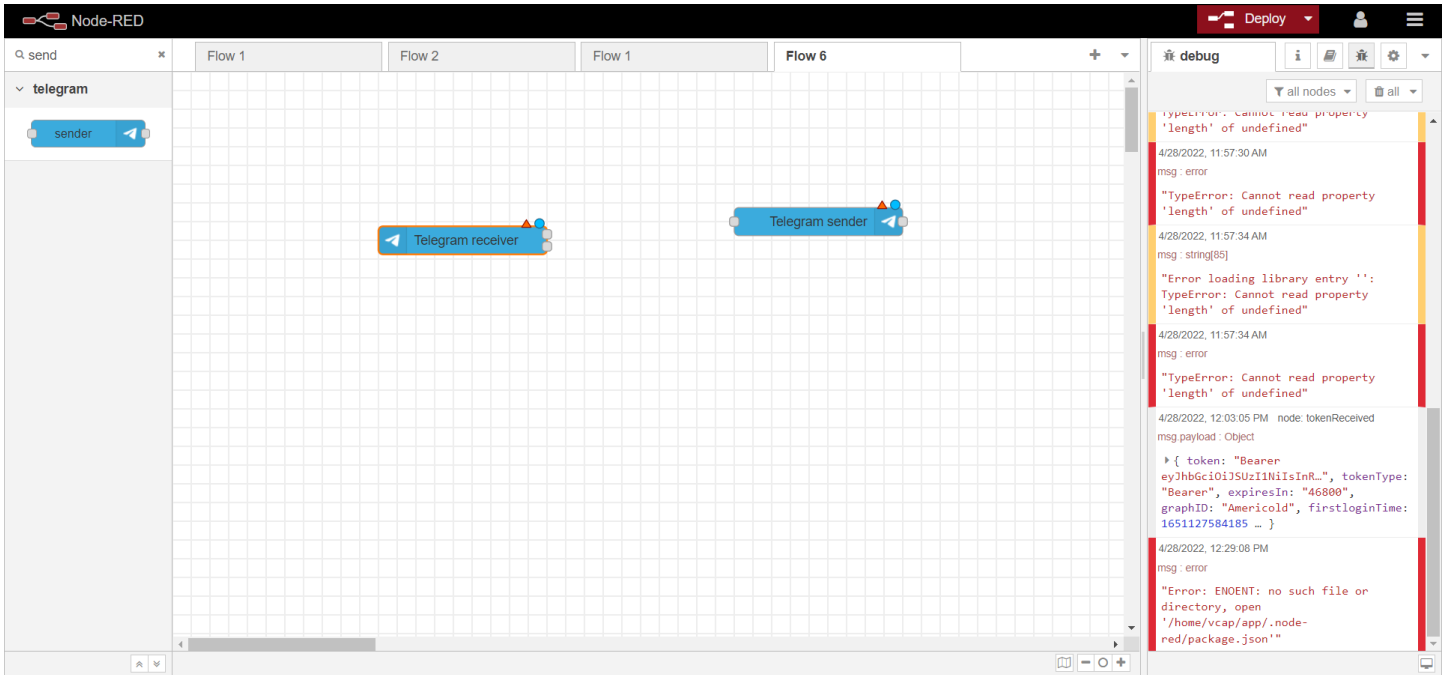
Experiment no. 9

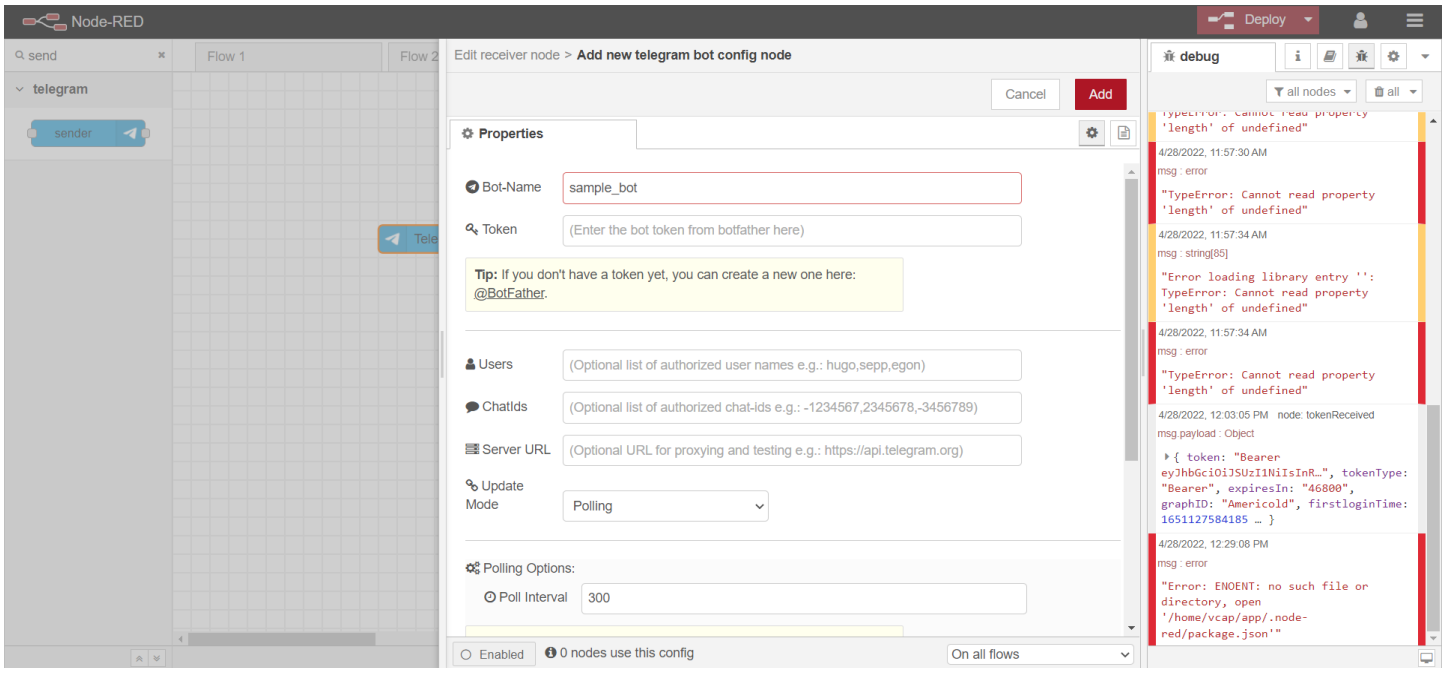
Student Name: Rishabh Anand **UID:** 19BCS4525
Branch: CSE-IOT **Section/Group:** 1-A
Semester: 6th **Date of Performance:** 05/05/2022
Subject Name: CCIOT Lab **Subject Code:** CSD-387

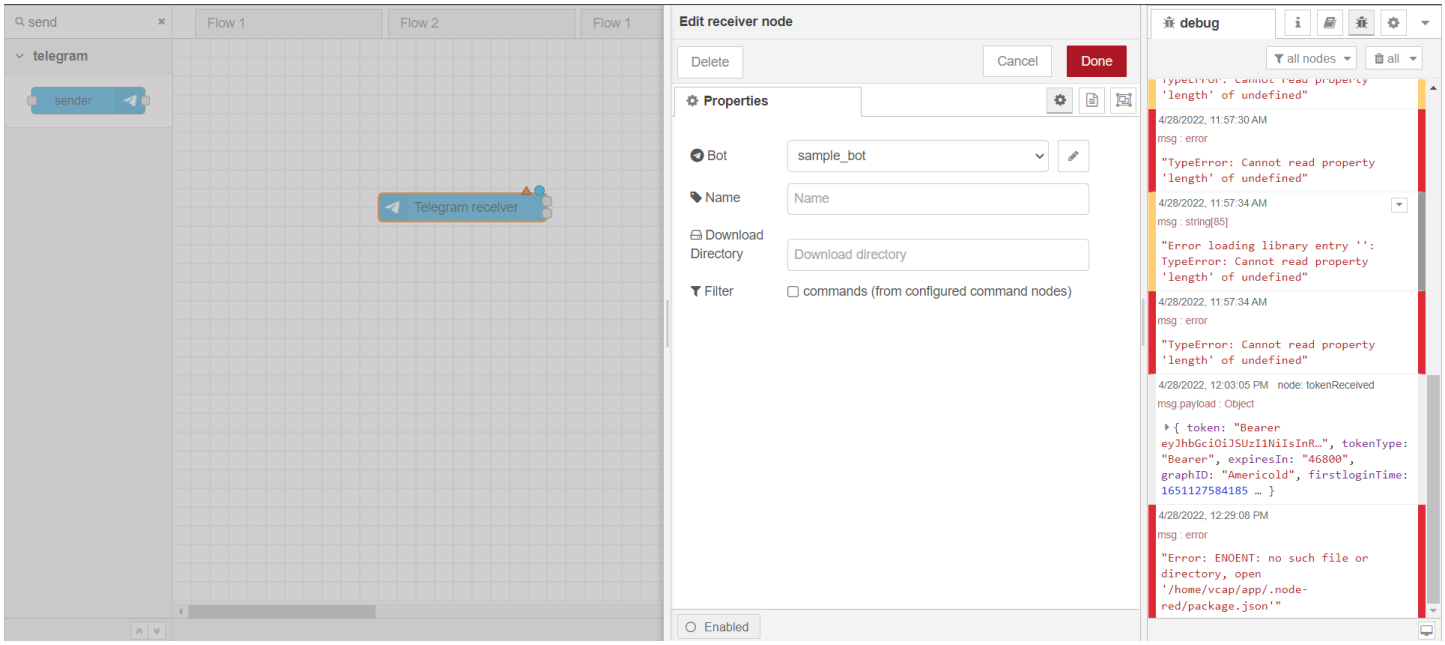
1. Aim/Overview of the practical:

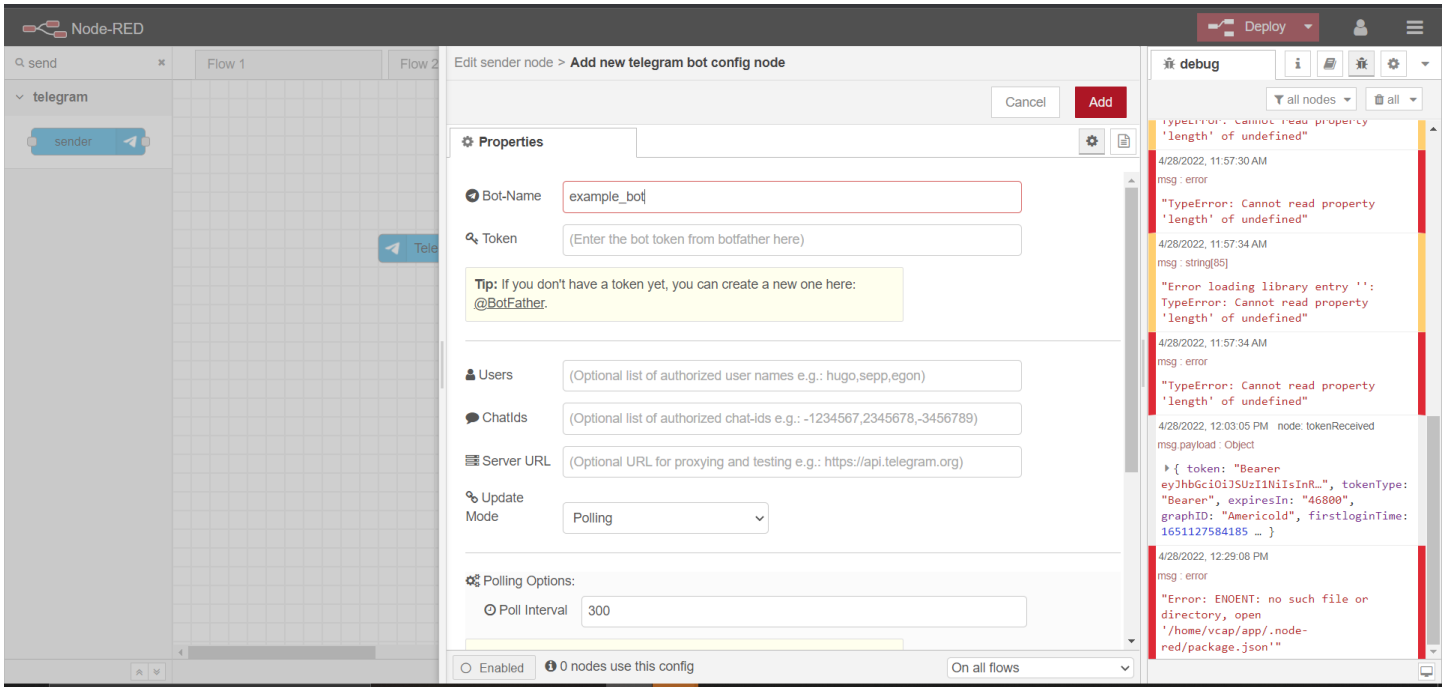
Use Terjmat to easily translate text from one of the available language to another.

2. Steps for experiment/practical:






send
Flow 1
Flow 2
Flow 1
telegram
sender
