PERSONAL LOAN APPROVAL USING MACHINE LEARNING

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INTRODUCTION

OVERVIEW

- Loans are the core buisness of banks .The main profit comes directly from the loan interest.
- The loan companies grant a loan after an intensive process of verification and validation.
- However,they still dont have assurance if the applicant can replay the loan with no difficulties.
- This can help financial institutions to make more informesd decisions

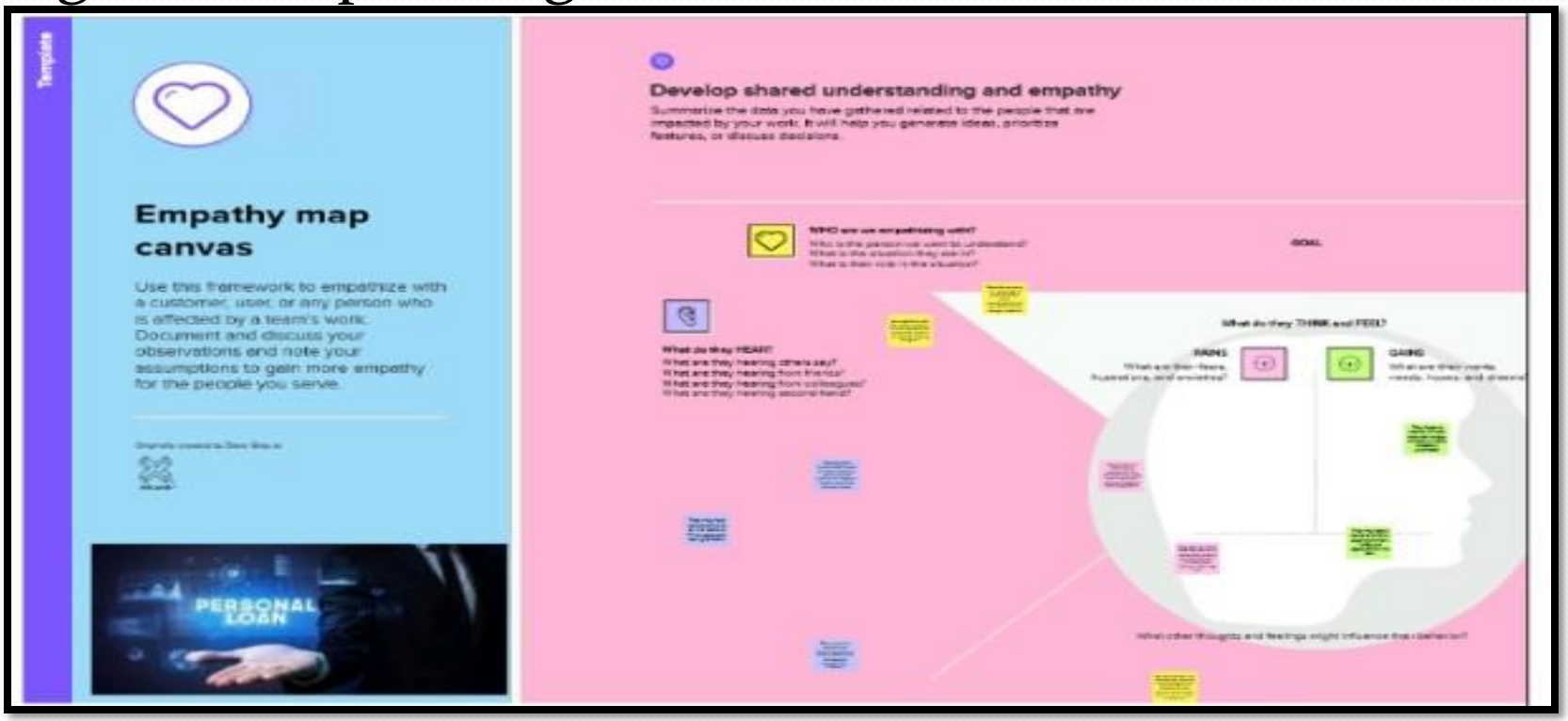
purpose

- Construction of house
- Purchase of ready-build house and flat
- Additional construction and Renovation of existing house
- To provide for child's loan
- For understanding the professional course loan
- Finance your New bussiness
- Medical expenses

