PROJECT REPORT

AI BASED DISCOURSE FOR BANKING INDUSTRY

Team ID: PNT2022TMID40098

Batch: B4-4M6E

PRIYADARSHINI ENGINEERING COLLEGE

TEAM LEADER:

Name: SADAIN ABDULLAH N

Register Number: 511919104014

TEAM MEMBERS:

Name: EARNEST WESLEY S

Register Number: 511919104005

Name: ZAHEEB AFNAN A

Register Number: 511919104025

Name: YASHIKA U

Register Number: 511919104026

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1. INTRODUCTION

1.1. **Project Overview**

Chatbots are the biggest development today. They play vital role from start-up's to enterprises and help user to simplify their work. Banking sector has seen tremendous growth in the recent years due to the advancement in technology. But the customer could not visit bank anytime, though they visit bank they have to stand in long queue for hours and the processing fee makes customer more frustrated. To overcome this scenarios Banking website are associated with banking Chatbots. They facilitate customer and guide user throughout the queries in the process, provides high customer satisfaction and enhance user experience and resolves customer queries actively.

1.2. **Purpose**

The main purpose of the chatbot is to resolve user queries instantly at any time. Our chatbot(socio) provides services such as instant solution regarding loan queries, net banking, savings account, and so on. also provides 24/7 support, personalization, alerts, and remainders to the user. These chatbots basically developed to reduce the processing fee and to reduces the user visiting banks frequently for simple queries.

2. **LITERATURE SURVEY**

2.1. **Existing problem**

1. Conversation to Automation in Banking Through Chatbot Using Artificial Machine Intelligence Language - June - 2020

Authors: Sasha Fathima Suhel; Vinod Kumar Shukla; Sonali Vyas; Ved Prakash Mishra

Artificial Machine Intelligence is a very complicated topic. It involves creating machines that are capable of simulating knowledge. This paper examines some of the latest AI patterns and activities and then provide alternative theory of change in some of the popular and widely accepted postulates of today. Based on basic A.I. (Artificial Intelligence) structuring and working for this, System-Chatbots are made (or chatter bots). The paper shows that A.I is ever improving. As of now there isn't enough information on A.I. however this paper provides a new concept which addresses machine intelligence and sheds light on the potential of intelligent systems. The rise of chatbots in the finance sector is the latest disruptive force that has changed the way customers interact.

2. Artificial Intelligence in Banking: A Study Based on Sbi - Sia Virtual Assistant - July - 2022

Authors: Shanimon S; Seena Mary Mathew

Artificial intelligence (AI) is now widely acknowledged as one of the most important digital transformation enablers across a significant number of industries. Artificial intelligence (AI) has the potential to facilitate enterprises. become more imaginative, versatile, and adaptable than they have ever been. AI is already being applied to enhance productivity and competitiveness while also driving digital transformation in a range of organizations. AI is supporting Indian banks in upgrading their operations across the board, from accounting to sales to contracts and cybersecurity. This is a case study based on virtual assistant of SBI-SIA. Recent developments and emergence of virtual banking and the trends in the modern banking systems explained in this study.

3. Theory and application of artificial intelligence in financial industry - June 2021

Authors: yuxin li; Duanxiang peng

Al technology has developed rapidly and has been widely used in all walks of life. In the financial industry, the application of Al technology in risk control, marketing, customer service, transaction, operation, and product optimization of financial institutions is becoming increasingly mature, and some new business models have been created. Starting from the application status and significance of Al in the international financial field, this paper expounds on the application, status quo, and development trend of Al in the financial industry.

4. Text-Based Chatbot in Financial Sector: A Systematic Literature - July - 2022

Authors: Sintayehu Zekarias Esubalew Firesew Fayiso Weldesellasie and Taye Girma Debelee

Text-based chatbots are implemented in the financial sector to enhance the relationship between the customer and services provided by the sector, and also to address external challenges and customer requirements. The chatbot technology in the financial sector serves to examine customers' frequently asked questions and the representation of the process using machine learning. In light of this, this study presents a comprehensive systematic literature review of articles focused on text-based chatbots in the financial sector. It describes the understanding of chatbots in the financial sector in terms of implementation, adoption intention, attitude toward use and acceptance.

5. Artificial Intelligence for Futuristic Banking - June - 2021

Authors: Moksha Thisarani; Subha Fernando

Artificial Intelligence (AI) has become an essential resource for large banks that deal with regulatory changes, new Anti-Money Laundering (AML) obligations and vulnerable fraud-prone clients. Cybersecurity has thus become a hot topic due to security failures using traditional methods and concerns about how companies use the personal data collected from clients or their regular users. The most obvious apparent reason why cybersecurity is critical in banking sector transactions is to protect client assets with a high level of data privacy. The main approaches in the front office conventional banking such as AI chatbots, smart virtual assistants and biometric user authentication are discovered to answer security challenges and to enhance prosperity in the field. Concurrently, advanced AI applications in fraud detection, fraud risk monitoring, anti-money laundering techniques and cross-border payments handling are observed under the back-office operations.

6. A STUDY OF APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN BANKING AND FINANCE SECTOR - May 2022

Author: Dr. Lakshkaushik Dattatraya Puri

The rudimentary applications AI include bring smarter chat-bots for customer service, personalizing services for individuals, and even placing an AI robot for self-service at banks. Beyond these basic applications, banks can implement the technology for bringing in more efficiency to their back-office and even reduce fraud and security risks. This paper focuses on the application of Artificial Intelligence in the banking sector.

S.No	Project name	Description	Author	Year	Reference
1	Conversation to Automation in Banking Through Chatbot Using Al	Examines some of the latest Al Sasha patterns and activities and then provides alternative theory of change Shukla, Sonali Vyas, Ved Prakash Mishra		Jun-2020	Click here
2	Artificial intelligence in banking: a study based on sbi-sia virtual assistant	This is based on virtual assistant of SBI-SIA. Recent developments and emergence of virtual banking and the trends in the modern banking systems	Shanimons,See na mary mathew	July-2022	Click here

3	Theory and application of artificial intelligence in financial industry	The AI neural network theory and illustrates the wide application of AI in the financial market	Yuxin li, Duanxiangpeng	Jun-2021	Click here
4	Text-Based Chatbot in Financial Sector: A Systematic Literature	Financial sector serves to examine customer's frequently asked questions and the representation of the process using machine learning	SintayehuZekaria sEsubalew, FiresewFayisoWe Idesellasie and Taye GirmaDebelee	Jul-2022	Click here
5	Artificial Intelligence for Futuristic Banking	Approaches in the front office conventional banking	Moksha Thisarani; Subha Fernando	Jun-2021	Click here
6	Study of applications of artificial intelligence in banking and finance sector	smarter chat-bots for customer service, personalizing services for individuals smarter chat-bots for customer service, personalizing services for individuals smarter chat-bots for customer service, personalizing services for individuals smarter chat-bots for customer service, personalizing services for individuals smarter chat-bots for customer service, personalizing services for individuals smarter chat-bots for customer service, personalizing services for individuals smarter chat-bots for customer service, personalizing services for individuals smarter chat-bots for customer service, personalizing services for individuals	Dr. Lakshkaushik Dattatraya	Dec-2020	Click here

2.2. **References**

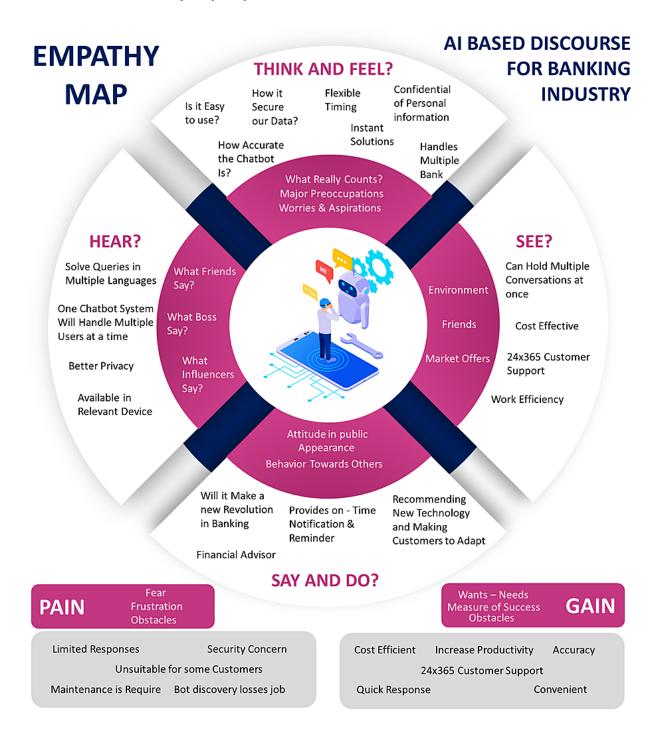
- 1. Sasha FathimaSuhel, Vinod Kumar Shukla, Sonali Vyas, Ved Prakash Mishra(2020) Examines some of the latest Al patterns and activities and then provides alternative theory of change.
- 2. Shanimons ,Seenamary Mathew(2022) This is based on virtual assistant of SBI-SIA. Recent developments and emergence of virtual banking and the trends in the modern banking systems.
- 3. Yuxin Ii, Duanxiangpeng (2021) The AI neural network theory and illustrates the wide application of AI in the financial market
- 4. SintayehuZekariasEsubalew, FiresewFayisoWeldesellasie and Taye GirmaDebelee (2022) Financial sector serves to examine customer's frequently asked questions and the representation of the process using machine learning
- 5. Moksha Thisarani; Subha Fernando (2021) Approaches in the front office conventional banking
- 6. Dr.Lakshkaushik Dattatraya D (2020) Smarter chat-bots for customer service, personalizing services for individuals

2.3. **Problem Statement Definition**

The bank doesn't give the proper customer support to solve the queries of the customer. Our project based on AI based discourse for Banking Industry - The AI assistant is nothing but a Chatbot which helps the customers to inquire about the issues they are facing, without having human interaction. The main reason of having Chatbot that provides 24x365 customer support. Customer service is the most crucial part for expanding the business. The AI assistant will identify the customer needs and respond accordingly to solve the problems of the customer. The banking system plays a major role for developing the country.

3. IDEATION & PROPOSED SOLUTION

3.1. **Empathy Map Canvas**



3.2. Ideation & Brainstorming

Step-1: Team Gathering, Collaboration and Select the Problem Statement



PROBLEM STATEMENT

PROBLEM

The bank doesn't give the proper customer support to solve the queries of the customer. Our project based on AI based discourse for Banking Industry -The Al assistant is nothing but a chatbot which helps the customers to inquire about the issues they are facing, without having human interaction. The main reason of having chatbot, that provides 24x365 customer support. Customer service is the most crucial part for expanding the business. The Al assistant will identify the customer needs and respond accordingly to solve the problems of the customer. The banking system plays a major role for developing the country.



