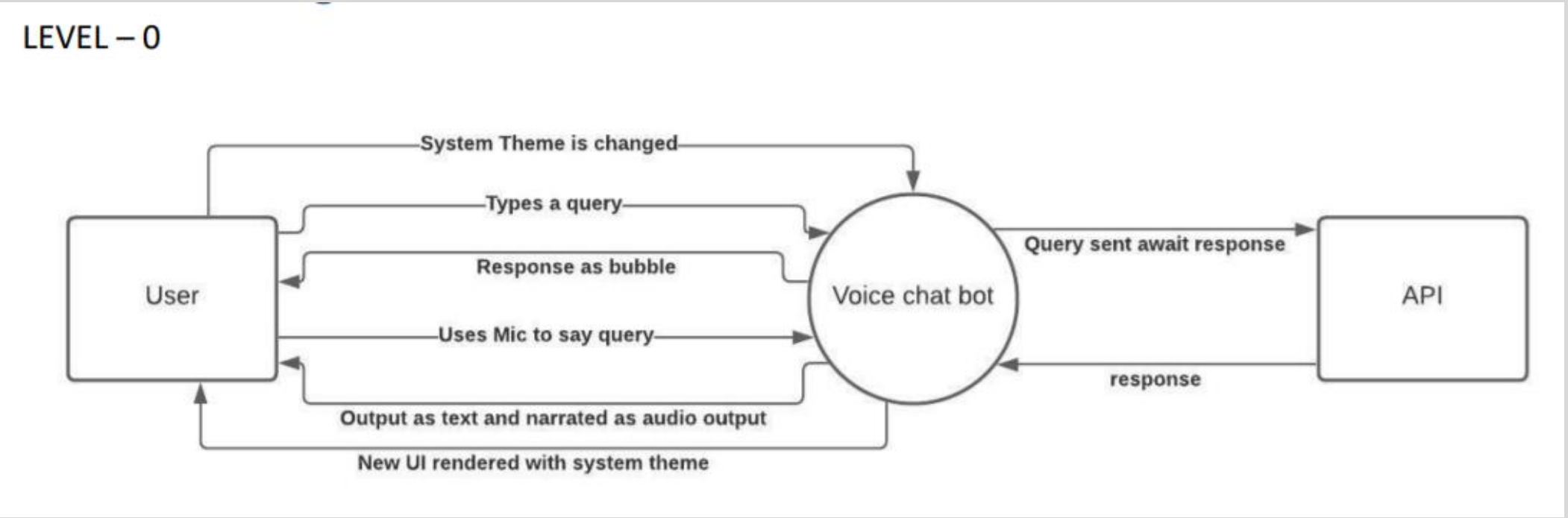
HCI REVIEW 2

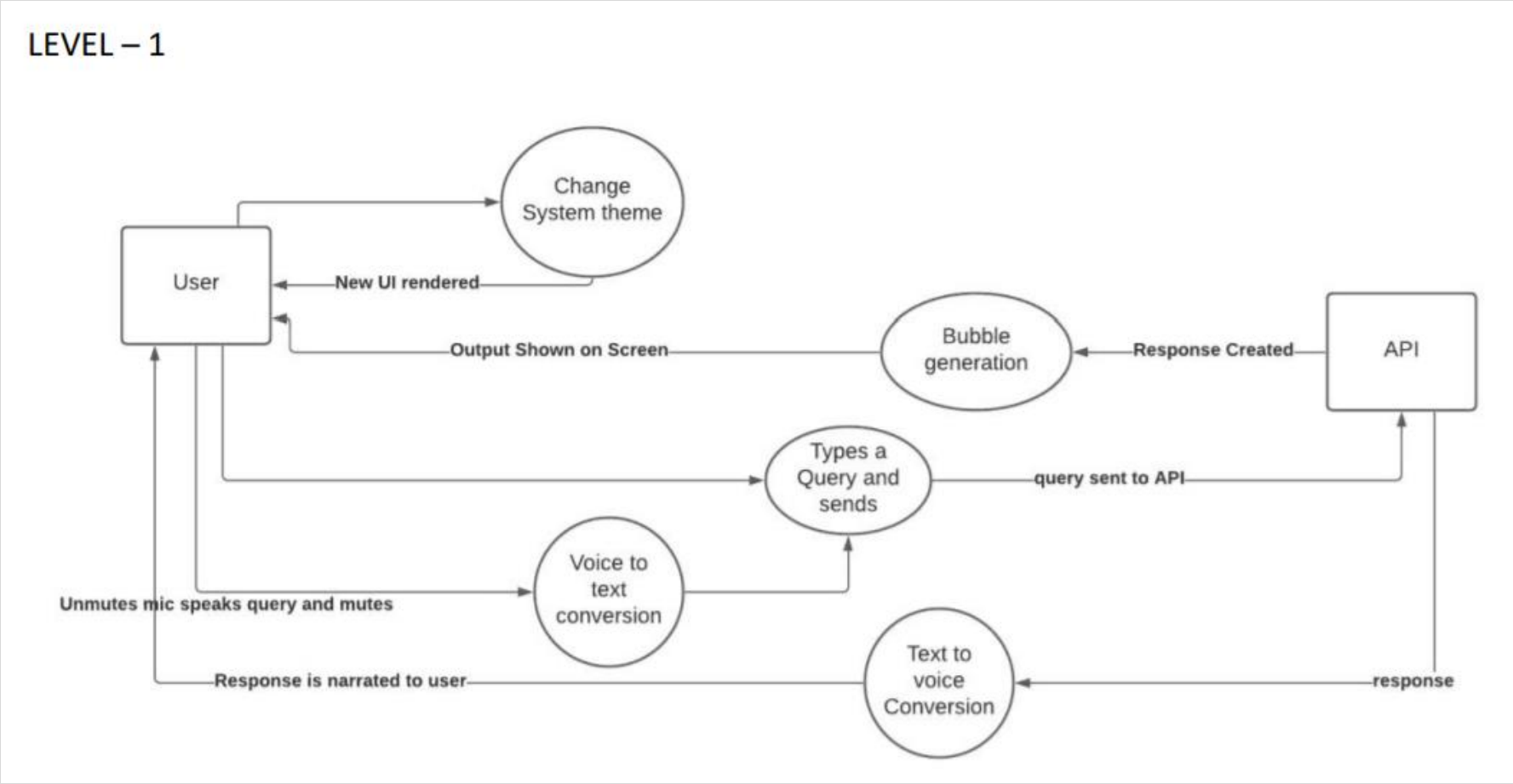
Chatbot for community based Forums

- Developed by:
- Arshdeep Singh 19BCB086
- Gurtavrein Singh 19BCE2101
- Arpit Khandelwal 19BCE0888