Telegram receiver
Edit receiver node
Delete
Cancel
Done
Properties
Bot
sample_bot
Name
Name
Download Directory
Download directory
Filter
commands (from configured command nodes)
Enabled
debug
all nodes
all
'length' of undefined"
4/28/2022, 11:57:30 AM
msg : error
"TypeError: Cannot read property 'length' of undefined"
4/28/2022, 11:57:34 AM
msg : string[85]
"Error loading library entry '': TypeError: Cannot read property 'length' of undefined"
4/28/2022, 11:57:34 AM
msg : error
"TypeError: Cannot read property 'length' of undefined"
4/28/2022, 12:03:05 PM node: tokenReceived
msg.payload : Object
{ token: "Bearer eyJhbGciOiJSUzI1NiIsInR…", tokenType: "Bearer", expiresIn: "46800", graphID: "Americold", firstloginTime: 1651127584185 … }
4/28/2022, 12:29:08 PM
msg : error
"Error: ENOENT: no such file or directory, open '/home/vcap/app/.node-red/package.json'"


Node-RED
Deploy
send
Flow 1
Flow 2
telegram
sender
Edit sender node > Add new telegram bot config node
Cancel
Add
Properties
Bot-Name
example_bot
Token
(Enter the bot token from botfather here)
Tip: If you don't have a token yet, you can create a new one here: @BotFather.