2 Brainstorm

SADAIN ABDULLAH N

Detailed information will be provided for Customer Queries	Easy to Create a Bank Account with simple steps	Track Transaction History
Chatbot keep information end to end encryption	Net Banking is easily done using Chatbot	If the Transaction status is "Pending / Refund" chatbot helps to guide the situation
Chatbot also help to guide the Invesment Process	Loan details and due status will share according to the end month date	Business Account Management

EARNEST WESLEY S

Easy to use FAQ	Secure Communication	Customer Acquisition
Quicker help across the platform	User Behavioural Analytics	Financial planner
Improved efficiency	Automated customer support	Smart Payment processing

ZAHEEB AFNAN A

24x365 days	Cost efficient	Easy to solve the queries
Queries can be solve anywhere anytime	Better data security	Easy to track customer details
Can handle multiple customer at a time	Automated customer service	Secure commulcation

YASHIKA U

Provide security and fraud alerts	Provides complete guidance in assisting a new customer	Keep record of each customer
Loan Management	Guide us about credit card plan and policies	Able to guide customers with new queries and provide voice assistant feature
Able to handle multi- language queries	Financial advisory to keep customer finances on track	eKYC initiation

USING ARTIFICIAL INTELLIGENCE

If the Transaction status is "Pending / Refund" chatbot helps to guide the situation Financial advisory to keep customer finances on track Loan details and due status will share according to the end month date Guide us about credit card plan and policies

USING CLOUD TECHNOLOGY

Easy to track customer details Track Transaction History

24x365 days Detailed information will be provided for Customer Queries

USING NEURAL NETWORK

Improved efficiency

Quicker help across the platform Can handle multiple customer at a time

User Behavioural Analytics

USING NATURAL LANGUAGE PROCESSING

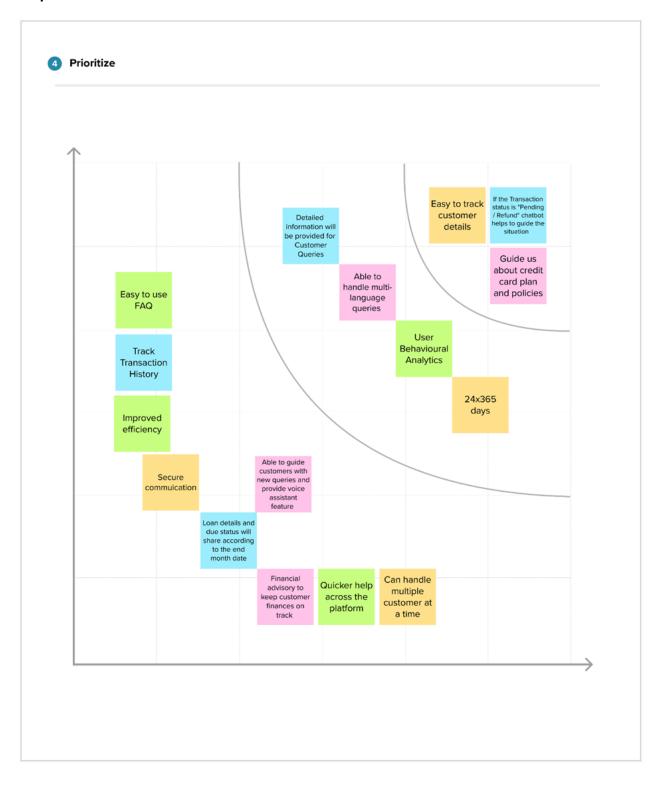
Able to guide customers with new queries and provide voice assistant feature

Secure commuication

Able to handle multilanguage queries

Easy to use FAQ

Step-3: Idea Prioritization



3.3 Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Bank employees can't able to solve all the queries of the customer at a time. Customer need to visit bank frequently for simple doubts but all the queries can't be solved by the bank employees
2.	Idea / Solution description	Chatbot that helps customer to cleat their doubts in order to guide the customer to solve their queries related to bank. The Chatbot will be available 24x365, it will never forget anything, never gets sick and never gets unproductive
3.	Novelty / Uniqueness	Chatbot with the help of AI collects all the data of the customer that helps them to solve their queries that help banks to enhance their customer experience
4.	Social Impact / Customer Satisfaction	Customer can solve their queries anywhere anytime using Chatbot that helps them to save their time and cost for travelling to the bank. It makes the customer satisfied because they get what they want in their place itself
5.	Business Model (Revenue Model)	This Chatbot will be made available to use to all the banks based on subscription model. By implementing this chatbot banks can enable more reliable services to customers which gains customer loyalty and saves the cost needed for manual support.
6.	Scalability of the Solution	Banking sector adopting the chatbot to take their business in the next level without any operational cost. Chatbot in the future will be more significant and ever-expanding

3.4 Problem Solution fit

Project Title: Ai Based Discourse for Banking Industry Project Design Phase-I - Solution Fit Team ID: PNT2022TMID40098 1. CUSTOMER SEGMENT(S) 6. CUSTOMER CONSTRAINTS 5. AVAILABLE SOLUTIONS Cannot be used during offline. A person who has an bank account and Internet Banking the person who wishes to create an Technical Issues. Phone Banking account in Bank. 24/7 support 2. JOBS-TO-BE-DONE / PROBLEMS J&P 9. PROBLEM ROOT CAUSE 7. BEHAVIOUR Customer gets struck during their The chatbot works effectively in all the Lack of communication between the transaction i.e. pending, Refund. customer and the bank managers. scenarios. Solution: Chatbot addresses the reason and guides them with the solution User who does not have knowledge about the credit card plan and policy Solution: Chatbot guides them with their required plans and policies. 3. TRIGGERS 10. YOUR SOLUTION 8. CHANNELS of BEHAVIOUR CB TG YS The easy user interface and the The main idea of the project $% \left(t\right) =\left(t\right) \left(t\right)$ is to Online: Provides a complete assistance effectiveness of the chatbot , makes other · Provide customer convenience to cutoff and effectively answers customer queries customer to use. operational expenses Offline: Cannot access chatbot Chatbot addresses the queries regarding transaction and resolves them 4. EMOTIONS: BEFORE / AFTER Ε 24/7 support Before: More complex customer needs are User does not have knowledge about difficult to meet the credit card plans and policy No proper updating in customer details After: flexible in using UI Quality of service is good Connivence

4. REQUIREMENT ANALYSIS

4.1 Functional requirement

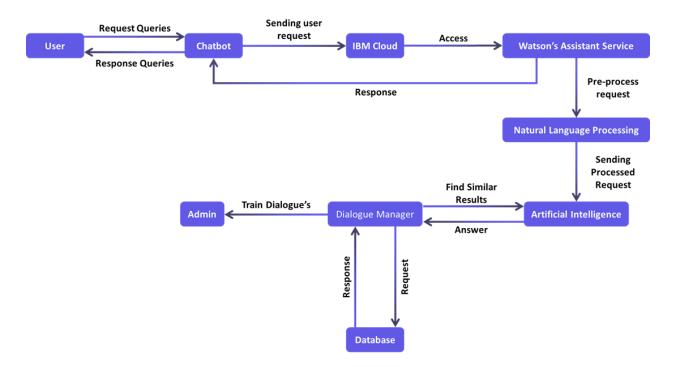
FR No.	Functional Requirement	SubRequirement		
FR-1	User Registration	Registration through Form		
		 Registration through Gmail 		
FR-2	User Confirmation	Confirmation via Email		
		Confirmation via OTP		
FR-3	Account Creation	Personal Details Form		
		 Types of Account information 		
		 Verification Documents Form 		
		 Terms and Condition document 		
FR-4	Existing userSupport	Mistakes Correction Query support		
		Bank Card (Debit and Credit)		
		 Account Freezeaction and Security 		
		services.		
		 Changes made confirmation through mailor OTP. 		
FR-5	General QuerySupport	Mail to Customer CareExecutive		
		Bank details		
		Helpline Number		
		Complaint Form		
FR-6	Query processing	Capture Chabot		
		 Read andprocess large amounts of data 		
		 Quickly solve customer problems. 		
		 Giving insight of relevant data 		
FR-7	Loan Related Service	Types of Loan Details.		
		 Interest and Benefit Schemes. 		
		 Instant Detailsof Loan status. 		
		 Verification of User Identity. 		
FR-8	Net Banking Support	UPI linkageto account.		
		 Security Services in 		
		unauthorised UPIlinkage.		
		Account BalanceCheck.		
		Instant Moneytransfer Action		
		Message when Money transaction.		
		 Account Freeze action. 		

4.2 Non-Functional requirements

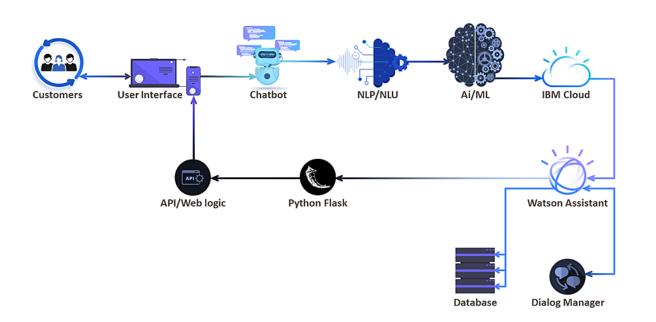
NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Customer can access Chabot more efficiently
		and effectively in a better way. Request
		queriesin the Chabot thatwill provide the
		functionalities.
NFR-2	Security	Customer can have better security of their
		information. The details are stored in cloud
		where the bank employees have total
		controlin accessing valuable information.
		Customers also get a mail if requested for
		confidential information.
NFR-3	Reliability	If the criteria or the topic which customer
		expects is not met via Chabot, bank
		employee will be able to provide detailsfor
		that issue
		within a short spanof time.
NFR-4	Performance	Chabot can provide consistency, quality of
		support and frequently updating of queries
		aremade withoutany loss in information
NFR-5	Availability	It is available 24x365 and the progress is not
		lost, even if the servers go down. Cloud
		storage ensures thatdata is protected and can
		we
		retrieve whenever needed.
NFR-6	Scalability	New user interfaces are made in the Chabot
		for better user experience. It can support
		wide rangeof user's queries and provide
		instant
		responses.

5. PROJECT DESIGN

5.1 Data Flow Diagrams



5.2 Solution& Technical Architecture



5.3 User Stories

Requirement (Epic) Number Registration Registration USN-1 As a user, I can register for the application by entering my email, password, and confirming my password. USN-2 As a user, I will receive confirmation email once I have registered for the application USN-3 As a user, I can register I can access my dashboard I can receive confirmation email confirmation email dashboard I can receive confirmation email dashboard I can register dashboard with for the application through Facebook I can receive confirmation email dashboard with for the application through Facebook Login	print-1 print-2
Customer (Mobile user, Web user) Registration USN-1 As a user, I can register for the application by entering my email, password, and confirming my password. USN-2 As a user, I will receive confirmation email once I have registered for the application USN-3 As a user, I can register a confirmation email once I have registered for the application through Facebook USN-3 As a user, I can register & Low Spread access the dashboard with Facebook Login	print-1
Customer (Mobile user, Web user) Registration USN-1 As a user, I can register for the application by entering my email, password, and confirming my password. USN-2 As a user, I will receive confirmation email once I have registered for the application USN-3 As a user, I can register I can receive confirmation email & click confirm for the application USN-3 As a user, I can register I can register & Low Spr for the application through Facebook USN-3 As a user, I can register I can register & confirmation email & click confirm for the application access the dashboard with Facebook Login	print-1
(Mobile user, Web user) for the application by entering my email, password, and confirming my password. USN-2 As a user, I will receive confirmation email once I have registered for the application USN-3 As a user, I can register for the application through Facebook through Facebook for the application by account / dashboard //	print-1
web user) entering my email, password, and confirming my password. USN-2 As a user, I will receive confirmation email once I have registered for the application USN-3 As a user, I can register I can register & confirmation email & click confirm the application through Facebook dashboard with Facebook Login	
password, and confirming my password. USN-2 As a user, I will receive confirmation email once I have registered for the application USN-3 As a user, I can register I can register & Low Spr for the application access the through Facebook dashboard with Facebook Login	
confirming my password. USN-2 As a user, I will receive I can receive High Spr confirmation email once I have registered for the application USN-3 As a user, I can register I can register & Low Spr for the application access the through Facebook dashboard with Facebook Login	
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for the application USN-3 As a user, I can register I can register & Low Spr for the application access the through Facebook dashboard with Facebook Login	 print-2
USN-3 As a user, I can register I can register & Low Spr for the application access the through Facebook dashboard with Facebook Login	print-2
for the application access the through Facebook dashboard with Facebook Login	print-2
through Facebook dashboard with Facebook Login	
Facebook Login	
USN-4 As a user, I can register & Medium Spr	
	print-1
for the application access the	
through Gmail dashboard with	
Gmail Login	
Login USN-5 As a user, I can log into I can access my High Spr	print-1
the application by account /	
entering email & dashboard by Login	
password	
Dashboard USN-6 As a user, I can easily I can access my Medium Spr	print-1
access the profile profile	
	print-2
access the chatbot in dashboard	T.
the home page	
	print-2
queries using Chatbot Chatbot	
	print-3
Executive executive, I will provide questions that	-····• •
clarification for any chatbot can't	
questions that the answer	
chatbot cannot answer	
	print-3
an inquiry and its and answers to the	print 5
appropriate response chatbot	
to the chatbot	
moderate chatbot chatbot responses	print-4
moderate chatbot chatbot responses	

	responses			
USN-12	As an admin, I will	I can add new	Medium	Sprint-4
	update the chatbot	inquiries and		
	with new questions	responses to the		
	and responses	chatbot		
USN-13	As an admin, I will	I can maintain the	High	Sprint-4
	maintain the chatbot's	chatbot's actions		
	behavior			

