

**Model Development Phase Template**

| Date | 15 July 2024 |
| --- | --- |
| Team ID | team-740084 |
| Project Name | Online Payments Fraud Detection |
| 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.

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| --- | --- | --- | --- |
| Feature | Description | Selected(yes/No) | Reasoning |
| step | Time step of the transaction | No | Not relevant for prediction. |
| type | Type of transaction (e.g., payment, transfer) | Yes | Different types may have different fraud patterns. |
| amount | Amount of the transaction | Yes | High amounts may be more susceptible to fraud. |
| nameOrig | ID of the origin account | No | Specific IDs are not relevant, can be anonymized. |
| oldbalanceOrg | Initial balance of the origin account | Yes | Large differences may indicate suspicious activity. |
| newbalanceOrig | New balance of the origin account | Yes | Large differences may indicate suspicious activity. |
| nameDest | ID of the destination account | No | Specific IDs are not relevant, can be anonymized. |
| oldbalanceDest | Initial balance of the destination account | Yes | Large differences may indicate suspicious activity. |
| newbalanceDest | New balance of the destination account | Yes | Large differences may indicate suspicious activity. |
| isFraud | Indicator if the transaction is fraudulent | Yes | Target variable for predictive modeling. |
| isFlaggedFraud | Indicator if the transaction was flagged as fraud | Yes | Provides additional context on fraud detection. |