

## SPŠE Ječná Test Case

<b>Test Case ID:</b> GUI_MAIN_FUN_02	<b>Test Designed by:</b> Martin Říha
<b>Test Name:</b> Predicting Prices with Different Models	
<b>Brief description:</b> Verify main functionality where users select attributes and predict prices using each loaded model (LR, RF, NN).	
<b>Pre-conditions:</b> 1. GUI application running. 2. Models correctly loaded.	
<b>Dependencies and Requirements:</b> Tkinter GUI interaction	

Step	Test Steps	Test Data	Expected Result	Notes
1	Select "Linear Regression" from model dropdown	Linear Regression	Model dropdown updates successfully	
2	Set valid attributes via GUI dropdowns	CPU: Intel i7, RAM: 16 GB, etc.	Dropdown selections accepted	
3	Click "Predikuj Cenu" button	Click action	Price displayed clearly in GUI	
4	Repeat steps 1-3 with "Random Forest"	Random Forest	Successful prediction	
5	Repeat steps 1-3 with "Neural Network"	Neural Network	Successful prediction, adjusted as needed	NN predictions x100

**Expected Outcome:** Each model predicts a realistic price based on provided attributes, displayed accurately on GUI.