6. **PROJECT PLANNING& SCHEDULING**

6.1 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Building of Assistant	USN-1	Creation of Banking Chatbot or Assistant usingIBM Watson Assistant/ As a user, I can see a Banking Assistant.	12	High	Sadain Abdullah N, Earnest Wesley S, Yashika U
Sprint-1		USN-2	Understanding Customer's Banking RelatedQueries and skills/ As a user, I can see a Chatbot with Bankingskills.	8	Moderate	Zaheeb Afnan A, Yashika U, Sadain Abdullah N
Sprint-2	Modelling of Assistant	USN-3	Building action and Adding responses to Account Creation/As a user, I can see a Chatbot whichhelps to createan account	5	High	Sadain Abdullah N, Zaheeb Afnan A, Yashika U
Sprint-2		USN-4	Building action and Adding responses to Banking related queries/As a user, I can see aChatbot which helps to solve the banking queries.	5	High	Earnest Wesley S, Sadain Abdullah N, Yashika U
Sprint-2		USN-5	Building actionand Adding responses to Net Banking/As a user, I can see a Chatbot whichhelpsto access Net Banking	5	High	Zaheeb Afnan A, Sadain Abdullah N, Yashika U
Sprint-2		USN-6	Building action and Adding responses to Loan Queries/As a user, I can see a Chatbot which helps in Loan related Queries.	5	High	Yashika U, Earnest Wesley S, Sadain Abdullah N

Sprint-3	Testing & Deployment Phase-I	USN-7	Testing the chatbot performance with the trained banking functionalities or conversations/As a user, I can know the chatbots performance level	10	l High	Sadain Abdullah N Earnest Wesley S,
Sprint-3		USN-8	Integration of Flask webpage with the chatbot assistant to provide a framework/As a user, I can see a webpage to access the chatbot.	10	High	Zaheeb Afnan A, Yashika U
Sprint-4	Deployment Phase-II & Model Improvement	USN-9	Deployment of AI based chatbot for banking Industry or Running the Chatbot service/As a user, I can see and use a 24*7 banking chatbot.	15	High	Sadain Abdullah N, Zaheeb Afnan A
Sprint-4		USN-10	Improving the model efficiency whenever needed/As a user, I can see new updated chatbot in Future days.	5	Moderate	Yashika U, Earnest Wesley S

6.2 Sprint Delivery Schedule

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov2022	20	05 Nov2022
Sprint-3	20	6 Days	07 Nov2022	12 Nov2022	20	12 Nov2022
Sprint-4	20	6 Days	14 Nov2022	19 Nov2022	20	19 Nov2022

6.3 Reports from JIRA

Velocity:

The team's averagevelocity (AV) per iteration unit (story pointsper day)

$$AV = 25/6 = 4.16$$

Burndown Chart:



7. CODING & SOLUTIONING (Explain the features added in the project along with code)

7.1 Feature 1:

Python Flask:

Python Flask is used to develop chatbot applications using python. Flask is mainly used to render and integrate the chatbot application in the browser by providing API. By running the python application, the suitable server domain link is obtained and run in the browser.

Code:

Socio.py

```
from flask import Flask, render_templeate
app = Flask(__name__)
@app.route('/')
def socio():
    return render_templeate('./index.html')
if __name__ == "__main__":
    app.run()
```

HTML:

The HTML and CSS is used to design the overall chatbot UI. HTML is used to add UI components and CSS is used to add style to those components. IBM Watson assistant deploys HTML code to train the Chatbot.

CODE:

Index.html

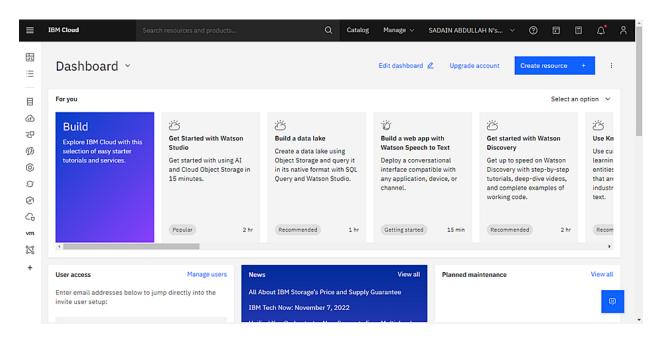
```
window.watsonAssistantChatOptions = {
     integrationID: "44f8a8dc-51c8-4c89-a260-9f6ddf9b5362", // The ID of this
integration.
    region: "au-syd", // The region your integration is hosted in.
      serviceInstanceID: "d6a9a31d-b606-4560-babd-a6f7395f2d74", // The ID
of your service instance.
    onLoad: function (instance) { instance.render(); }
  };
  setTimeout(function () {
    const t = document.createElement('script');
                                                                "https://web-
                                               t.src
chat.global.assistant.watson.appdomain.cloud/versions/"
(window.watsonAssistantChatOptions.clientVersion
                                                        Ш
                                                                'latest')
                                                                            +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
</body>
</html>
```

7.2 Feature 2:

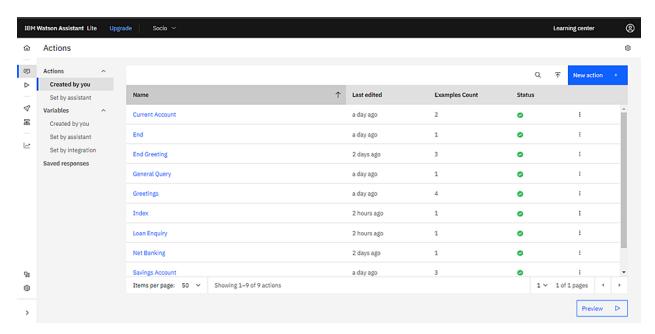
IBM Watson Assistant Chatbot:

- Our chatbot is able to guide a customer to create a bank account. (Both current and savings account)
- Our chatbot is able to answer loan gueries.
- Our chatbot is able to answer general banking queries.
- Our chatbot is able to answer queries regarding net banking.

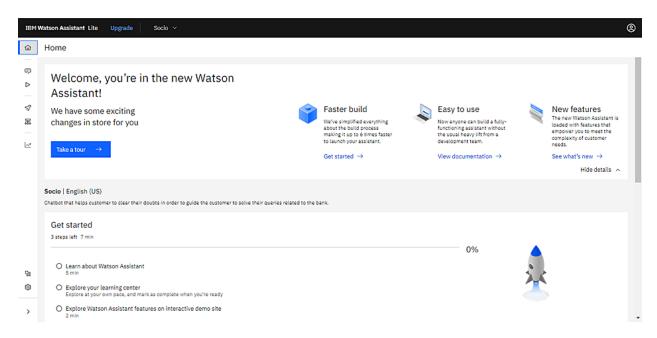
Steps-1: Creating IBM Cloud Account:



Steps-2: Creating Watson Assistant:



Steps-3: <u>Understanding Customer's Banking Related queries and skills:</u>



8. TESTING

8.1 Test Cases:

				Date	11-Nov-22								
Team ID				PNT2022TM ID40098	1								
					Project - Al Based Discourse For Banking Industry	1							
Maxim		Maximum Marks	4 marks	1									
Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUGID	Executed By
			Verify user is able to see the		1.Enter URL and click go		Login/Signup page should display	Working as					
asset_001	Functional	Home Page	Login/Signup popup when user		2 Click on My Login/Signup	https://socio.epizy.com		expected	Pass	11	No		Earnest Wesley S
			clicked on My account button		3. Verify login/Signup page displayed or not			expected					
					1.Enter URL and click go		Application should show below UI elements:						
					2 Click on login/signup button		a.email text box						
					3. Verify login/Singup popup with below UT elements:		b.password textbox						
asset 002	u	Home Page	Verify the UI elements in	Rmwerf hrome/Firefox	a.email text box	https://socio.epizy.com	c. Login button	Working as	Pass	//	No.		Farnest Wesley S
asset_uu2	u	Home rage	Login/Signup page	Browsers.nrome/Hirerax	b.password text box	nttps://socio.epizy.com	d. Sign_up? Create new account	ex pected	Pass	H	NO		Earnest Wesley 5
					c.Login button		e.Forgot password? Recovery password link						
					d.Sign up? Create new account								
					e Foreot password? Recovery password link								
					1.Enter URL(https://socio.com/) and click go	Username: test-	User should navigate to user account homepage						
					2.Click on sign-in button	socio@email.com							
asset 003	Functional	Home page	Verify user is able to log into	Browser:Chrome/Firefox ,	3.Enter Valid username/email in Email text box	password: Testing123		Working as	Pass	11	No		Earnest Wesley S
			application with Valid credentials	Valid Credentials	4.Enter valid password in password text box			expected					
					S.Click on login button								
					1 Enter URU/https://socio.com/) and click go	Username: test-socio@email	Application should show 'Incorrect email or password'						
				Browser:Chrome/Firefox .	2.Click on sign-in button	password: Testing321	validation message.						
asset 004	Suntinnal	Login page	Verify user is able to log into	Random or Incorrect	3 Enter InValid usemame/email in Email text box			Working as	Pass	11	No		Farnest Wesley S
5330_004	Turcione.	coğpugc	application with InValid credentials	Credentiels	4.Enter valid password in password text box			ex pected	1	"	110		tuno. noity
				CCCCIACO	S.Click on login button								
					1Enter URUhttps://socio.com/) and	Username: test-	Application logs user in and pops up the chatbot						
				Browser.Chrome / Firefox .	click eo	socio@email.com	regulation legister mane popular the dealor	Working as					
asset_006	Functional	ChatBot	Verify Chatbot pop-up	Valid Credentials	2 Enter with Valid credentials and click Login	password: Testine123		expected	Pass	//	No		Earnest Wesley S
				Tallu Creuellies	3.Click on the Charthot iron	pasworu. recingad		expenses					
		l —			1.Click on the Charbot con	Select an option: Savines	Charbot replies with Regular saving account, Kids savings		_			-	
asset 007	Functional	Chat Bot	Verify Charbot features	Browser:Chrome / Firefox	2 Click Greetines button	Account	account. Zero-balance savings account	Working as	Pass	11	No		Earnest Wesley S
asset_uu/	Punctional	Linacidox	verify Charbot leasures	browser.Chlome/ Prerox	3.Click Savings account option	Account	account, zero-oasance savings account	ex pected	ras	"	NO		carner wereys
					1 Click on the Chathot iron	Select an outline: Current	Charbot reolies with Proprietorship and Partnership		_			-	
asset 008	Functional	ChatBot	Verify Charbot features	Browser Chrome / Firefox	2.Click Greatings button	Account	ciado. lepies wai riopi edi siip ai cra deisiip	Working as	Pass	11	No		Earnest Wesley S
asset_uus	Functional	Lination	verify Charbot reasures	browser.Lniome / Firefox	3.Click Current account option	Account		expected	P ass	- //	NO		tarnest wesley 5
					3.Cick current account option 1.Cick on the Charbot icon	Select an oction: Loan	Charbot replies with House, Gold, Topup, Vehicle and		_			-	
		C1 C1	W-1					Working as		,,	u .		
asset_009	Functional	Chat Bot	Verify Charbot features	Browser:Chrome / Firefax	2 Click Greetings button	Enquiry	Student loan.	expected	Pass	//	No		Earnest Wesley S
					3 Click Loan Enquiry option 1 Click on the Charbot icon	Select an option: General	Charbot replies with Bank working days Branches list.					_	
			u dead do					Working as	١.				
asset_010	Functional	ChatBot	Verify Charbot features	Browser:Chrome / Firefax	2 Click Greetings button	Query	Nearest branch	expected	Pass	//	No		Earnest Wesley S
\vdash					3.Click General Query option	Miles of the New York	Photography in the first of the state of the		_			-	
			mark the second of		1 Click on the Charbot icon	What is Net banking?	Charbot replies with The facility of fered by the bank	Working as	١.	.,.			
asset_011	Functional	ChatBot	Verify Charbot features	Browser:Chrome / Firefox	2.Click Greetings button	How do I Register for Net	allows customers to use banking services over the internet	expected	Pass	- 11	No		Earnest Wesley S
					3.Click Netbanking option	Banking							