Users
(Optional list of authorized user names e.g.: hugo,sepp,egon)
ChatIds
(Optional list of authorized chat-ids e.g.: -1234567,2345678,-3456789)
Server URL
(Optional URL for proxying and testing e.g.: https://api.telegram.org)
Update Mode
Polling
Polling Options:
Poll Interval
300
Enabled
0 nodes use this config
On all flows
debug
all nodes
all
'length' of undefined"
4/28/2022, 11:57:30 AM
msg : error
"TypeError: Cannot read property 'length' of undefined"
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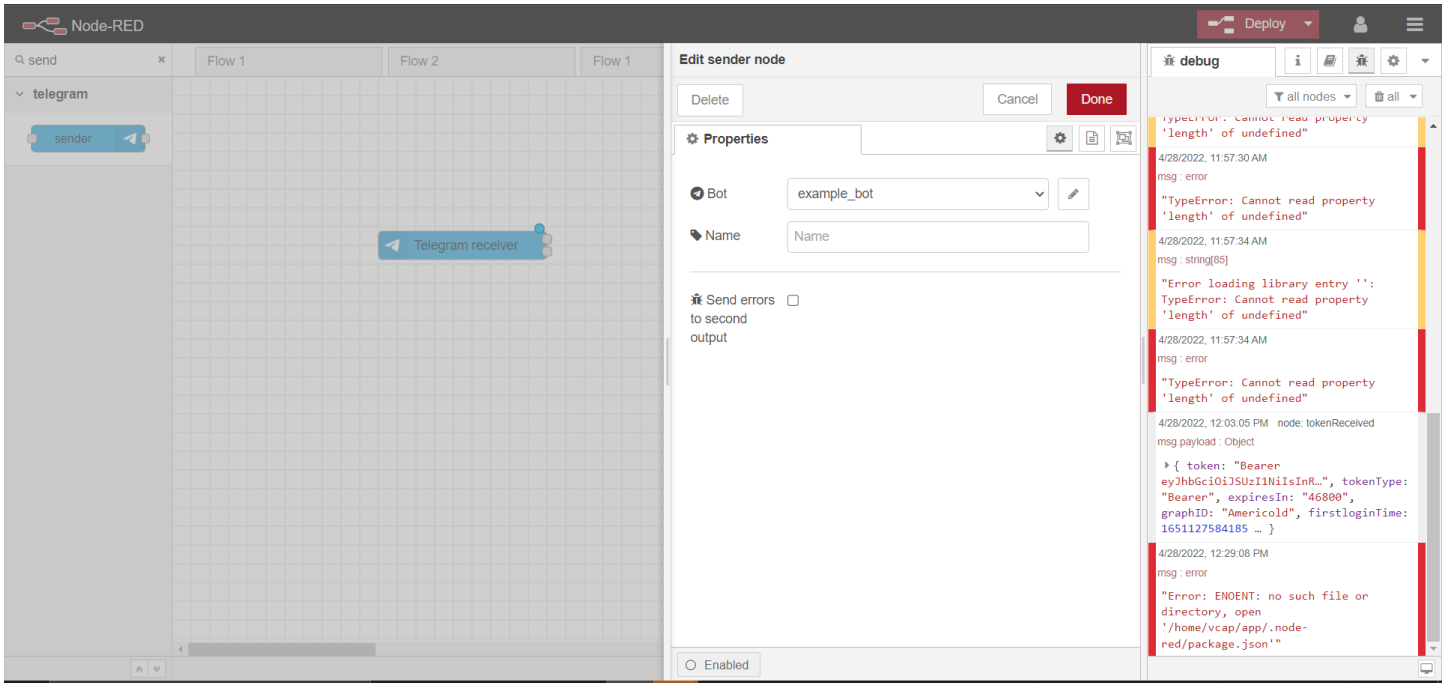
4/28/2022, 12:29:08 PM
msg : error
"Error: ENOENT: no such file or directory, open '/home/vcap/app/.node-red/package.json'"


Node-RED
Deploy
send
telegram
sender
Flow 1
Flow 2
Flow 1
Telegram receiver
Edit sender node
Delete
Cancel
Done
Properties
Bot
example_bot
Name
Name
Send errors to second output
Enabled
debug
all nodes
all
4/28/2022, 11:57:30 AM
msg : error
"TypeError: Cannot read property 'length' of undefined"
4/28/2022, 11:57:34 AM
msg : string[85]
"Error loading library entry '': TypeError: Cannot read property 'length' of undefined"
4/28/2022, 11:57:34 AM
msg : error
"TypeError: Cannot read property 'length' of undefined"