PROBLEM DEFINITION & DESIGN THINKING

EMPATHY MAP

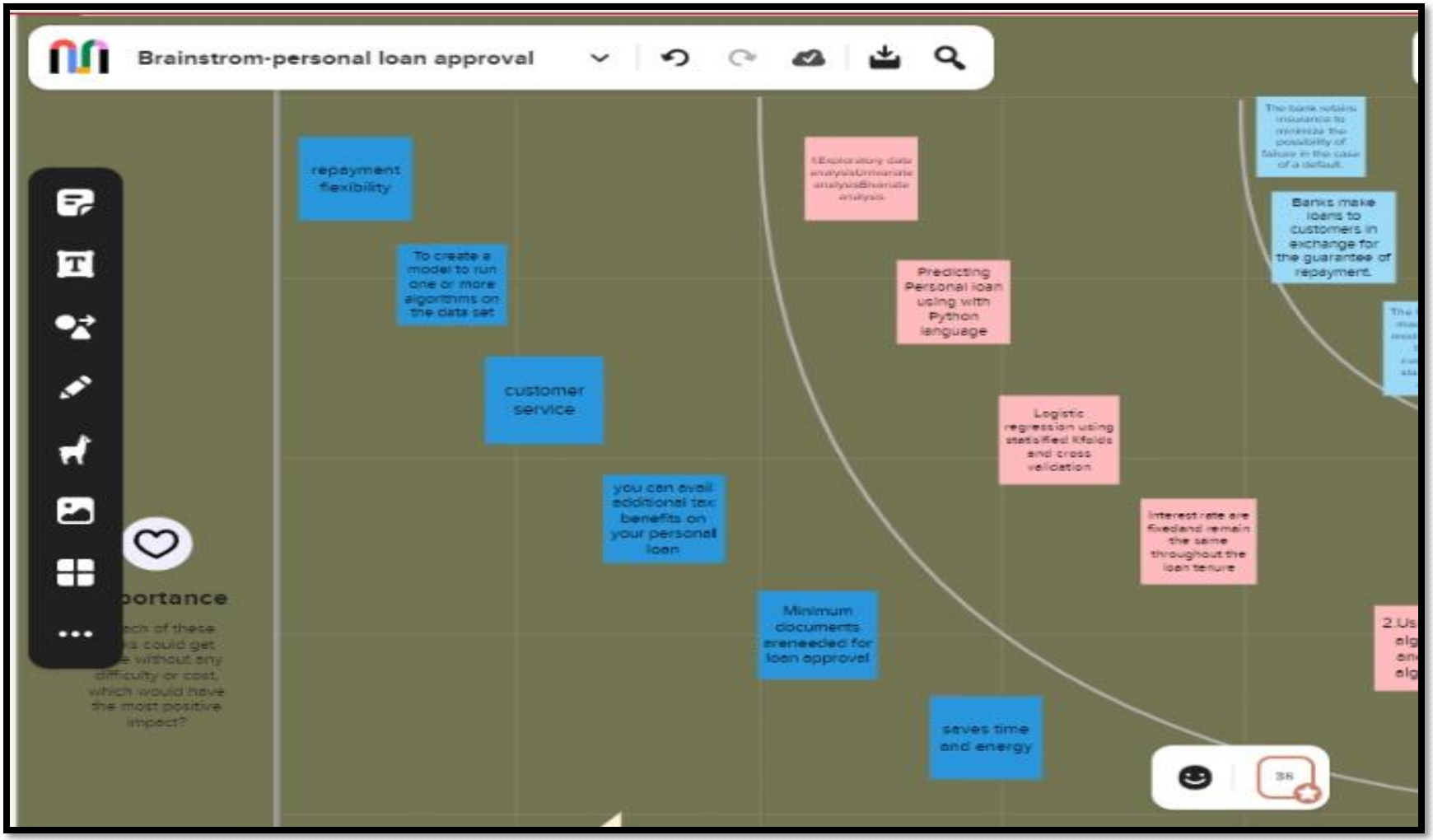
An empathy map is a collaborative tool terms can use to gain a deeper insight into their customers