8.2 User Acceptance Testing

Defect Analysis:

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	
By Design	0	1	1	1	3
Duplicate	0	0	0	1	1
External	0	0	0	1	1
Fixed	4	0	0	1	5
Not Reproduced	0	0	1	0	1
Skipped	0	1	1	1	3
Won't Fix	0	1	0	1	2
Totals	4	3	6	5	16

Test Case Analysis:

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	
Print Engine	1	0	0	1
Client Application	1	0	0	1
Security	2	0	0	2
Outsource Shipping	1	0	0	1
Exception Reporting	1	0	0	1
Final ReportOutput	1	0	0	1
Version Control	1	0	0	1

9. RESULTS

9.1 Performance Metrics

S.No.	Parameter	Values	Screenshot
1.	Model Summary	The Chatbot is used by the user to interact and answering queriesand offering customer support on frequently asked questions of banking customers. There can be multiple instances of a single chatbot inquiring aboutdifferent users at the same time. It quickly responds with expected answers to frequently asked customer queries. It can be used as per the Requirements of the bank to includeanswers to queries related to any new feature or service introduced by the bank.	O0:00:00.00 Hit I'm Socio Your New virtual assistant. How can I help you today? Greeting. Savings Account Netbanking Fice something thirate Windows For to satisfy to assist account and the same a
2.	Accuracy	Training Accuracy — 100%	
		Validation Accuracy — 100%	Consequence No days Consequence No consequence

10. ADVANTAGES & DISADVANTAGES ADVANTAGES:

- 24 x 365 days
- Easy to solve the queries
- Cost efficient
- Better data security
- Can handle multiple customer at a time
- Queries can be solved instantly
- Automated customer service
- Easy to track customer details

DISADVANTAGES:

- Network Issues
- Continuous Maintenance
- Bots fails to answer complex questions

11. CONCLUSION

Chatbots developed using AI are able to answer any frequently asked banking queries on account creation, loan, net banking, other services etc. It addresses the queries of customers immediately and effectively in a cost-efficient manner. It eliminates the need for a massive customer care workforce and even reduces the workload of the bank employees whose efforts can be used elsewhere. AI Chatbots provides24/7 service to clear all customer queries and guide them through all the banking processes. It can be scaled as per the requirements of the bank to include answers to queries related to any new feature or service introduced by the bank. In order to overcomethe user satisfaction issues associated with banking services, chatbot will provide personal and efficient communication between the user and the bank. It is built to be the overall virtual assistant that can facilitate customers to ask banking-related questions without visiting the bank or calling up customer service centers as well as providing them with relevant suggestions.

12. FUTURE SCOPE

The future goal is to allow users and Artificial Intelligence to communicate naturally and understand complex request and to enhance the chatbot as possible. The following area should be focused to improvise the chatbot support.

- Should handle multiple language queries
- Complete assistance to the customer without letting them to go bank
- Voice Assistant
- Transaction status
- Loan Management and status

13. APPENDIX

13.1 Source Code Socio.py

```
from flask import Flask, render_templeate
app = Flask(__name__)
@app.route('/')
def socio():
    return render_templeate('./index.html')
if __name__ == "__main__":
    app.run()
```

Index.html

```
<!-- <script type="text/javascript" charset="utf-8" async="" src="./Socio_files/loader.js"></script> -->
        <script src="./Socio_files/jquery.min.js"></script>
        <script src="./Socio_files/banner-chat.js"></script>
        <script src="./Socio_files/anime.min.js"></script>
        <script src="./Socio_files/bootstrap.min.js"></script>
        <script src="./Socio_files/owl.carousel.js"></script>
        <script src="./Socio_files/jquery.slicknav.min.js"></script>
        <script type="text/javascript">
                 $(document).ready(function () {
                          $('#menu').slicknav();
                 });
        </script>
        k rel="stylesheet" data-id="chatbox-css" href="./Socio_files/styles.css">
        k rel="preconnect" href="https://fonts.gstatic.com/">
        <link href="./Socio_files/css2(1)" rel="stylesheet">
</head>
<body>
        <div class="slicknav_menu"><a href="#" aria-haspopup="true" role="button" tabindex="0"
                          class="slicknav_btn slicknav_collapsed" style="outline: none;"><span
                                  class="slicknav_menutxt">MENU</span><span class="slicknav_icon"><span
                                                        class="slicknav_icon-bar"></span><span class="slicknav_icon-
bar"></span><span
                                           class="slicknav_icon-bar"></span></a>
                 <a href="./index.html" role="menuitem" tabindex="-1">Home</a>
                          <a href="./Blogs.html" role="menuitem" tabindex="-1">Banking Blogs</a>
                          <a href="./features.html" role="menuitem" tabindex="-1">Features</a>
                          <a href="./faq.html" role="menuitem" tabindex="-1">FAQs</a>
                 </div>
        <header id="myHeader" class="sticky">
                 <div class="container">
                          <div class="top-header">
                                  <div class="brand-logo">
                                           <a href="./index.html">
                                                    <!-- <img class="after" src="./Socio_files/cybot-white.svg"> -->
                                                    <img class="after" src="./assets/img/socio-lgc-white.png">
                                                    <!-- <img class="before" src="./Socio_files/cybot.svg"> -->
                                                    <img class="before" src="./assets/img/socio-lgc.png">
                                           </a>
                                   </div><!-- rand-logo -->
                                   <nav class="main-menu">
                                           <a href="./index.html">Home</a>
                                                    <a href="./Blogs.html">Banking Blogs</a>
                                                    <a href="./features.html">Features</a>
                                                    <a href="./faq.html">FAQs</a>
                                           </nav><!-- main-menu -->
                                   <div class="buttons">
                                           <l
                                                              <a href="./login/login.html" class="signup">Login /
```

```
</div><!-- buttons -->
                             </div><!-- top-header -->
                   </div><!-- container -->
         </header>
<!-- end header -->
         <div class="content-area">
                   <div class="home-banner-section">
                            <img class="desktop-banner" src="./Socio_files/home-banner-new-1.png">
                            <img class="mobile-banner" src="./Socio_files/mob-home-banner-new.jpg">
                            <div class="caption-box">
                                      <h2 class="ml11" style="opacity: 1;">
                                               <span class="text-wrapper">
                                                                       <span class="line line1" style="opacity: 0; transform:</pre>
translateX(330.594px);"></span>
                                                                  <span class="letters"><span class="letter" style="opacity:</pre>
1;">N</span><span class="letter"
                                                                                        style="opacity: 1;">e</span><span
class="letter" style="opacity: 1;">v</span><span
                                                                                              class="letter" style="opacity:
1;">e</span><span class="letter"
                                                                                        style="opacity: 1;">r</span> <span
class="letter" style="opacity: 1;">m</span><span
                                                                                              class="letter" style="opacity:
1;">i</span><span class="letter"
                                                                                         style="opacity: 1;">s</span><span
class="letter" style="opacity: 1;">s</span> <span
                                                                                              class="letter" style="opacity:
1;">a</span><span class="letter"
                                                                            style="opacity: 1;">n</span></span>
                                               </span>
                                      </h2>
                                      <h2 class="ml15" style="opacity: 1;">
                                               <span class="word" style="opacity: 1; transform: scale(1);">enquiry</span>
                                               <span class="word" style="opacity: 1; transform: scale(1);">again</span>
                                      </h2>
                                      <h3 class="ml12" style="opacity: 1; transform: translateX(0px) translateZ(0px);">
                                                        <span class="letter">b</span><span class="letter">e</span> <span</pre>
class="letter">a</span><span
                                                               class="letter">v</span><span class="letter">a</span><span
class="letter">i</span><span
                                                                class="letter">l</span><span class="letter">a</span><span
class="letter">b</span><span
                                                               class="letter">l</span><span class="letter">e</span> <span
class="letter">f</span><span
                                                               class="letter">o</span><span class="letter">r</span> <span
class="letter">y</span><span
                                                               class="letter">o</span><span class="letter">u</span><span
class="letter">r</span> <span
                                                                class="letter">v</span><span class="letter">i</span><span
class="letter">s</span><span
                                                                class="letter">i</span><span class="letter">t</span><span
class="letter">o</span><span
                                                               class="letter">r</span><span class="letter">s</span> <span
class="letter">r</span><span
```