4/28/2022, 12:03:05 PM node: tokenReceived
msg.payload : Object
{ token: "Bearer eyJhbGciOiJSUzI1NiIsInR…", tokenType: "Bearer", expiresIn: "46800", graphID: "Americold", firstloginTime: 1651127584185 … }
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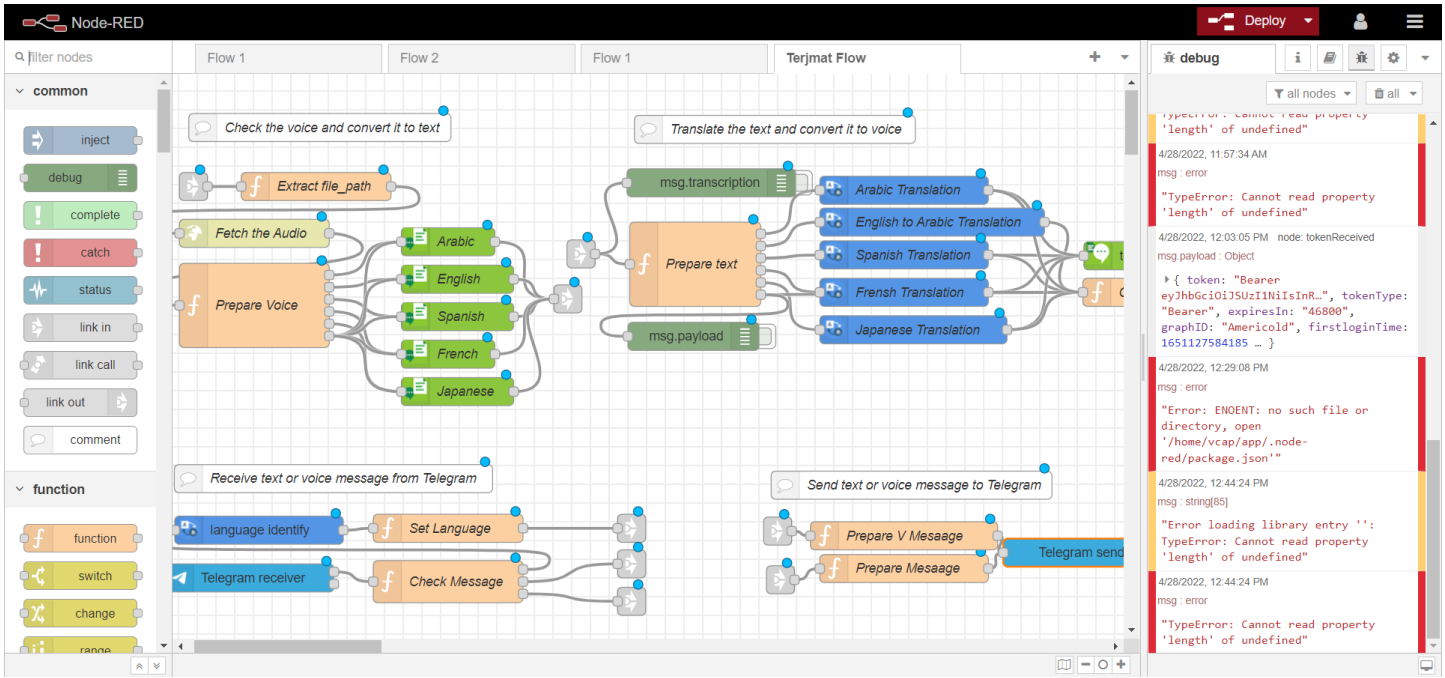
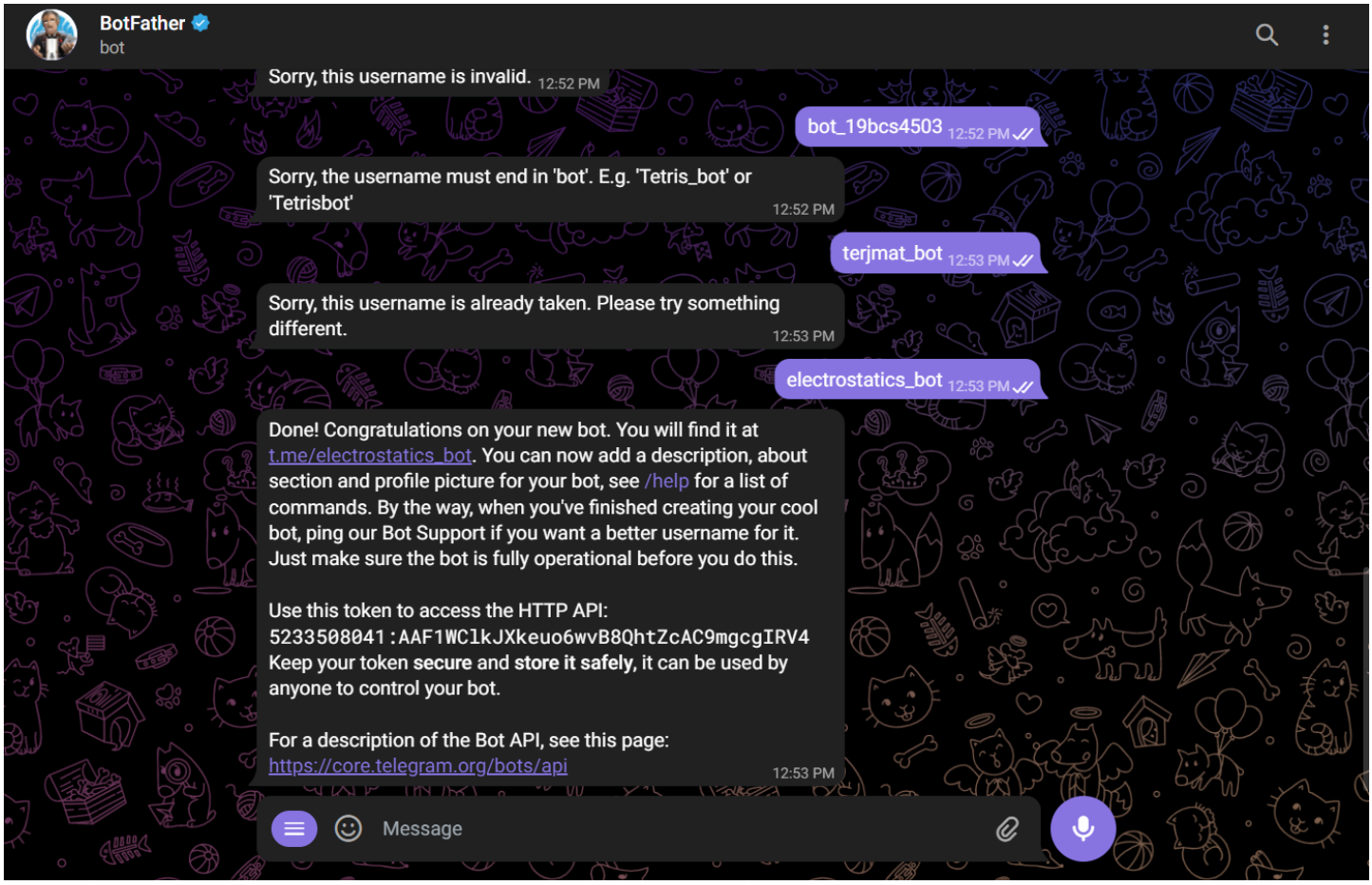
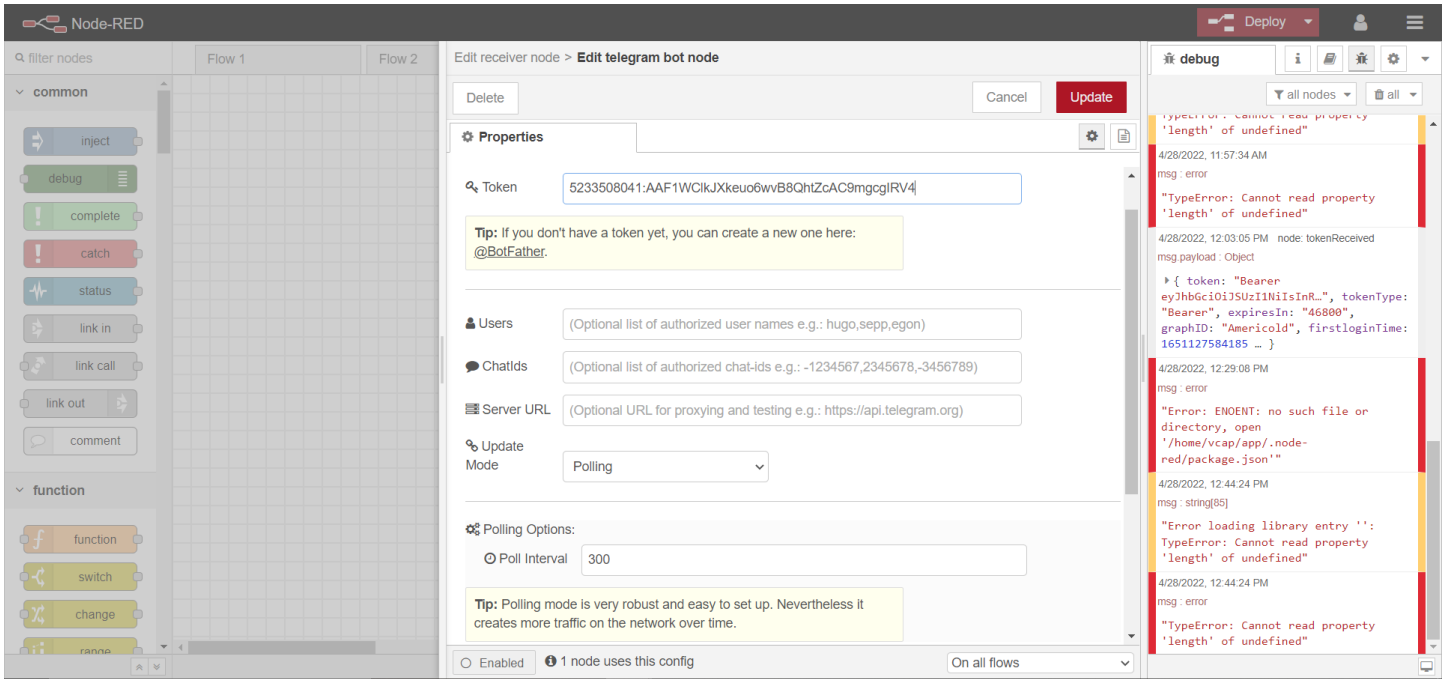
msg : error
"Error: ENOENT: no such file or directory, open '/home/vcap/app/.node-red/package.json'"


Node-RED
Deploy
filter nodes
Flow 1
Flow 2
Flow 1
Terjmat Flow
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
Check the voice and convert it to text
Extract file_path
Fetch the Audio
Prepare Voice
Arabic
English
Spanish
French
Japanese
Translate the text and convert it to voice
msg.transcription
Prepare text
msg.payload
Arabic Translation
English to Arabic Translation
Spanish Translation
Frensh Translation
Japanese Translation
Receive text or voice message from Telegram
language identify
Set Language
Telegram receiver
Check Message
Send text or voice message to Telegram
Prepare V Mesaage
Prepare Mesaage
Telegram send
debug
all nodes
all
4/28/2022, 11:57:34 AM
msg : error
"TypeError: Cannot read property 'length' of undefined"