Ideation and brainstroming map

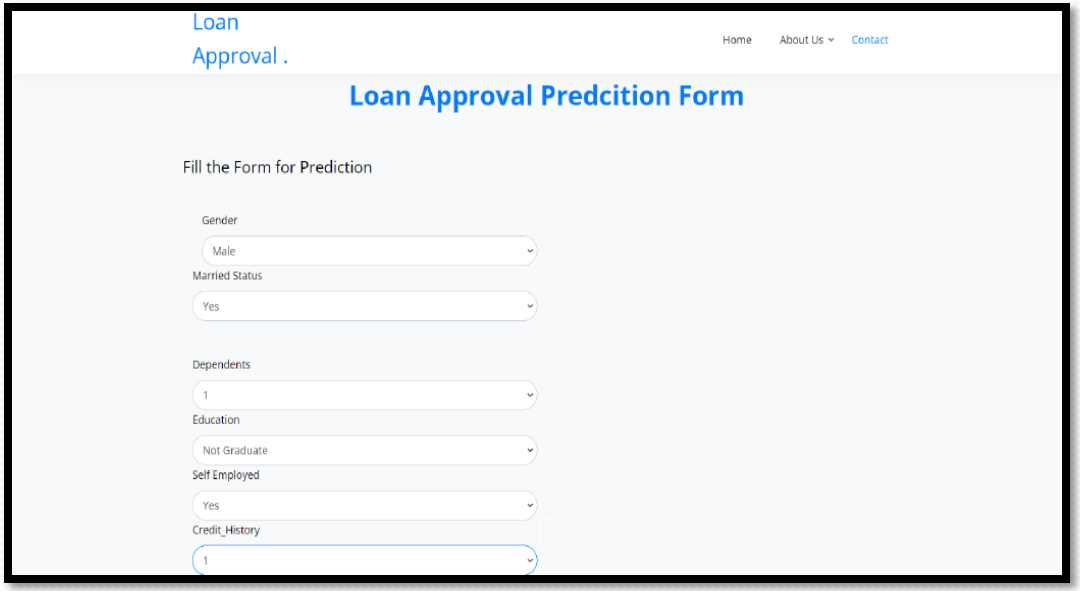
- Ideation is the process of genarating ideas on one or more subjects in a creative,open enviroment
- This is a powerful method at any stage of devlopement process
- Product terms can take advantage of ideation session to collaborate and stimulate their creativity