<!-- Signup -->

class="letter">ou<span

```
class="letter">n</span><span
                                                               class="letter">d</span> <span class="letter">t</span> <span
class="letter">h</span><span
                                                               class="letter">e</span> <span class="letter">c</span> <span
class="letter">l</span><span
                                                               class="letter">o</span><span class="letter">c</span><span
class="letter">k</span>
                                      </h3>
                                      <a href="./Blogs/bl-Video.html" class="btn-ab btn-1">
                                               <svg>
                                                                               <rect x="0" y="0" fill="none" width="100%"
height="100%"></rect>
                                               </svg>
                                               Watch now
                                      </a>
                            </div><!-- caption-box -->
                   </div><!-- home-banner-section -->
                   <section class="section-1">
                            <div class="container">
                                      <div class="banner-bottom-bg">
                                               <img class="cloud-land" src="./Socio_files/cloud-land-img.png">
                                               <div class="row">
                                                         <div class="col-md-4 col-sm-4 col-xs-12 text-center">
                                                                   <div class="boat-chractor">
                                                                            <img src="./Socio_files/boat-chractor.png">
                                                                   </div><!-- boat-chractor -->
                                                         </div><!-- col-4 -->
                                                         <div class="col-md-4 col-sm-4 col-xs-12 text-center">
                                                                   <img class="air-craft" src="./Socio_files/air-craft.png">
                                                                   <h2>Ask me any Thing</h2>
                                                                  <!-- <h2>15 days free trial.</h2> -->
                                                                   I'm Happy to answer
                                                         </div><!-- col-4 -->
                                                         <div class="col-md-4 col-sm-4 col-xs-12 text-center">
                                                                      <a class="get-chatboat" href="./login/login.html">Get
your free chatbot</a>
                                                         </div><!-- col-4 -->
                                               </div><!-- row -->
                                      </div><!-- banner-bottom-bg -->
                            </div><!-- container -->
                            <div class="massaging-content">
                                      <div class="container">
                                               <div class="row">
                                                         <div class="col-md-5 col-sm-5 col-xs-12">
                                                                   <h3>Convert Messaging into Chatbots with Socio</h3>
                                                                     Our chatbot (socio) provides services such as instant
solution regarding loan queries, net banking, savings account, and so on.
                                                                    It also provides 24/7 support, personalization, alerts,
and remainders to the user.
```

Get a demo

```
</div><!-- col-5 -->
                                                       <div class="col-md-3 col-sm-3 col-xs-12 text-center">
                                                                     <img class="massaging-icons" src="./Socio_files/mid-
img.png">
                                                       </div><!-- col-2 -->
                                                       <div class="col-md-4 col-sm-4 col-xs-12">
                                                                                            <img class="massaging-img"
src="./Socio_files/massaging.png">
                                                       </div><!-- col-5 -->
                                              </div><!-- row -->
                                     </div><!-- container -->
                            </div><!-- massaging-content -->
                  </section><!-- section-1 -->
<!-- Blogs section -->
                  <section class="section-2">
                           <div class="container">
                                     <div class="row">
                                              <div class="col-md-12 col-sm-12 col-xs-12">
                                                       <h3>Some of the useful Blogs about Banking Industry</h3>
                                              </div><!-- col-12 -->
                                     </div><!-- row -->
                                     <div class="row">
                                              <div class="col-md-12 col-sm-12 col-xs-12">
                                                       <a href="./Blogs/bl-savings.html">
                                                                                   <div class="forms-img">
                                                                                                                  <img
src="./assets/img/jeshoots-com-LtNvQHdKkmw-unsplash.jpg">
                                                                                   </div>
                                                                                   <h4>Saving Account</h4>
                                                                                       Savings Account is a smart way
to secure your savings, generate additional income, and facilitate everyday banking. Are you new to banking? So, here's a
detailed process on how to open Savings Account online & offline.
                                                                                   </a>
                                                                          <a href="./Blogs/bl-Netbanking.html">
                                                                                   <div class="forms-img">
                                                                                                                  <img
src="./assets/img/john-schnobrich-FIPc9_VocJ4-unsplash.jpg">
                                                                                   </div>
                                                                                   <h4>Netbanking</h4>
                                                                                     Net banking is also referred to as
internet banking. It is an electronic system provided by banks to their customers that allows them to access financial and
non-financial banking services in minutes.
                                                                          </a>
                                                                 <a href="./Blogs/bl-Loan.html">
                                                                                   <div class="forms-img">
```

```
src="./assets/img/jingming-pan-iYsrkq5qq0Q-unsplash.jpg">
                                                                                 </div>
                                                                                 <h4>Loan</h4>
                                                                                   This is the traditional method of
a loan application. In this scenario, the applicant must go to the branch office and submit the paperwork to apply for a quick
loan.
                                                                        </a>
                                                               <a href="./Blogs/bl-Current.html">
                                                                                 <div class="forms-img">
                                                                                                               <img
src="./assets/img/pexels-adrienn-1458283.jpg">
                                                                                 </div>
                                                                                 <h4>Current Account</h4>
                                                                                     A Current Account is a type of
bank account that is used by businesses and has been designed to promote businesses of various sizes
                                                               <a href="./Blogs/bl-Chat.html">
                                                                                 <div class="forms-img">
                                                                                                               <img
src="./assets/img//volodymyr-hryshchenko-V5vqWC9gyEU-unsplash.jpg">
                                                                                 </div>
                                                                                 <h4>Chatbot</h4>
                                                                                         A chatbot communicates
similarly to instant messaging. A chatbot is software that simulates human conversations. It enables the communication
between a human and a machine
                                                                        </a>
                                                               <a href="./Blogs/bl-Finance.html">
                                                                                 <div class="forms-img">
                                                                                                               <img
src="./assets/img/nick-chong-N_BnvQ_w18-unsplash.jpg">
                                                                                 </div>
                                                                                 <h4>Finance</h4>
                                                                                          The blogging business is
booming and the financial space is no exception. Personal finance bloggers often start by documenting their own personal
financial journeys and sharing money-saving advice
                                                                        </a>
                                                               </div><!-- col-12 -->
                                    </div><!-- row -->
                           </div><!-- container -->
                 </section><!-- section-2 -->
<!-- end blogs section -->
```

<div class="combine-section">

<section class="section-3">


```
<div class="col-md-7 col-sm-7 col-xs-12">
                                                                     <div class="use-cases">
                                                                              <h3>Executive Chatbot</h3>
                                                                                 Save Time and Improve Decision Making -
This easy-to-use dashboard provides necessary information (It guides about the Savings Account, Current Account,
Netbanking, Loan Queries, General enquiry, etc.,) to make fast and accurate decisions.
                                                                     </div><!-- use-cases -->
                                                           </div><!-- col-7 -->
                                                 </div><!-- row -->
                                       </div><!-- container -->
                             </section><!-- section-3 -->
                             <section class="section-4">
                                       <div class="container">
                                                 <div class="cases-carousel owl-loaded owl-drag">
                                                           <div class="owl-stage-outer">
                                                                     <div class="owl-stage"
                                                                                  style="transform: translate3d(-1183px, 0px,
Opx); transition: all 0s ease 0s; width: 3550px;">
                                                                                   <div class="owl-item cloned" style="width:</pre>
215.832px; margin-right: 80px;">
                                                                                                      <div class="item"><img
src="./assets/img/1.jpg"></div>
                                                                              </div>
                                                                                   <div class="owl-item cloned" style="width:</pre>
215.832px; margin-right: 80px;">
                                                                                                      <div class="item"><img
src="./assets/img/2.jpg"></div>
                                                                              </div>
                                                                                   <div class="owl-item cloned" style="width:</pre>
215.832px; margin-right: 80px;">
                                                                                                      <div class="item"><img
src="./assets/img/3.jpg"></div>
                                                                              </div>
                                                                                   <div class="owl-item cloned" style="width:</pre>
215.832px; margin-right: 80px;">
                                                                                                      <div class="item"><img
src="./assets/img/4.jpg"></div>
                                                                              </div>
                                                                                    <div class="owl-item active" style="width:</pre>
215.832px; margin-right: 80px;">
                                                                                                      <div class="item"><img
src="./assets/img/5.jpg"></div>
                                                                              </div>
                                                                                    <div class="owl-item active" style="width:</pre>
215.832px; margin-right: 80px;">
                                                                                                      <div class="item"><img
src="./assets/img/6.jpg"></div>
                                                                              </div>
                                                                                    <div class="owl-item active" style="width:</pre>
215.832px; margin-right: 80px;">
                                                                                                      <div class="item"><img
src="./assets/img/7.jpg"></div>
                                                                              </div>
```

215.832px; margin-right: 80px;">

<div class="owl-item active" style="width:</pre>

<div class="container">

<div class="row">

	<div class="item"><img< td=""></img<></div>	
src="./assets/img/8.jpg">	4/400	
	<div class="owl-item cloned" style="width:</td></tr><tr><td>215.832px; margin-right: 80px;"></div>	
	<div class="item"><img< td=""></img<></div>	
src="./assets/img/9.jpg">		
215.832px; margin-right: 80px;">	<div class="owl-item cloned" item"="" style="width:</td></tr><tr><td>213.032px, margin-right. oopx, ></td><td><div class="><img< td=""></img<></div>	
src="./assets/img/10.jpg">	•	
	<div class="owl-item cloned" style="width:</td></tr><tr><td>215.832px; margin-right: 80px;"></div>	edite de la Ultranilla dina
src="./assets/img/11.jpg">	<div class="item"><img< td=""></img<></div>	
Sit/assets/illig/ 11.jpg /\/uiv/		
	<pre><div class="owl-item cloned" style="width:</pre></td></tr><tr><td>215.832px; margin-right: 80px;"></div></pre>	
	<div class="item"><img< td=""></img<></div>	
src="./assets/img/12.jpg">		
	<div class="owl-item cloned" style="width:</td></tr><tr><td>215.832px; margin-right: 80px;"></div>	vuiv class- owi-item cloned style- width.
2131002ph, margin right coph,	<div class="item"><img< td=""></img<></div>	
src="./assets/img/13.jpg">		
	<div class="owl-item cloned" style="width:</td></tr><tr><td>215.832px; margin-right: 80px;"></div>	<div class="item"><img< td=""></img<></div>
src="./assets/img/14.jpg">	Vulv Class- Item / Illig	
sie vasses, iiig, zujpg van		
	<pre><div class="owl-item cloned" style="width:</pre></td></tr><tr><td>215.832px; margin-right: 80px;"></div></pre>	
n / / / .	<div class="item"><img< td=""></img<></div>	
src="./assets/img/15.jpg">		
	<pre></pre>	
215.832px; margin-right: 80px;">		
	<div class="item"><img< td=""></img<></div>	
src="./assets/img/16.jpg">		
245 022my mayain wight. 00my	<div class="owl-item cloned" style="width:</td></tr><tr><td>215.832px; margin-right: 80px;"></div>	<div class="item"><img< td=""></img<></div>
src="./assets/img/17.jpg">	an class item and	
,		
	<div class="owl-item cloned" style="width:</td></tr><tr><td>215.832px; margin-right: 80px;"></div>	
11 (<div class="item"><img< td=""></img<></div>	
src="./assets/img/18.jpg">		
	<pre></pre>	
215.832px; margin-right: 80px;">	,	
	<div class="item"><img< td=""></img<></div>	
II / /: /40 : II>		

</div>

src="./assets/img/19.jpg"></div>

```
</div>
                                                       </div>
                                                                   <div class="owl-nav disabled"><button type="button"
role="presentation" class="owl-prev"><span
label="Previous"><</span></button><button type="button" role="presentation"
                                                                                           class="owl-next"><span aria-
label="Next">></span></button></div>
                                                       <div class="owl-dots disabled"></div>
                                              </div><!-- owl-carousel -->
                                     </div><!-- container -->
                            </section><!-- section- -->
                  </div><!-- combine-section -->
                  <script>
                           $('.cases-carousel').owlCarousel({
                                    loop: true,
                                     margin: 80,
                                     nav: true.
                                     dots: false,
                                     responsive: {
                                             0: {
                                                       items: 1
                                              },
                                              600: {
                                                       items: 2
                                              },
                                              1000: {
                                                       items: 4
                                              }
                                    }
                           })
                  </script>
                  <section class="boat-price">
                           <div class="container">
                                     <div class="row">
                                              <div class="col-md-12 col-sm-12 col-xs-12 text-center price-top-heading">
                                                       <h3>AI chatbots are now<br>having awesome Features</h3>
                                                             With highly secure and fine ui ux interface, experience the
world of artificial intelligence
                                              </div><!-- col-12 -->
                                     </div><!-- row -->
                           </div><!-- container -->
                            <div class="container">
                                     <div class="top-tab-nav">
                                              ul class="nav nav-tabs">
                                                                <a data-toggle="tab" href="#tab1">Top
Features</a>
                                                       <a data-toggle="tab" href="#tab2">Service</a>
                                                       <a data-toggle="tab" href="#tab3">Accuracy</a>
                                                       <a data-toggle="tab" href="#tab4">Security</a>
                                              <!-- nav -->
                                     </div><!-- top-tab-nav -->
```