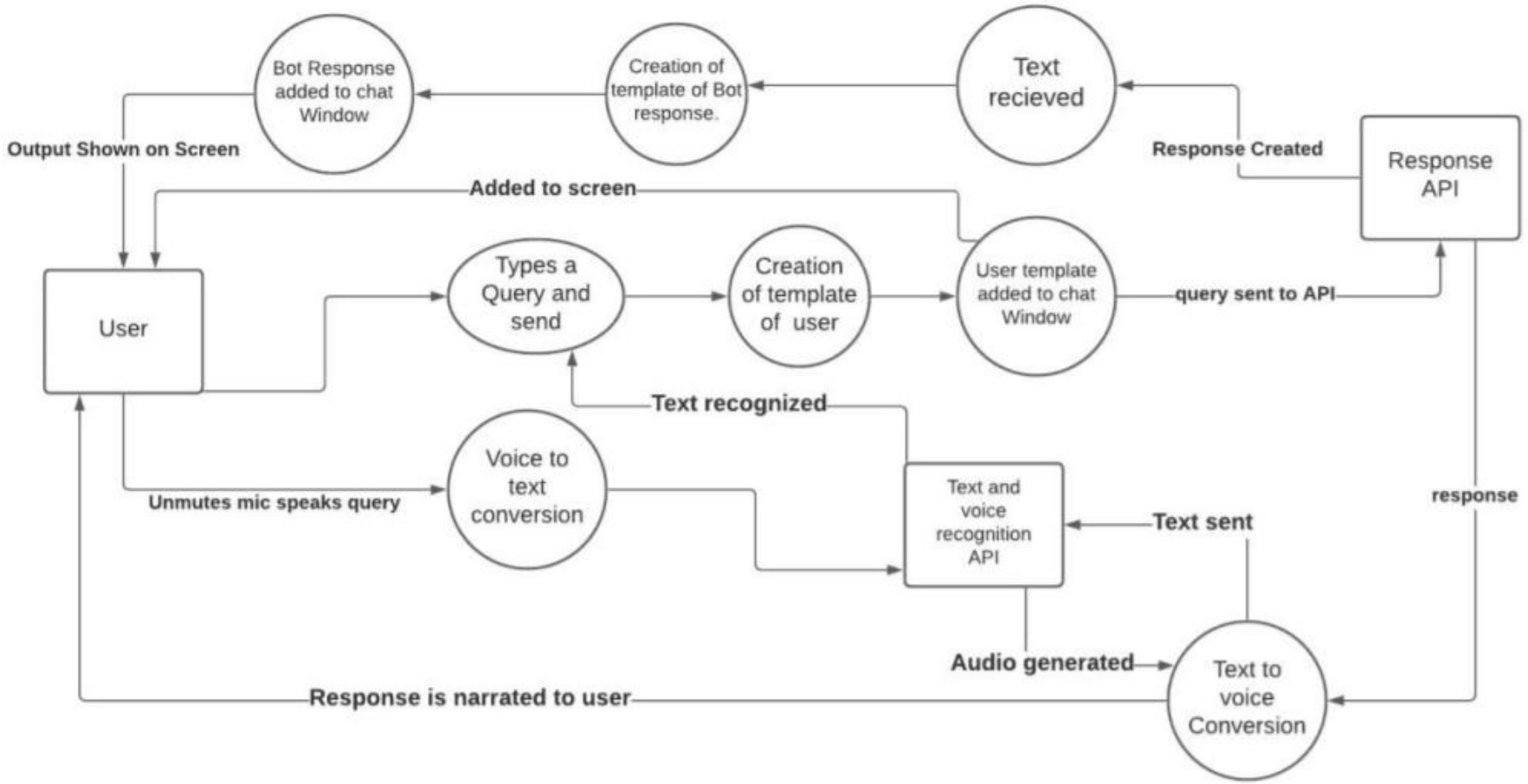
Context Diagram



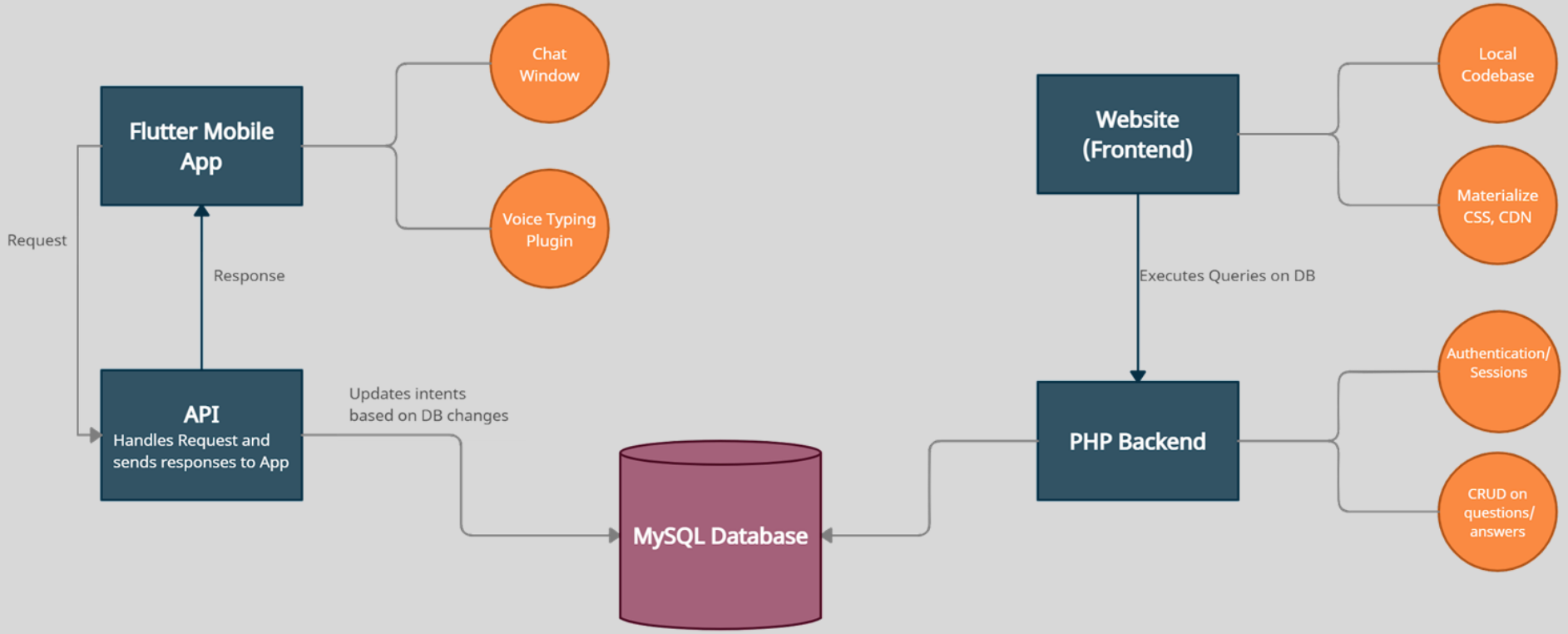
Data Flow Diagram



Level 2


Bot Response added to chat Window
Creation of template of Bot response.
Text recieved
Output Shown on Screen
Response Created
Response API
Added to screen
User
Types a Query and send
Creation of template of user
User template added to chat Window
query sent to API
Text recognized
Voice to text conversion
Unmutes mic speaks query
Text and voice recognition API
Text sent
response
Audio generated
