SPŠE Ječná Test Case

Test Case ID: GUI_RUN_APP_01	Test Designed by: Martin Říha
Test Name: Application Launch & Model Loading	
Brief description: Verify that the GUI application can launch correctly and load all pre-trained models and encoders.	
Pre-conditions: 1. Python environment is correctly set up. 2. Required pickle files (my_lr_model.pkl, my_rf_model.pkl, my_nn_model.pkl, my_label_encoders.pkl) exist in the specified directories.	
Dependencies and Requirements: Python 3.8+, Tkinter, pickle	

Step	Test Steps	Test Data	Expected Result	Notes
1	Navigate to GUI directory (gui/src)	None	Terminal located at the correct path	
2	Run python app.py	None	GUI window launches without errors	
3	Check terminal output	None	"Linear Regression loaded..."	
4	Check GUI main window	None	Dropdowns loaded, models selectable	

Expected Outcome: The application starts correctly, models and encoders load, and the main window with dropdowns is displayed without errors.