<div class="row">

```
<div class="col-md-4 col-sm-4 col-xs-12">
                                                      <div class="price-boat-img">
                                                               <img src="./Socio_files/price-boat.png">
                                                      </div><!-- price-boat-img -->
                                             </div><!-- col-4 -->
                                             <div class="col-md-8 col-sm-8 col-xs-12 border-left">
                                                      <div class="tab-content">
                                                               <div id="tab1" class="tab-pane fade in active">
                                                                         <h4>Features</h4>
                                                                                                 <div class="price-list-
cont">
                                                                                                    <h2>24x365 Days
services</h2>
                                                                                           </div>
                                                                                                               <!-- <a
href="./login/login.html">Start Trial</a> -->
                                                                                  <h4>Features</h4>
                                                                                                 <div class="price-list-
cont">
                                                                                                           <!-- <h5>$
<span>8</span>/mo</h5> -->
                                                                                                          <h2>Handle
multiple customers at a time</h2>
                                                                                           </div>
                                                                                  <h4>Features</h4>
                                                                                                 <div class="price-list-
cont">
                                                                                                           <!-- <h5>$
<span>20</span>/mo</h5> -->
                                                                                                      <h2>Enchanced
Customer service</h2>
                                                                                           </div>
                                                                                  </div><!-- tab-pane -->
                                                               <div id="tab2" class="tab-pane fade">
                                                                         <h4>Service</h4>
                                                                                                 <div class="price-list-
cont">
                                                                                                             If the
Transaction status is "Pending / Refund" chatbot helps to guide the situation
                                                                                           </div>
                                                                                                                   <a
href="./login/login.html">Read More</a>
```

```
<h4>Service</h4>
                                                                                        <div class="price-list-
cont">
                                                                                                 Provide
Complete Solutions Regarding Banking and Finance
                                                                                   </div>
                                                                                                        <a
href="./login/login.html">Read More</a>
                                                                          <h4>Service</h4>
                                                                                        <div class="price-list-
cont">
                                                                                              Fine Ui / Ux
Design that makes user to easily interact with Socio Chatbot Website
                                                                                   </div>
                                                                                                        <a
href="./login/login.html">Read More</a>
                                                                          </div><!-- tab-pane -->
                                                          <div id="tab3" class="tab-pane fade">
                                                                  <h4>Accuracy</h4>
                                                                                        <div class="price-list-
cont">
<h5><span>92</span>%</h5>
                                                                                            Performance
Accuracy
                                                                                   </div>
                                                                          <h4>Accuracy</h4>
                                                                                        <div class="price-list-
cont">
<h5><span>100</span>%</h5>
                                                                                                Training
Accuracy
                                                                                   </div>
                                                                          <h4>Accuracy</h4>
                                                                                        <div class="price-list-
cont">
<h5><span>100</span>%</h5>
                                                                                               Validation
Accuracy
```

</div>

```
</div><!-- tab-pane -->
                                                                 <div id="tab4" class="tab-pane fade">
                                                                          <h4>Security</h4>
                                                                                                   <div class="price-list-
cont">
                                                                                                          protecting
the data against unauthorized access or use that could result in exposure, deletion, or corruption of that data
                                                                                                      </div>
                                                                                   <h4>Security</h4>
                                                                                                   <div class="price-list-
cont">
                                                                                                                the
protective measures and protocols that organizations adopt to protect the organization from cyber criminals and threats that
use the web channel.
                                                                                             </div>
                                                                                   <h4>Security</h4>
                                                                                                   <div class="price-list-
cont">
                                                                                                        Compliance
is also a major consideration. It doesn't matter which device, technology or process is used to manage, store or collect data, it
must be protected
                                                                                             </div>
                                                                                   </div><!-- tab-pane -->
                                                       </div><!-- tab-content -->
                                              </div><!-- col-8 -->
                                     </div><!-- row -->
                            </div><!-- container -->
                            <div class="container">
                                     <div class="row">
                                              <div class="col-md-12 col-sm-12 col-xs-12 text-center">
                                                       <div class="boat-price-bottom">
                                                                   If you require any further information, let me know.
Socio is waiting for you.
                                                                                                      <a class="ab-btn"
href="./Contact/Contact.html">Contact Us</a>
                                                       </div><!-- boat-price-bottom -->
                                              </div><!-- col-12 -->
                                     </div><!-- row -->
                            </div><!-- container -->
                  </section><!-- boat-price -->
```

<section class="section-5">

```
<img class="testimonial-vector" src="./Socio_files/testimonial-vector.png">
                             <div class="blue-section">
                                      <div class="container">
                                                <div class="row">
                                                         <div class="col-md-3 col-sm-3 col-xs-12">
                                                                           <img src="./assets/img/icons8-creativity-50.png"</pre>
width="65px">
                                                                   <h5>Artificial Intelligence</h5>
                                                                              Artificial Intelligence is a software used by
computers to mimic aspects of human intelligence.
                                                         </div><!-- col-3 -->
                                                         <div class="col-md-3 col-sm-3 col-xs-12">
                                                                            <img src="./assets/img/icons8-machine-64.png"</pre>
width="60px">
                                                                   <h5>Machine learning</h5>
                                                                          Machine learning is capability of a machine to
imitate intelligent human behavior
                                                         </div><!-- col-3 -->
                                                         <div class="col-md-4 col-sm-3 col-xs-12">
                                                                          <img src="./assets/img/icons8-translator-50.png"
width="55px">
                                                                   <h5>Natural Language processing</h5>
                                                                         Natural language processing (NLP) describes the
interaction between human language and computers.
                                                         </div><!-- col-3 -->
                                                </div><!-- row -->
                                      </div><!-- container -->
                             </div><!-- blue-section -->
                             <div class="testimonial">
                                      <div class="container">
                                                <div class="row">
                                                         <div class="col-md-12 col-sm-12 col-xs-12">
                                                                      <h2 class="heading2">What makes Socio different <br>
from others</h2>
                                                         </div><!-- col-12 -->
                                                </div><!-- row -->
                                                <div class="row">
                                                         <div class="col-md-12 col-sm-12 col-xs-12">
                                                                   <div class="testimonial-container">
                                                                                                <img class="testimonial-bg"
src="./Socio_files/testimonial-bg.png">
                                                                              <a class="schedule-demo" href="#">Schedule
Demo</a>
                                                                             <div class="carousel-caption-div">
                                                                                                      <div id="myCarousel"
class="carousel slide" data-ride="carousel">
                                                                                                       <div class="carousel-
inner">
                                                                                                           <div class="item
active">
                                                                                                                       <div
```

class="carousel-caption">

```
<h3>User-friendly Chatbots for Banking Sector and business
professionals</h3>
Need a simplified chatbot solution that unifies queries using our Socio Chatbot, this chatbot having an airtificial
intelligence and natural language processing.
                                                                                                               </div>
                                                                                                      </div>
                                                                                                                   <div
class="item">
                                                                                                                   <div
class="carousel-caption">
<h3>problems in banking sector in India</h3>
According to IMF Report, 36.9% of the total debt in India is at risk and banks have the capacity to absorb only up to 8-9%
loss
                                                                                                               </div>
                                                                                                      </div>
                                                                                                                   <div
class="item">
                                                                                                                   <div
class="carousel-caption">
<h3>Crowded people in banking sector</h3>
An overwhelming number of them were private banks. The strange scene of long queues outside nationalised banks
                                                                                                               </div>
                                                                                                      </div>
                                                                                              </div><!-- carousel-inner --
                                                                                   </div><!-- carousel -->
                                                                          </div><!-- carousel-caption-div -->
                                                                          <div class="testimonial-slider">
                                                                                                  <div id="myCarousel"
class="carousel slide" data-ride="carousel">
                                                                                             <!-- Indicators -->
                                                                                                    <ol class="carousel-
indicators">
                                                                                                               data-
target="#myCarousel" data-slide-to="0" class="">
                                                                                                               data-
target="#myCarousel" data-slide-to="1" class="">
                                                                                                               data-
target="#myCarousel" data-slide-to="2" class="active">
                                                                                             <!-- Wrapper for slides -->
                                                                                             <div class="carousel-inner"
style="margin-left: 50px;">
                                                                                                                   <div
class="item">
                                                                                                                  <img
```

</div>

src="./assets/img/Slide1.PNG">

```
<div
class="item">
                                                                                                                       <img
src="./assets/img/Slide3.PNG">
                                                                                                          </div>
                                                                                                            <div class="item
active">
                                                                                                                       <img
src="./assets/img/Slide2.PNG">
                                                                                                          </div>
                                                                                                  </div><!-- carousel-inner --
                                                                                       </div><!-- carousel -->
                                                                             </div><!-- testimonial-slider -->
                                                                    </div><!-- testimonial-container -->
                                                          </div><!-- col-12 -->
                                                </div><!-- row -->
                                       </div><!-- container -->
                             </div><!-- testimonial -->
                   </section><!-- section-5 -->
                   <div class="section-faq">
                             <div class="container">
                                       <div class="row">
                                                <div class="col-md-12 col-sm-12 col-xs-12">
                                                          <h2 class="heading2">Frequently Asked Questions</h2>
                                                          <div class="panel-group" id="accordion">
                                                                   <div class="panel panel-default">
                                                                             <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse1" class="collapsed" aria-expanded="false">
                                                                                                                   What is a
chatbot and how it works?</a>
                                                                                       </h4>
                                                                             </div>
                                                                                    <divid="collapse1" class="panel-collapse</pre>
collapse" aria-expanded="false">
                                                                                       <!-- in -->
                                                                                       <div class="panel-body">
                                                                                                        >Defined simply, a
chatbot is an Al-based programme that can communicate with
                                                                                                           human beings by
means of text or voice. Chatbots are typically integrated
                                                                                                             with messaging
channels, websites or mobile apps to offer answers to
                                                                                                                   customer
queries.
                                                                                                     Chatbots are of two
types: rule-based chatbots and AI chatbots. Rule-based
                                                                                                           chatbots provide
```

pre-defined answers to specific questions they have been

```
programmed
with. These use a simple true-false algorithm to comprehend user
                                                                                                          queries and offer
suitable answers.
                                                                                                Al chatbots are trained
using sophisticated machine learning algorithms, so
                                                                                                          they understand
not just the query but also the context behind the same.
                                                                                                           This kind of bot
learns from previous interactions and improves its
                                                                                                          intelligence with
time.
                                                                                     </div>
                                                                            </div>
                                                                  </div><!-- panel -->
                                                                  <div class="panel panel-default">
                                                                            <div class="panel-header">
                                                                                      <h4 class="panel-title">
                                                                                                 <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse2" class="collapsed" aria-expanded="false">
                                                                                                          How do I turn on
Socio Chatbot?</a>
                                                                                     </h4>
                                                                            </div>
                                                                                  <divid="collapse2" class="panel-collapse</pre>
collapse" aria-expanded="false">
                                                                                     <!-- in -->
                                                                                     <div class="panel-body">
                                                                                                   First Open the Socio
Website Using this Url www.Socio.epizy.com
                                                                                                   Next, On the bottom
right click on the Chatbot icon to interact with Socio
                                                                                     </div>
                                                                            </div>
                                                                  </div><!-- panel -->
                                                                  <div class="panel panel-default">
                                                                            <div class="panel-header">
                                                                                     <h4 class="panel-title">
                                                                                                 <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse3" class="collapsed" aria-expanded="false">
                                                                                                           What is natural
language processing?</a>
                                                                                     </h4>
                                                                            </div>
                                                                                  <div id="collapse3" class="panel-collapse
collapse" aria-expanded="false">
                                                                                     <!-- in -->
```