Text to voice Conversion
Response is narrated to user

Module Diagram



https://app.creately.com/diagram/B7WrBeE63DO/edit

Module Description

Mobile App

Mobile app has 2 types of facilities to ask questions . We can either ask question by speaking or by typing the question. The answer is returned in same manner as asked. The App's API is connected with database of website which searches the question and answers it.

Website

Every user has his/her own account. User can answer any question, type question to get answer. In users profile, there is info of all the questions asked, answered etc.
There is also separate page to search all the question and questions can also be searched by categories. Whenever there is an unanswered question, user can answer it.

Contd.

API

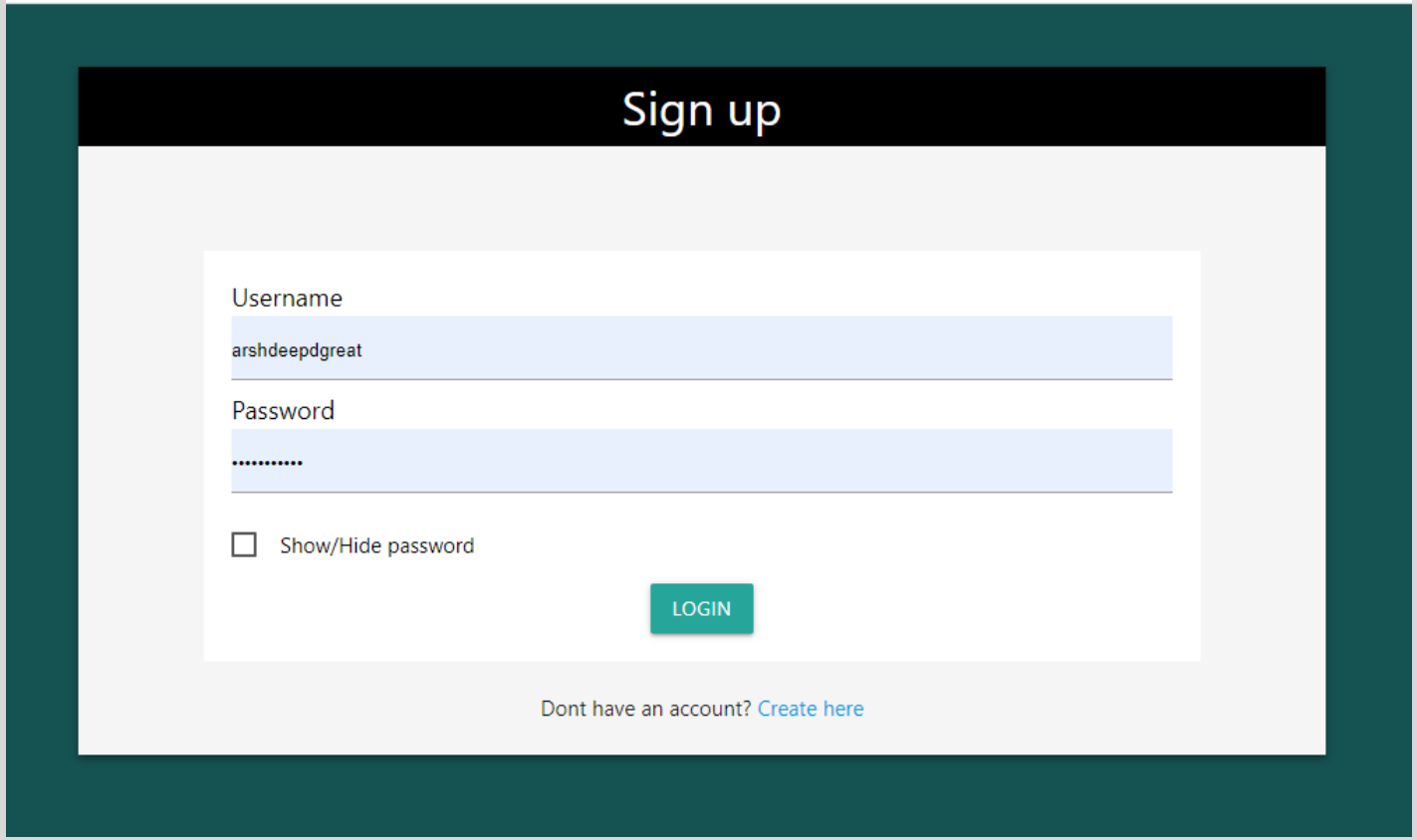
The Application Programming Interface allows the app and MySQL database to interact with each other. It relays the questions and answers to and from the app which in turn helps the voice module to convert received text from Database to speech