4/28/2022, 12:03:05 PM node: tokenReceived
msg.payload : Object
{ token: "Bearer eyJhbGciOiJSUzI1NiIsInR…", tokenType: "Bearer", expiresIn: "46800", graphID: "Americold", firstloginTime: 1651127584185 … }
4/28/2022, 12:29:08 PM
msg : error
"Error: ENOENT: no such file or directory, open '/home/vcap/app/.node-red/package.json'"
4/28/2022, 12:44:24 PM
msg : string[85]
"Error loading library entry '': TypeError: Cannot read property 'length' of undefined"
4/28/2022, 12:44:24 PM
msg : error
"TypeError: Cannot read property 'length' of undefined"


BotFather
bot
Sorry, this username is invalid. 12:52 PM
bot_19bcs4503 12:52 PM
Sorry, the username must end in 'bot'. E.g. 'Tetris_bot' or 'Tetrisbot' 12:52 PM
terjmat_bot 12:53 PM
Sorry, this username is already taken. Please try something different. 12:53 PM
electrostatics_bot 12:53 PM
Done! Congratulations on your new bot. You will find it at t.me/electrostatics_bot. You can now add a description, about section and profile picture for your bot, see /help for a list of commands. By the way, when you've finished creating your cool bot, ping our Bot Support if you want a better username for it. Just make sure the bot is fully operational before you do this.
