BANK-STATEMENT-EXAMPLE-FREE BANK STATEMENT

ML MODEL ANALYSIS

Key Observations:

- 1. Stable & Growing Income:
 - September: £1,010
 October: £2,380
 November: £2,030
 - Consistently high income is a positive indicator for loan approval.
- 2. Manageable Debt-to-Income Ratio (DTI):
 - o DTI is below critical risk levels.
 - September: 1.06% (Low Risk)
 October: 0.23% (Very Low Risk)
 November: 1.08% (Low Risk)
 - All values are below 40%, indicating strong financial stability.
- 3. Savings Growth Trend:
 - October shows +99.08% savings growth → Very strong improvement.
 - November has -6.98% savings decline, but it remains within safe limits.
 - Overall, savings trend remains stable.
- 4. Loan Decision:
 - Value Loan approved in all three months.
 - o Based on high income, controlled expenses, and positive savings trend.

3. Detailed Factor Analysis

Factor 1: Income & Cash Flow

- Stable Income Growth:
 - o Income grew from £1,010 in September to £2,380 in October.
 - November remained steady at £2,030.
 - Verdict: V Strong income flow supports loan approval.

Factor 2: Expenses & Spending Habits

- Total Expenses:
 - September: £1,070.11

- o October: £546.78 (Controlled)
- November: £2,184.59 (Higher, but manageable)
- Verdict: Expenses are well-managed relative to income.

Factor 3: Net Savings Trend

- September → October: +99.08% savings growth.
- October → November: -6.98% savings decline.
- Verdict: V Positive trend overall, ensuring financial stability.

Factor 4: Debt-to-Income Ratio (DTI)

- September: 1.06% (Very Low Risk)
- October: 0.23% (Extremely Low Risk)
- November: 1.08% (Very Low Risk)
- Verdict: Very strong financial position for loan eligibility.

4. Loan Approval Model & Decision

- Machine Learning Model Verdict: Loan Approved for all months.
- Primary reasons for approval:
 - Stable and growing income.
 - Low debt-to-income ratio.
 - Positive savings trend.
 - Manageable expenses.

5. Conclusion

- 🔽 Loan Approved Due to Strong Financial Stability 🔽
- 📌 Key Takeaways:
 - 1. Well-managed income and expenses support loan eligibility.
 - 2. Low DTI and stable savings trends strengthen approval chances.
 - 3. Future improvements:
 - Maintain positive savings growth to avoid decline.

Continue managing expenses below 70% of monthly income.

ANALYSIS CONSIDERING DIFFERENT FACTORS

Income & Cash Flow Analysis

Based on the transaction data:

• Total Income: £3,840.00

• Number of Income Transactions: 7

• Monthly Income Distribution:

September 2019: £50.00
 October 2019: £1,750.00
 November 2019: £2,040.00

Conclusion:

- 1. Inconsistent Income Flow:
 - The income varies significantly from month to month.
 - September shows almost no income (£50), while October and November have higher credits.
 - This suggests either irregular earnings (e.g., freelancing or contract-based work) or sporadic deposits from external sources.
- 2. Low Number of Transactions:
 - Only 7 income transactions over 3 months is relatively low.
 - o If these are salary deposits, they should ideally be consistent and predictable.
 - A stable, recurring income pattern is preferable for loan eligibility.
- 3. Potential Loan Risk:
 - o Banks prefer steady, recurring income sources (e.g., monthly salaries).
 - o The lack of income in September might indicate financial instability.
 - If this income is from freelance or business sources, additional proof of earnings (such as contracts or tax returns) may be required.
