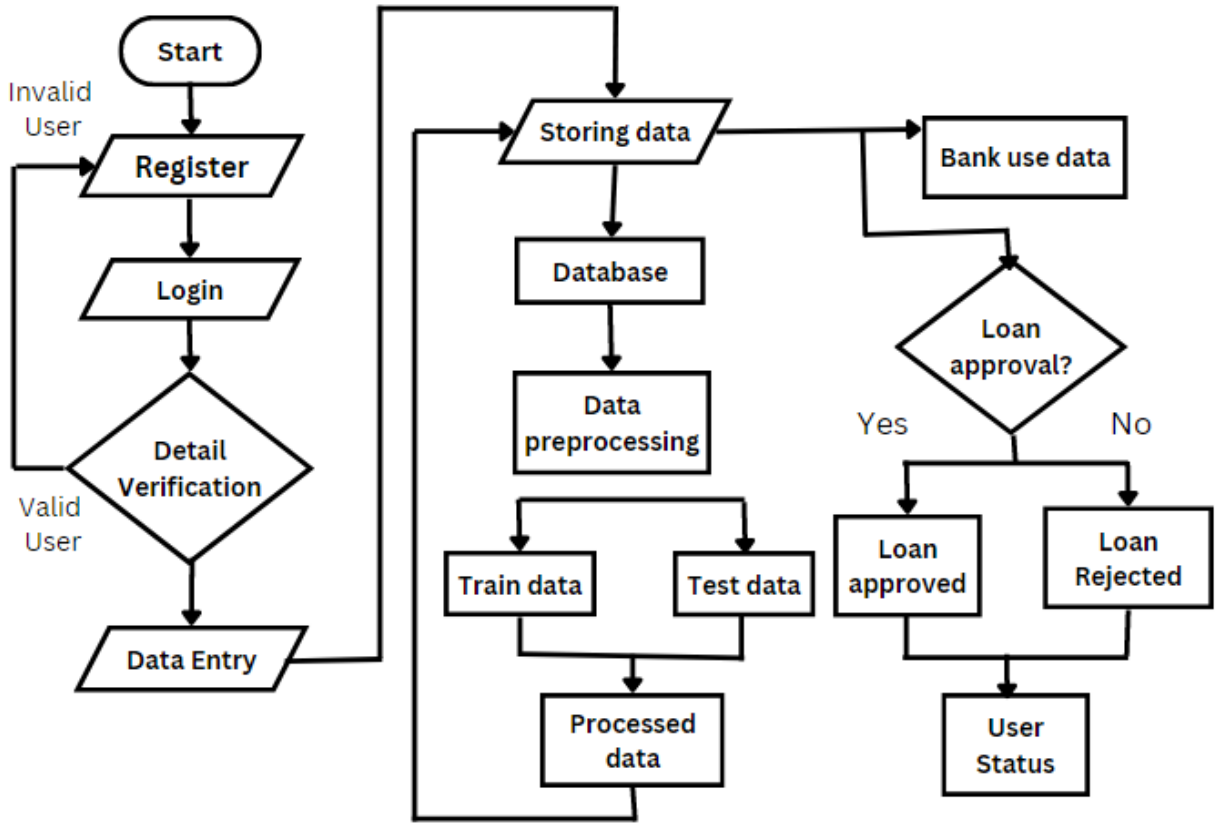
SMART LENDER-APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL

PROJECT FLOW

TEAM ID	PNT2022TMID27218
PROJECT NAME	SMART LENDER-APPLICANT CREDIBILITY PREDICTION FOR LOAN APPROVAL

Project Flow:



Step 1: Installing Required Libraries

Step 2: Data Collection

- Collect the dataset (loan_prediction.csv)

Step 3: Data Preprocessing

- Import the necessary libraries
    1. Pandas
    2. Numpy
    3. Pickle
    4. Matplotlib
    5. Seaborn
    6. Sklearn
- Importing the dataset.
- Understanding the data information
- Checking the missing values
- Data visualization.
- Scaling the data
- Splitting the data into Train data and Test data.

Step 4: Model Building

- Decision Tree Model
- KNN Model
- Random Forest Model
- Xgboost Model
- Comparing the model performance
- Evaluate performance of the model and saving the model.

Step 5: Application Development

- Building the Web pages(HTML,CSS)
- Build Python Code
- Run the application

Step 6: User Interface

- Create Dashboard
- Dashboard of the flask app
- Connect Web pages

Step 7: Training model on IBM

- Creating the IBM Cloud account
- Training the model on IBM
- Flask integration with scoping end point.

Step 8: Result

- Predict loan eligible or not
- Shows the status for the applicant.