



Bank Model Challenge – Rubric & Summary

Bank Model -Start Notebook

Start with the baseline model accuracy- use the Start Python Notebook [Download this notebook]

[BankModel Challenge TeamActivity.ipynb](#)

This simulation mirrors real-world ML deployment workflows used in tech companies and startups.



What You will Build

- ✓ (You completed this step in the previous Lab)-Build a machine learning pipeline to classify customers based on features like age, job, and balance.
- ✓ A trained model serialized using pickle (`model.pkl`).
- ✓ A Flask API exposing the model through an HTTP endpoint.
- ✓ A local app interface for entering inputs and viewing predictions.
- ✓ Real-time predictions powered by your deployed ML logic.



Evaluation Rubric

Each team will be evaluated based on the following criteria:

Criteria	Points	Description
Model Accuracy Improvement	3 pts	Your model's accuracy exceeds 0.8707 baseline.
Best Accuracy in Class	2 pts	Top scoring team earns additional points.
Application Customization	3 pts	The Flask app interface was modified with creativity or improved UI.
Code Quality and Documentation	1 pt	Well-commented code with clear explanations of steps.
Submission Completeness	1 pt	Includes both notebook and app screenshot.
Total	10 points	