processing or NLP is a sub-domain of Artificial Intelligence

<div class="panel-body">

Natural language

(AI) that pertains

```
to the interactions between computers and natural human
                                                                                                              language. NLP
aims to teach computers text and spoken words, recognise
                                                                                                                 speech and
generate natural-sounding speech.
                                                                                       </div>
                                                                             </div>
                                                                    </div><!-- panel -->
                                                                    <div class="panel panel-default">
                                                                             <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse4" class="collapsed" aria-expanded="false">
                                                                                                             How will I know
if a chatbot is right for my business?</a>
                                                                                       </h4>
                                                                             </div>
                                                                                    <divid="collapse4" class="panel-collapse</pre>
collapse" aria-expanded="false">
                                                                                       <!-- in -->
                                                                                       <div class="panel-body">
                                                                                                               There is a
misconception that chatbots are needed only in certain scenarios.
                                                                                                                In actuality,
chatbots are useful for all kinds of businesses, no matter
                                                                                                               their size and
domain.
                                                                                                   So, even if you serve a
very small customer base, which is a likely scenario
                                                                                                                if are a small
organisation, chatbots will benefit your business.
                                                                                                 </div>
                                                                             </div>
                                                                    </div><!-- panel -->
                                                                    <div class="panel panel-default">
                                                                             <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse5" class="collapsed" aria-expanded="false">
                                                                                                               Are there any
security issues with a chatbot?</a>
                                                                                       </h4>
                                                                             </div>
                                                                                   <div id="collapse5" class="panel-collapse
collapse" aria-expanded="false">
                                                                                       <!-- in -->
                                                                                       <div class="panel-body">
                                                                                                   First of all, no security
issues are specific to chatbots. Plus, if your
                                                                                                                website and
```

technology stack are set up securely and you have implemented

from an agent.

your data, there's simply no need to worry about a breach.

The chatbot volume distribution for any business varies

```
</div>
                                                                             </div>
                                                                    </div><!-- panel -->
                                                                    <div class="panel panel-default">
                                                                             <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse6" class="collapsed" aria-expanded="false">
                                                                                                                    How can
chatbots help me with regard to customer service?</a>
                                                                                       </h4>
                                                                             </div>
                                                                                    <divid="collapse6" class="panel-collapse</pre>
collapse" aria-expanded="false">
                                                                                       <!-- in -->
                                                                                       <div class="panel-body">
                                                                                                     The straightforward
answer is-a lot. A chatbot can be thought of as a virtual
                                                                                                              assistant. They
can do things that can bring a visible difference in your
                                                                                                             results-address
your end-users by their name, help with product
                                                                                                                 availability,
search for a particular product, answer frequently asked
                                                                                                                  questions,
update on order status, and even collect leads on behalf of your
                                                                                                           agents.
                                                                                       </div>
                                                                             </div>
                                                                    </div><!-- panel -->
                                                                    <div class="panel panel-default">
                                                                             <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse7" class="collapsed" aria-expanded="false">
                                                                                                           What percentage
of chats can a bot handle?</a>
                                                                                       </h4>
                                                                             </div>
                                                                                   <div id="collapse7" class="panel-collapse
collapse" aria-expanded="false">
                                                                                       <!-- in -->
                                                                                       <div class="panel-body">
                                                                                                    According to a recent
study, chatbots currently handle around 60% of all chat
                                                                                                           interactions, 25%
of these are handled solely by a chatbot, with no support
```

```
between peak
and non-peak hours.
                                                                                                    >During peak hours,
chatbots can be your first line of defence for frequently
                                                                                                          asked questions.
Queries with urgent issues or those from privileged
                                                                                                                customers
should, however, be instantly transferred to human agents.
                                                                                                      During non-peak
hours, on the contrary, your chatbot can be the first point
                                                                                                          of contact for all
your queries. Complex offline messages can be passed on
                                                                                                          to an agent later
on.
                                                                                     </div>
                                                                            </div>
                                                                  </div><!-- panel -->
                                                                  <div class="panel panel-default">
                                                                            <div class="panel-header">
                                                                                     <h4 class="panel-title">
                                                                                                 <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse8" class="collapsed" aria-expanded="false">
                                                                                                          Can one chatbot
work on many channels?</a>
                                                                                     </h4>
                                                                            </div>
                                                                                  <div id="collapse8" class="panel-collapse
collapse" aria-expanded="false">
                                                                                     <!-- in -->
                                                                                     <div class="panel-body">
                                                                                                      Of course, it can.
Chatbot solutions like ours have omnichannel capabilities.
                                                                                                           This means you
need to build just one chatbot and deploy it across multiple
                                                                                                                channels-
website, SMS, Facebook Messenger, WhatsApp, etc. This also means
                                                                                                          you can manage
queries coming in from different platforms using a single
                                                                                                        inbox. 
                                                                                     </div>
                                                                            </div>
                                                                  </div><!-- panel -->
                                                                  <div class="panel panel-default">
                                                                            <div class="panel-header">
                                                                                     <h4 class="panel-title">
                                                                                                 <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse9" class="collapsed" aria-expanded="false">
```

data training if I have an AI chatbot?

Why do I need

</h4>

<div id="collapse9" class="panel-collapse

</div>

```
collapse" aria-expanded="false">
                                                                                       <!-- in -->
                                                                                       <div class="panel-body">
                                                                                                   An AI chatbot relies on
machine learning models to reinforce its capabilities
                                                                                                              over time. The
more data this model is fed with, the more intuitive it
                                                                                                               becomes. So,
while your AI chatbot will definitely learn from past
                                                                                                            conversations, it
is recommended that you train it with queries your
                                                                                                            visitors are likely
to ask.
                                                                                       </div>
                                                                             </div>
                                                                    </div><!-- panel -->
                                                                    <div class="panel panel-default">
                                                                             <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse10" class="collapsed" aria-expanded="false">
                                                                                                                       What
information sources does a chatbot use?</a>
                                                                                       </h4>
                                                                             </div>
                                                                                  <divid="collapse10" class="panel-collapse</pre>
collapse" aria-expanded="false">
                                                                                       <!-- in -->
                                                                                       <div class="panel-body">
                                                                                                         For a chatbot to
communicate with your end-users in a meaningful way, it is
                                                                                                                vital that the
program is able to access your data sources-business data,
                                                                                                               website data,
internal databases, documents, knowledge base, etc. Open-APIs
                                                                                                            can be helpful in
such scenarios. 
                                                                                       </div>
                                                                             </div>
                                                                    </div><!-- panel -->
                                                                    <div class="panel panel-default">
                                                                             <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse11" class="" aria-expanded="true">
                                                                                                             What are some
key features of your chatbot solution Socio?</a>
                                                                                       </h4>
                                                                             </div>
                                                                                  <div id="collapse11" class="panel-collapse
collapse in" aria-expanded="true">
```

<!-- in -->

```
Socio is equipped with
several highly coveted features, some of which are as
                                                                                                      follows:
                                                                                             Natural
Language Understanding: Socio has advanced natural language
capabilities, as a result of which it can understand the context of what
                                                                                                                is being
written or spoken and formulate a suitable response. 
                                                                                                                Chat
Analytics: Because it can seamlessly integrate with your CRM
platform, Socio offers a bunch of immensely useful analytical metrics
                                                                                                                    that
you can keep track of. 
                                                                                                            Pre-Built
Generic Intents: Our chatbot solution comes with pre-built
                                                                                                                 generic
intents to greet the visitor, reply to objectional messages, and
                                                                                                                 engage
in simple conversations. This takes a lot of work off your
shoulders.
                                                                                                          Quicklinks:
Quicklinks is a collection of links that help a customer
navigate through the chat interface easily by suggesting topics he may
                                                                                                                     be
interested in.
                                                                                                         Auto-Intent
Classification: Our auto-intent classification feature uses
                                                                                                                  NLP to
associate words or phrases with a particular intent.
                                                                                                           Code-free
Development: Socio has an intuitive builder that lets you
                                                                                                                  devise
a chatbot solution without requiring any knowledge of coding.
                                                                                                       </div>
                                                                           </div>
                                                                 </div><!-- panel -->
                                                                 <div class="panel panel-default">
                                                                           <div class="panel-header">
                                                                                    <h4 class="panel-title">
                                                                                               <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse12" class="collapsed" aria-expanded="false">
                                                                                                          How can Socio
help my business?</a>
                                                                                    </h4>
                                                                          </div>
```

collapse" aria-expanded="false"

<div class="panel-body">

<div id="collapse12" class="panel-collapse

```
style="height: 0px;">
                                                                                     <div class="panel-body">
                                                                                                    Socio automates a
number of tasks related to customer service, so you can
                                                                                                            focus on more
intricate work demanding human intervention. 
                                                                                                  Our chatbot solution
instantly understands and responds to queries on many of
                                                                                                          your messaging
platforms. As a result, your customers don't need to connect
                                                                                                            with a human
agent for everything. It can also handle multiple conversations
                                                                                                          simultaneously,
schedule appointments and collect user feedback. This way,
                                                                                                          you can manage
hundreds of customers in a hassle-free manner.
                                                                                     </div>
                                                                           </div>
                                                                  </div><!-- panel -->
                                                                  <div class="panel panel-default">
                                                                           <div class="panel-header">
                                                                                     <h4 class="panel-title">
                                                                                                 <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse13" class="collapsed" aria-expanded="false">
                                                                                                           Which channel
does Socio support?</a>
                                                                                     </h4>
                                                                           </div>
                                                                                <divid="collapse13" class="panel-collapse</pre>
collapse" aria-expanded="false"
                                                                                     style="height: 0px;">
                                                                                     <div class="panel-body">
                                                                                                      Socio is an omni-
channel solution which means you can engage your customers
                                                                                                          on the platform
they spend most of their time on, be it your website,
                                                                                                                Facebook
Messenger, WhatsApp, Slack or Hangouts. This way, you can manage
                                                                                                           queries from a
large number of platforms and broaden your reach. 
                                                                                     </div>
                                                                           </div>
                                                                  </div><!-- panel -->
                                                                  <div class="panel panel-default">
                                                                           <div class="panel-header">
                                                                                     <h4 class="panel-title">
                                                                                                 <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse14" class="collapsed" aria-expanded="false">
                                                                                                              Do I need to
have programming skills to start with Socio?</a>
```