Use this token to access the HTTP API:
5233508041:AAF1WClkJXkeuo6wvB8QhtZcAC9mgcgIRV4
Keep your token secure and store it safely, it can be used by anyone to control your bot.
For a description of the Bot API, see this page:
https://core.telegram.org/bots/api
12:53 PM
Message


Node-RED
Deploy
Edit receiver node > Edit telegram bot node
Delete
Cancel
Update
Properties
Token
5233508041:AAF1WClkJXkeuo6wvB8QhtZcAC9mgcgIRV4
Tip: If you don't have a token yet, you can create a new one here: @BotFather.
Users
(Optional list of authorized user names e.g.: hugo,sepp,egon)
ChatIds
(Optional list of authorized chat-ids e.g.: -1234567,2345678,-3456789)
Server URL
(Optional URL for proxying and testing e.g.: https://api.telegram.org)
Update Mode
Polling
Polling Options:
Poll Interval
300
Tip: Polling mode is very robust and easy to set up. Nevertheless it creates more traffic on the network over time.
Enabled
1 node uses this config
On all flows
debug
4/28/2022, 11:57:34 AM
msg : error
"TypeError: Cannot read property 'length' of undefined"
4/28/2022, 12:03:05 PM node: tokenReceived
msg.payload : Object
4/28/2022, 12:29:08 PM
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"Error: ENOENT: no such file or directory, open '/home/vcap/app/.node-red/package.json'"
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msg : string[85]
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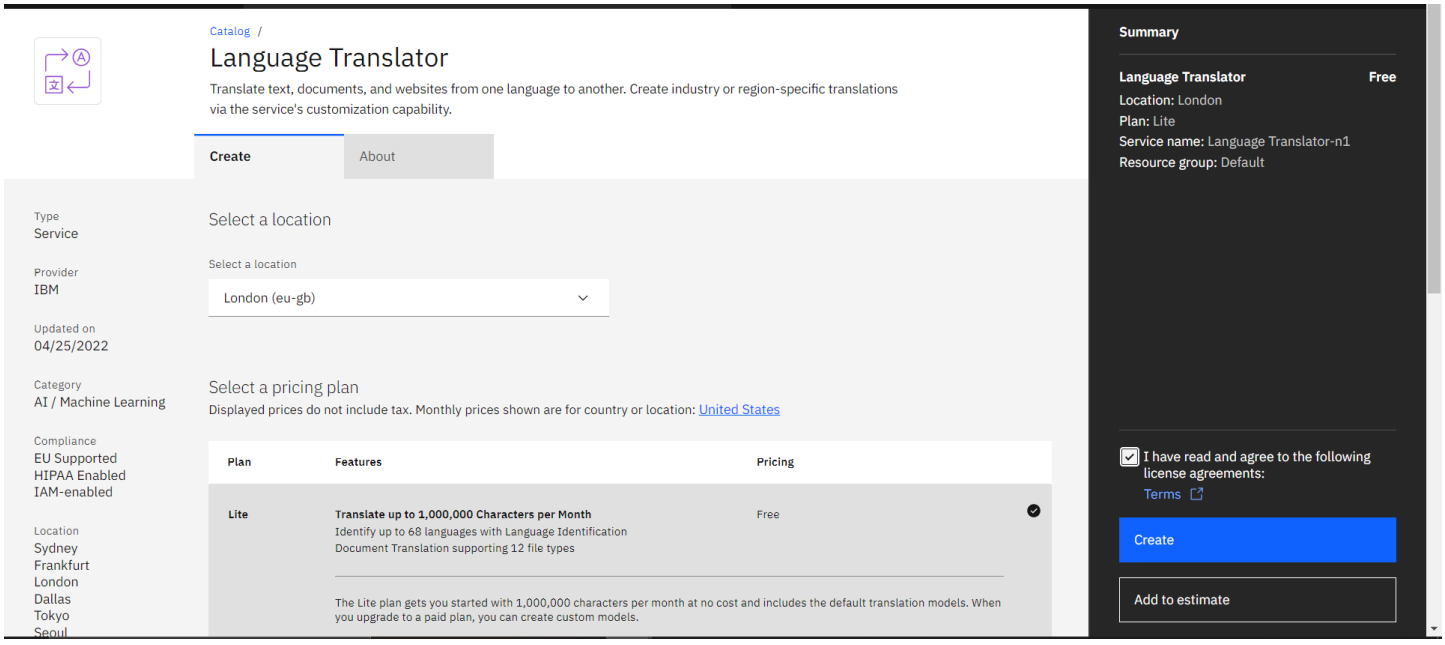