PHP Backend

The PHP backend helps authenticate and setup/destroy the sessions on website, and performs CRUD(create/read/update/delete) on MySQL database.

Demo & Screenshots

Login:



heading

Browse Categories Your Panel LOGOUT

Personal Details

Field	Details
Name:	Test
Email:	test@gmail.com
Date of Birth:	2002-02-18

EDIT DETAILS

Posted Questions

Your Panel
Presenting...
Give control
Stop presenting
localhost/hci/yourpanel.php

Name:	Arshdeep Singh
Email:	arshdeepdgreat@gmail.com
Date of Birth:	2002-02-11

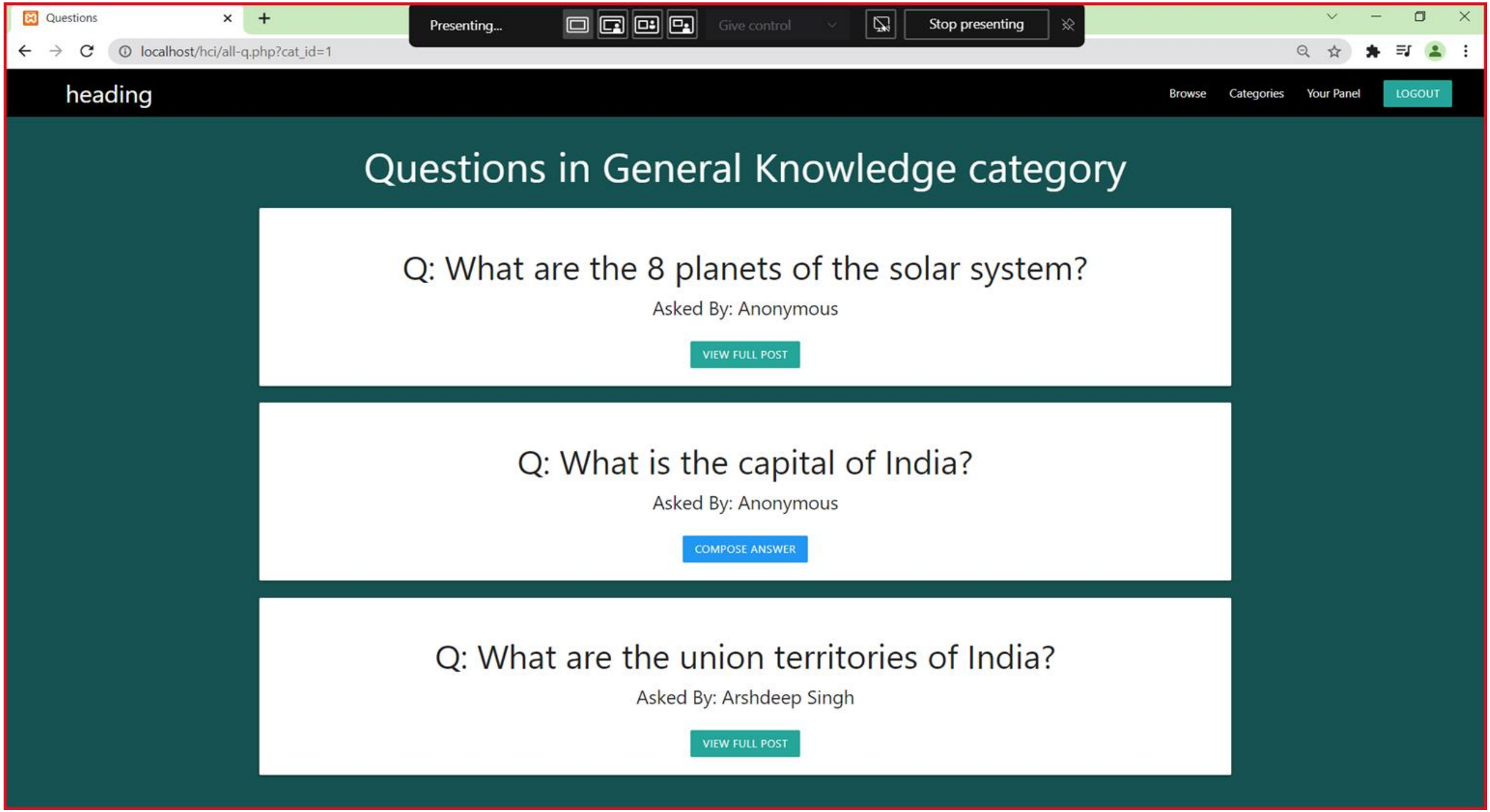
EDIT DETAILS

Posted Questions

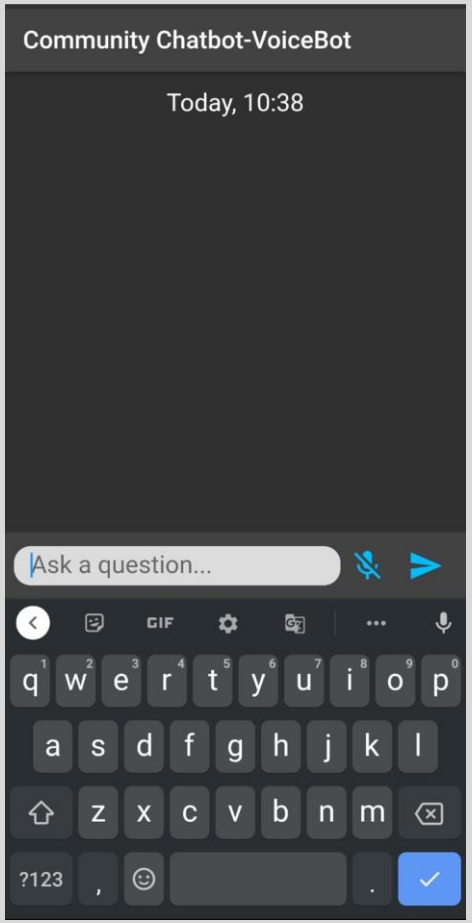
Sno	Question	Category	Posted on	Status
1	What are the 8 planets of the solar system?	General Knowledge	2021-11-05 07:22:55	Answered
2	What is the capital of India?	General Knowledge	2021-11-05 16:15:21	Unanswered
3	What are the union territories of India?	General Knowledge	2021-11-05 16:19:09	Answered