</h4>

</div>

```
<div id="collapse14" class="panel-collapse
collapse" aria-expanded="false"
                                                                                       style="height: 0px;">
                                                                                       <div class="panel-body">
                                                                                                     Absolutely not. With
our chatbot service, you just have to choose a template
                                                                                                               that applies to
your area of business and edit the template by adding a
                                                                                                                      custom
conversation flow to the bot.
                                                                                       </div>
                                                                              </div>
                                                                    </div><!-- panel -->
                                                                    <div class="panel panel-default">
                                                                              <div class="panel-header">
                                                                                       <h4 class="panel-title">
                                                                                                   <a data-toggle="collapse"
data-parent="#accordion"
href="#collapse15" class="collapsed" aria-expanded="false">
                                                                                                                    Are your
chatbots multilingual?</a>
                                                                                       </h4>
                                                                              </div>
                                                                                   <divid="collapse15" class="panel-collapse</pre>
collapse" aria-expanded="false"
                                                                                       style="height: 0px;">
                                                                                       <div class="panel-body">
                                                                                                       Yes, they are. With
Socio, we deliver multilingual support in English, Hindi,
                                                                                                                  and several
regional languages. Our chatbot solution is trained to
                                                                                                              understand the
nuances of a language and respond naturally and accurately.
                                                                                                 </div>
                                                                              </div>
                                                                    </div><!-- panel -->
                                                          </div><!-- accordion -->
                                                </div><!-- col-12 -->
                                       </div><!-- row -->
                             </div><!-- container -->
                   </div><!-- section-1 -->
          </div><!-- content-area -->
<!---- footer ---->
<footer>
  <section class="top-footer">
    <div class="container">
      <div class="row">
         <div class="col-md-4 col-sm-4 col-xs-12">
```

<div class="footer-logo">

```
<img src="../assets/img/socio-lgc.png">
          </div><!-- footer-logo -->
        </div><!-- col-4 -->
        <div class="col-md-4 col-sm-4 col-xs-12">
          <nav class="footer-nav">
              <a href="#">Declaration</a>
              <a href="">Privacy Policy</a>
              <a href="#">Terms of Service</a>
            </nav><!-- footer-nav -->
        </div><!-- col-4 -->
        <div class="col-md-4 col-sm-4 col-xs-12">
          <div class="social-icon">
            <a href="#"><i class="fa fa-facebook" aria-hidden="true"></i></a>
              <a href="#"><i class="fa fa-linkedin" aria-hidden="true"></i></a>
              <a href="#"><i class="fa fa-twitter" aria-hidden="true"></i></a>
              <a href="#"><i class="fa fa-instagram" aria-hidden="true"></i></a>
              <a href="#"><i class="fa fa-youtube-play" aria-hidden="true"></i></a>
              </div><!-- social-icon -->
        </div><!-- col-4 -->
      </div><!-- row -->
    </div><!-- containr -->
  </section><!-- top-footer -->
  <section class="footer-info">
    <div class="container">
      <div class="row">
        <div class="col-md-6 col-sm-6 col-xs-12 foo-left">
          Socio. © 2022. All rights reserved. 
        </div><!-- col-6 -->
        <div class="col-md-6 col-sm-6 col-xs-12 foo-right">
          Oesign & Developed by Team <a href="">TFLEX</a>
        </div><!-- col-6 -->
      </div><!-- row -->
    </div><!-- containr -->
  </section><!-- footer-info -->
</footer>
<script>
  window.onscroll = function () { myFunction() };
 var header = document.getElementById("myHeader");
  var sticky = header.offsetTop;
  function myFunction() {
    if (window.pageYOffset > sticky) {
      header.classList.add("sticky");
    } else {
```

```
header.classList.remove("sticky");
    }
 }
</script>
<script type="text/javascript">
  // Wrap every letter in a span
  var textWrapper = document.guerySelector('.ml11 .letters');
  textWrapper.innerHTML = textWrapper.textContent.replace(/([^\x00-\x80]|\w)/g, "<span class='letter'>$&</span>");
  anime.timeline({ loop: false })
    .add({
      targets: '.ml11 .line',
      scaleY: [0, 1],
      opacity: [0.5, 1],
      easing: "easeOutExpo",
      duration: 700
    })
    .add({
      targets: '.ml11 .line',
      translateX: [0, document.querySelector('.ml11 .letters').getBoundingClientRect().width + 10],
      easing: "easeOutExpo",
      duration: 700,
      opacity: 0,
      delay: 100
    }).add({
      targets: '.ml11 .letter',
      opacity: [0, 1],
      easing: "easeOutExpo",
      duration: 600.
      offset: '-=775',
      delay: (el, i) => 34 * (i + 1)
    }).add({
      targets: '.ml11',
      opacity: 1,
      duration: 1000,
      easing: "easeOutExpo",
      delay: 1000
    });
</script>
<script type="text/javascript">
  anime.timeline({ loop: false })
    .add({
      targets: '.ml15 .word',
      scale: [14, 1],
      opacity: [0, 1],
      easing: "easeOutCirc",
      duration: 800,
      delay: 2000
    }).add({
      targets: '.ml15',
      opacity: 1,
      duration: 1000,
      easing: "easeOutExpo",
      delay: 1000
    });
</script>
```

```
<script type="text/javascript">
  // Wrap every letter in a span
  var textWrapper = document.querySelector('.ml12');
  textWrapper.innerHTML = textWrapper.textContent.replace(\\S/g, "<span class='letter'>$&</span>");
  anime.timeline({ loop: false })
    .add({
      targets: '.ml12 .letter',
      translateX: [40, 0],
      translateZ: 0,
      opacity: [0, 1],
      easing: "easeOutExpo",
      delay: 3000,
      duration: 1200,
    })
</script>
<!-- IBM - Cloud -> Watson Assistant -->
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "44f8a8dc-51c8-4c89-a260-9f6ddf9b5362", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "d6a9a31d-b606-4560-babd-a6f7395f2d74", // The ID of your service instance.
    onLoad: function (instance) { instance.render(); }
  };
  setTimeout(function () {
    const t = document.createElement('script');
                                                "https://web-chat.global.assistant.watson.appdomain.cloud/versions/"
                                  t.src
(window.watsonAssistantChatOptions.clientVersion | | 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
<div>
  k rel="stylesheet" href="./Socio_files/font-awesome.min.css">
  <style>
    div#mic-btn {
      position: relative;
      width: 30px;
      height: 30px;
      text-align: center;
    }
    div#mic-btn img {
      position: absolute;
      left: 50%;
      top: 50%;
      width: 120px !important;
      height: 120px !important;
      transform: translate(-50%, -50%);
      max-width: initial;
    }
    div#mic-btn i {
      line-height: 30px;
      cursor: pointer;
    }
  </style>
  <div class="scroll-indicator"></div>
```

```
<script src="./assets/js/scroll-indicator.js"></script>
<grammarly-desktop-integration data-grammarly-shadow-root="true"></grammarly-desktop-integration>
</html>
```

The Other Files Included in the below File Names:

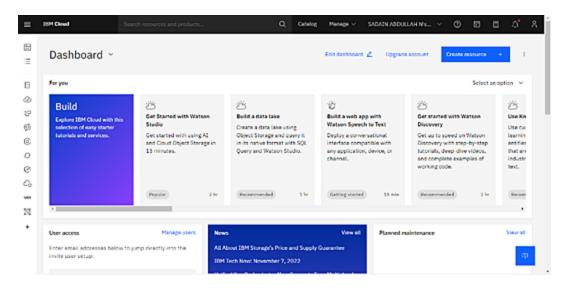
assets assets\css assets\css\blogs.css assets\img assets\js assets\js\scroll-indicator.js **Blogs** Blogs\bl-Chat.html Blogs\bl-Current.html Blogs\bl-Finance.html Blogs\bl-General.html Blogs\bl-Loan.html Blogs\bl-Netbanking.html Blogs\bl-savings.html Blogs\bl-Video.html Contact Contact\Contact.html login login\login-style.css login\login.html Socio_files Socio_files\anime.min.js Socio_files\banner-chat.js Socio_files\bootstrap.min.css Socio_files\bootstrap.min.js Socio_files\css2 Socio_files\css2(1) Socio_files\font-awesome.min.css Socio_files\jquery.min.js Socio_files\jquery.slicknav.min.js Socio_files\loader.js Socio_files\owl.carousel.js Socio_files\owl.carousel.min.css Socio_files\slicknav.css Socio_files\style.css Socio_files\styles.css Socio_files\underscore-min.js Blogs.html

faq.html features.html

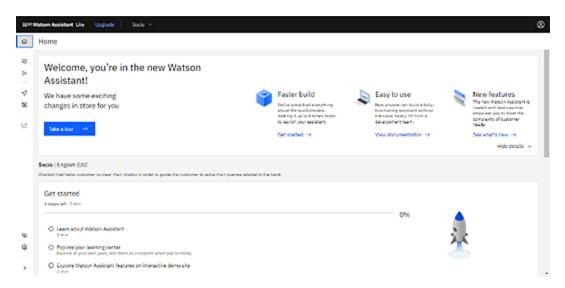
Snapshots:

IBM Cloud & IBM Watson Assistant:

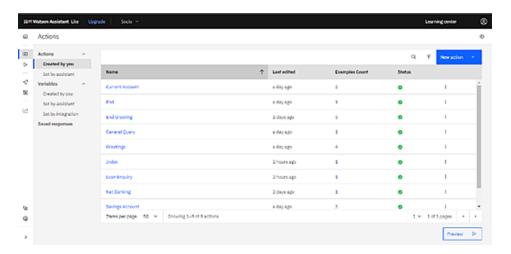
Steps-1: Creating IBM Cloud Account:



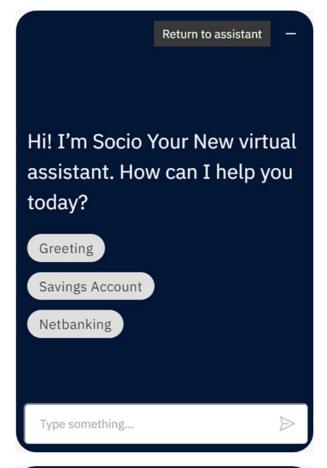
Steps-2: Creating Watson Assistant:

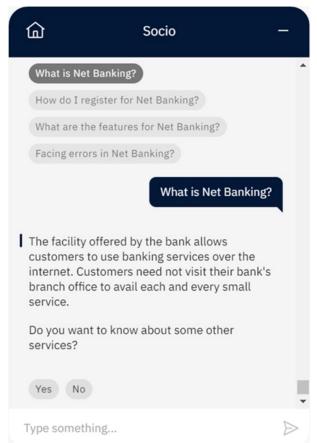


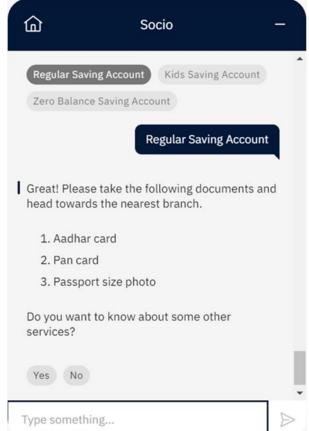
Steps-3: <u>Understanding Customer's Banking Related queries and skills:</u>

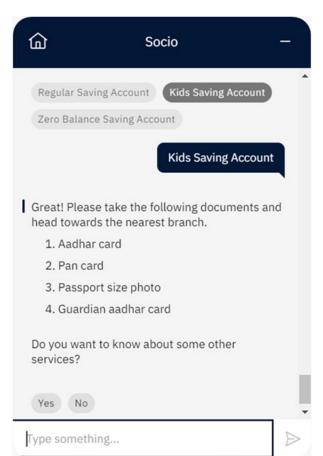


Chatbot:









GitHub & Project Demo Link

GitHub Link: https://github.com/IBM-EPBL/IBM-Project-12106-1659372335

Project Demo Link: https://youtu.be/v_uGAYcLt2M