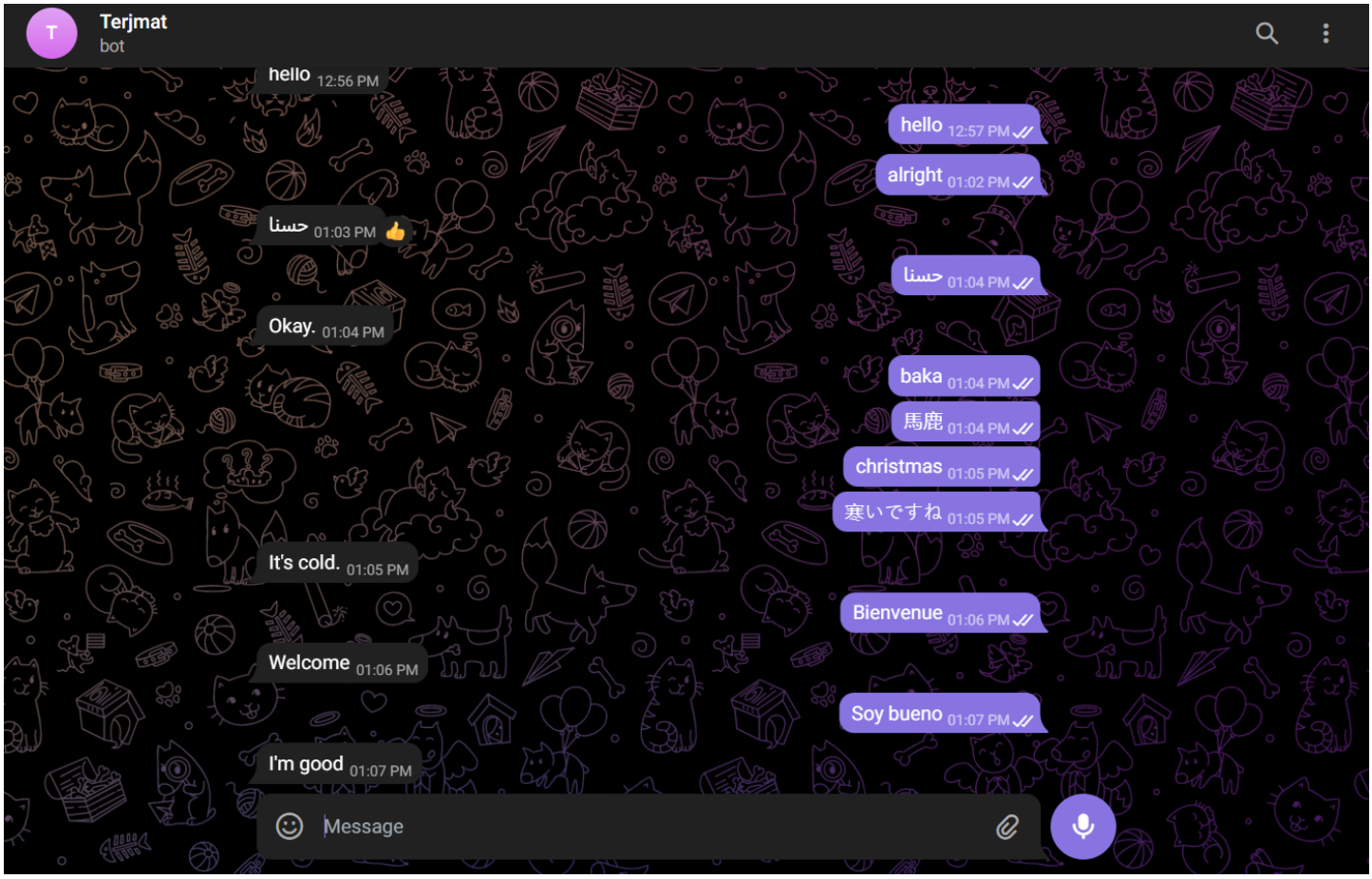
msg : error
"TypeError: Cannot read property 'length' of undefined"


Catalog /
Language Translator
Translate text, documents, and websites from one language to another. Create industry or region-specific translations via the service's customization capability.
Create
About
Type
Service
Provider
IBM
Updated on
04/25/2022
Category
AI / Machine Learning
Compliance
EU Supported
HIPAA Enabled
IAM-enabled
Location
Sydney
Frankfurt
London
Dallas
Tokyo
Seoul
Select a location
Select a location
London (eu-gb)
Select a pricing plan
Displayed prices do not include tax. Monthly prices shown are for country or location: United States
Plan
Features
Pricing
Lite
Translate up to 1,000,000 Characters per Month
Identify up to 68 languages with Language Identification
Document Translation supporting 12 file types
Free
The Lite plan gets you started with 1,000,000 characters per month at no cost and includes the default translation models. When you upgrade to a paid plan, you can create custom models.
Summary
Language Translator
Free
Location: London
Plan: Lite
Service name: Language Translator-n1
Resource group: Default
I have read and agree to the following license agreements:
Terms
Create
Add to estimate

3. Output: Image of sample output to be attached here



Learning outcomes (What I have learnt):

1. Use Terjmat to easily translate text.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			