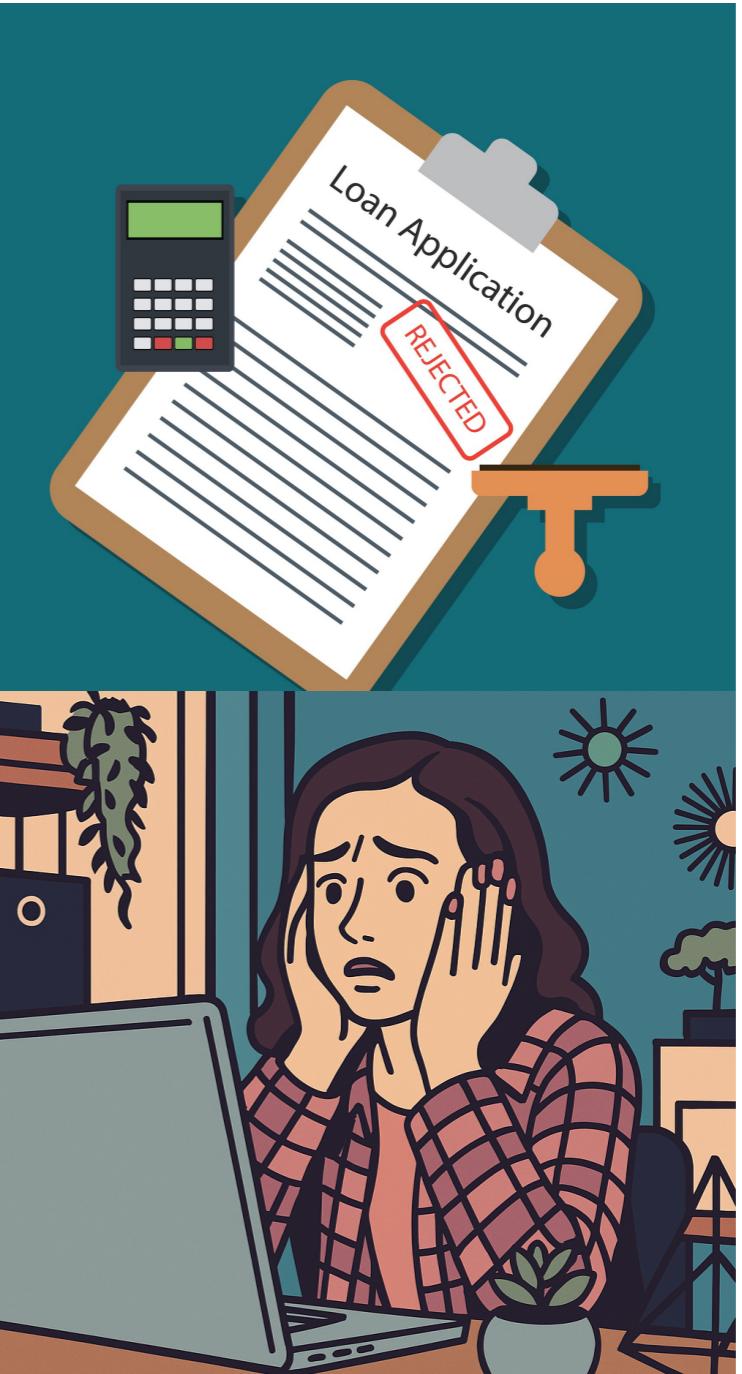
# AutoNexa Motors

- Car Dealership
- New and pre-owned cars



# Problem

- Inconsistent or inaccurate loan estimates
- Manual data entry errors



# Problem Examples

Examples:

- Typos in Vehicle Identification Numbers (VIN)
- Unrealistic Annual Percentage Rates (APR) rates
- Payment terms outside company policies

# Solution: Data Validation

You need to :

- Redesign the company's car loan calculator
- User-friendly tool
- Enforce business logic through data validation in Excel

# A reminder on Data Validation Steps in Excel

1. Define clear validation rules based on business requirements.
2. Implement these rules using Excel's Data Validation tools.
3. Test your validations by deliberately entering invalid data.
4. Finalize the calculator to ensure it guides users clearly and consistently.

# Project outcomes



# **Let's practice!**

**DATA VALIDATION IN EXCEL**

# Enhancing the calculator

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# AutoNexa's car loan calculator specifications

- Ensure the sales team never enters invalid data again
- VIN (Must be 17 characters)
- Maker, Color... etc
- Years (Between 2000-2025)

# **Let's dive in!**

**DATA VALIDATION IN EXCEL**

# Course wrap-up

DATA VALIDATION IN EXCEL



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# Chapter 1

- What Data validation is and why it's vital for error free spreadsheets.
- Excel's Data Validation tools



# Chapter 2

- Built a car loan calculator
  - Custom formulas, APRs, VIN...
- Created user-friendly error messages to guide input.
- Structured tool



# Future courses in Excel

- Financial Modeling in Excel

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# Congratulations!

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