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# generate_slides.py
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# Script to create a PowerPoint deck (Output.pptx) from Input.xlsx
# Each row in the Excel file represents one slide.
# Columns required: Slide Number | Slide Title | Slide Bullets | Speaker Notes
# Bullets are separated by semicolons (;)
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from pptx import Presentation
from pptx.util import Inches, Pt
import pandas as pd

# Load Excel file
df = pd.read_excel("Input.xlsx")

# Create a new PowerPoint presentation
prs = Presentation()

# Choose the "Title and Content" layout (usually index 1)
layout = prs.slide_layouts[1]

for _, row in df.iterrows():
    # Add a new slide
    slide = prs.slides.add_slide(layout)

    # Set the slide title
    title_shape = slide.shapes.title
    if pd.notna(row["Slide Title"]):
        title_shape.text = str(row["Slide Title"])
    else:
        title_shape.text = ""

    # Add bullet points
    content_shape = slide.placeholders[1]
    text_frame = content_shape.text_frame
    text_frame.clear()

    if pd.notna(row["Slide Bullets"]):
        bullets = [b.strip() for b in str(row["Slide Bullets"]).split(";") if
b.strip()]
        for i, bullet in enumerate(bullets):
            if i == 0:
                p = text_frame.paragraphs[0]
            else:
                p = text_frame.add_paragraph()
            p.text = bullet
            p.level = 0
            p.font.size = Pt(20)

    # Add speaker notes

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    notes_slide = slide.notes_slide
    notes_text = str(row["Speaker Notes"]) if pd.notna(row["Speaker Notes"]) else ""
    notes_slide.notes_text_frame.text = notes_text

# Save the new presentation
output_filename = "Output.pptx"
prs.save(output_filename)
print(f"Presentation generated successfully: {output_filename}")
```