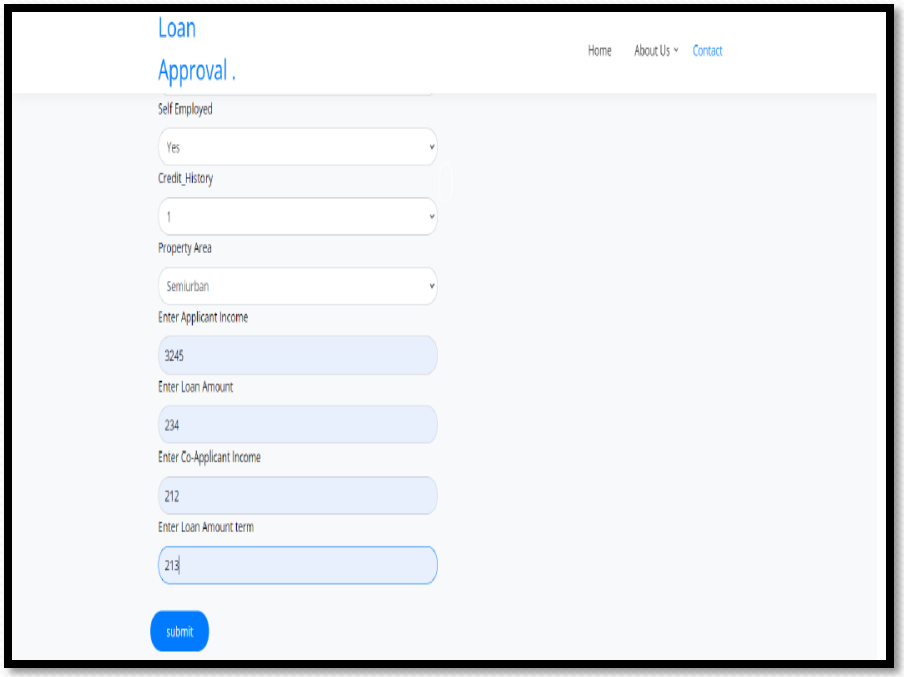
Brainstroming map



Result

- Open anaconda prompt for the start menu
- Navigate to the folder where your python script is
- Now type the “python app.py” command
- Navigate to the local host where you can view your web page

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Contact
Self Employed
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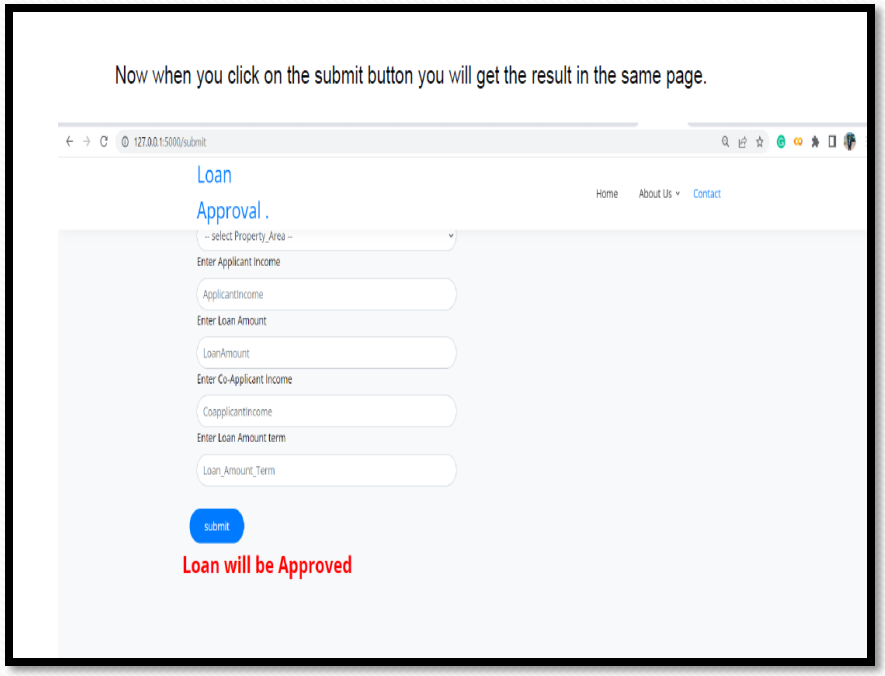
Now when you click on the submit button you will get the result in the same page.
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Loan
Approval .
Home
About Us
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-- select Property_Area --
Enter Applicant Income
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Enter Loan Amount
LoanAmount
Enter Co-Applicant Income
Coapplicantincome
Enter Loan Amount term
Loan_Amount_Term
submit
Loan will be Approved

advantages

- There have been number of cases of input glitches,human errors in content while filling it manually while in automated prediction system is more secure,reliable

- Machine learning increases the accuracy compare to old traditional system and results get displayed in polar format (yes on no

DISADVANTAGE

- Loans are not very flexible you could be paying interest on funds your are not using
- High fees and interest rate
- Short repayment course
- Vague terms and condition

application

- Collecting data of the previous granted and non granted customers
- Cleaning and filtering data according to the requirement
- Selecting features on the basis of the relation with loan approval
- Training our models with the help of ML algorithm
- Test our model on testing data

conclusion

- A system called the loan credibility prediction system that helps the organization in making right decision to approve or reject the loan request of the customer

Future scope

- The future scope of predicting personal loan approval is promising as advancements in technology and data analytics continue to shape the lending landscape
- The availability of large volumes of data commonly known as big data,presents new oppurtunity for predicting personal loan approvals
- Overall the features scope of predicting personal loan approval is promising with advancement in technology and data analyticals expected to revolutionalize the lending industry