import streamlit as st

from openpyxl import load\_workbook

# Excelファイル操作

def write\_to\_excel(file\_path, sheet\_name, cell, value):

try:

wb = load\_workbook(filename=file\_path, keep\_vba=True)

ws = wb[sheet\_name]

ws[cell] = value

wb.save(file\_path)

except Exception as e:

raise RuntimeError(f"Excelファイルの書き込み中にエラーが発生しました: {e}")

finally:

wb.close()

def read\_from\_excel(file\_path, sheet\_name, cell):

try:

wb = load\_workbook(filename=file\_path, data\_only=True, keep\_vba=True)

ws = wb[sheet\_name]

value = ws[cell].value

return value

except Exception as e:

raise RuntimeError(f"Excelファイルの読み取り中にエラーが発生しました: {e}")

finally:

wb.close()

# Streamlitアプリ

def main():

st.title("Webアプリ ⇔ Excel 連携")

excel\_path = "rennsyuu.xlsm"

sheet = "Sheet1"

# 項目リスト

categories = ["認知力・操作", "言語理解", "表出言語"]

# 選択肢リスト

options = ["0〜3か月", "3〜6か月", "6〜9か月", "9〜12か月"]

# 項目選択

selected\_category = st.selectbox("項目を選択してください:", categories)

# 選択肢選択

selected\_option = st.radio("該当する選択肢を選んでください:", options)

if st.button("Excelに書き込む"):

try:

# A3セルに項目、A4セルに選択肢を書き込む

write\_to\_excel(excel\_path, sheet, "A3", selected\_category)

write\_to\_excel(excel\_path, sheet, "A4", selected\_option)

st.success("項目と選択肢がExcelに書き込まれました！")

except RuntimeError as e:

st.error(f"エラー: {e}")

if st.button("Excelの答えを取得"):

try:

# A5セルの値を取得して表示

result = read\_from\_excel(excel\_path, sheet, "A5")

st.write(f"Excelの答え: {result}")

except RuntimeError as e:

st.error(f"エラー: {e}")

if \_\_name\_\_ == "\_\_main\_\_":

main()