

Model Development Phase Template

Date	17 June 2025
Team ID	SWTID1749662491
Project Title	Online Payments Fraud Detection using Machine Learning
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Step	Represents a unit of time where 1 step equals 1 hour	Yes	It helps to know when the transaction happened.
Type	Type of online transaction	Yes	Different types of transactions may have different chances of being fraud.
Amount	The amount of the transaction	Yes	Big or unusual amounts can be a sign of fraud.

nameOrig	Customer starting the transaction	No	It's just a unique ID and doesn't help in finding fraud.
oldbalanceOrg	Balance before the transaction	Yes	Helps to see if the sender had enough money before the transaction.
newbalanceOrig	Balance after the transaction	Yes	Helps to check if the money was taken out correctly.
nameDest	Recipient of the transaction	No	It's just a unique ID and doesn't help in finding fraud.
oldbalanceDest	Initial balance of recipient before the transaction	Yes	Helps to see if the receiver usually gets money or if something looks unusual.
newbalanceDest	The new balance of recipient after the transaction	Yes	Helps to check if the money was added to the receiver's account.
isFraud	Fraud transaction	No	This is what we're trying to predict, so we use it only to check how good the model is.