Answers contributed

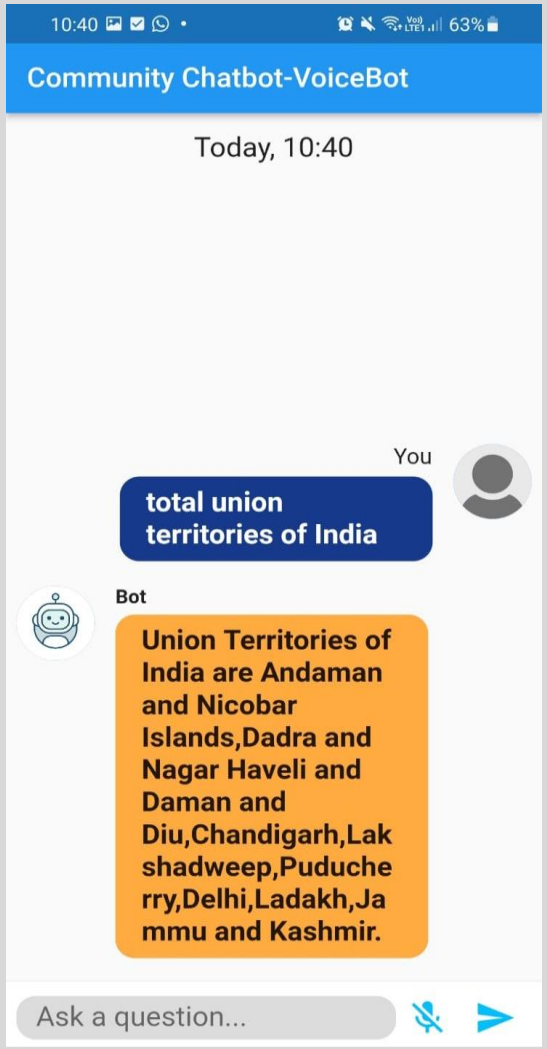
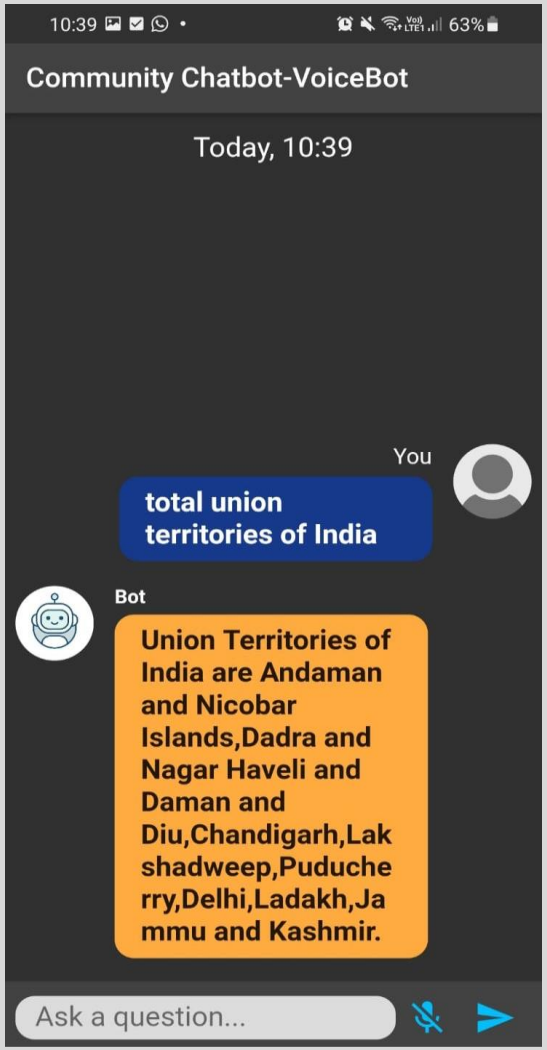
Sno	Question	Posted on	Answer
1	What are the 8 planets of the solar system?	2021-11-05 15:21:43	The eight planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. Mercury is closest to the Sun. Neptune is the farthest. Planets, asteroids, and comets also orbit our Sun
2	What are the union territories of India?	2021-11-05 16:20:13	Union Territories of India Andaman and Nicobar Islands. Dadra and Nagar Haveli and Daman and Diu. Chandigarh. Lakshadweep. Puducherry. Delhi. Ladakh. Jammu and Kashmir.


Questions
Presenting...
Give control
Stop presenting
localhost/hci/all-q.php?cat_id=1
heading
Browse
Categories
Your Panel
LOGOUT
Questions in General Knowledge category
Q: What are the 8 planets of the solar system?
Asked By: Anonymous
VIEW FULL POST
Q: What is the capital of India?
Asked By: Anonymous
COMPOSE ANSWER
Q: What are the union territories of India?
Asked By: Arshdeep Singh
VIEW FULL POST

APP



Light Mode



Dark Mode