

#ICP 11

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Github link: https://github.com/Vishnumonish/web-development/tree/main/ICP_11

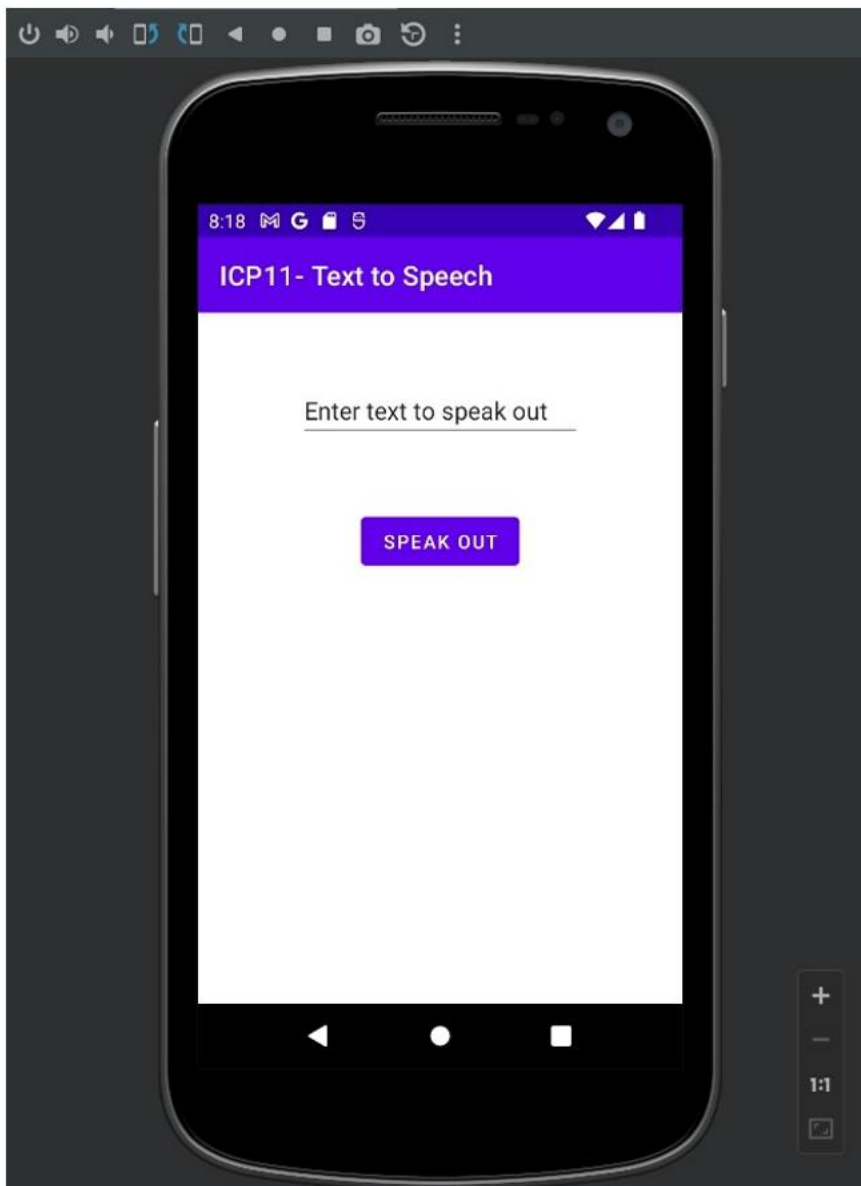
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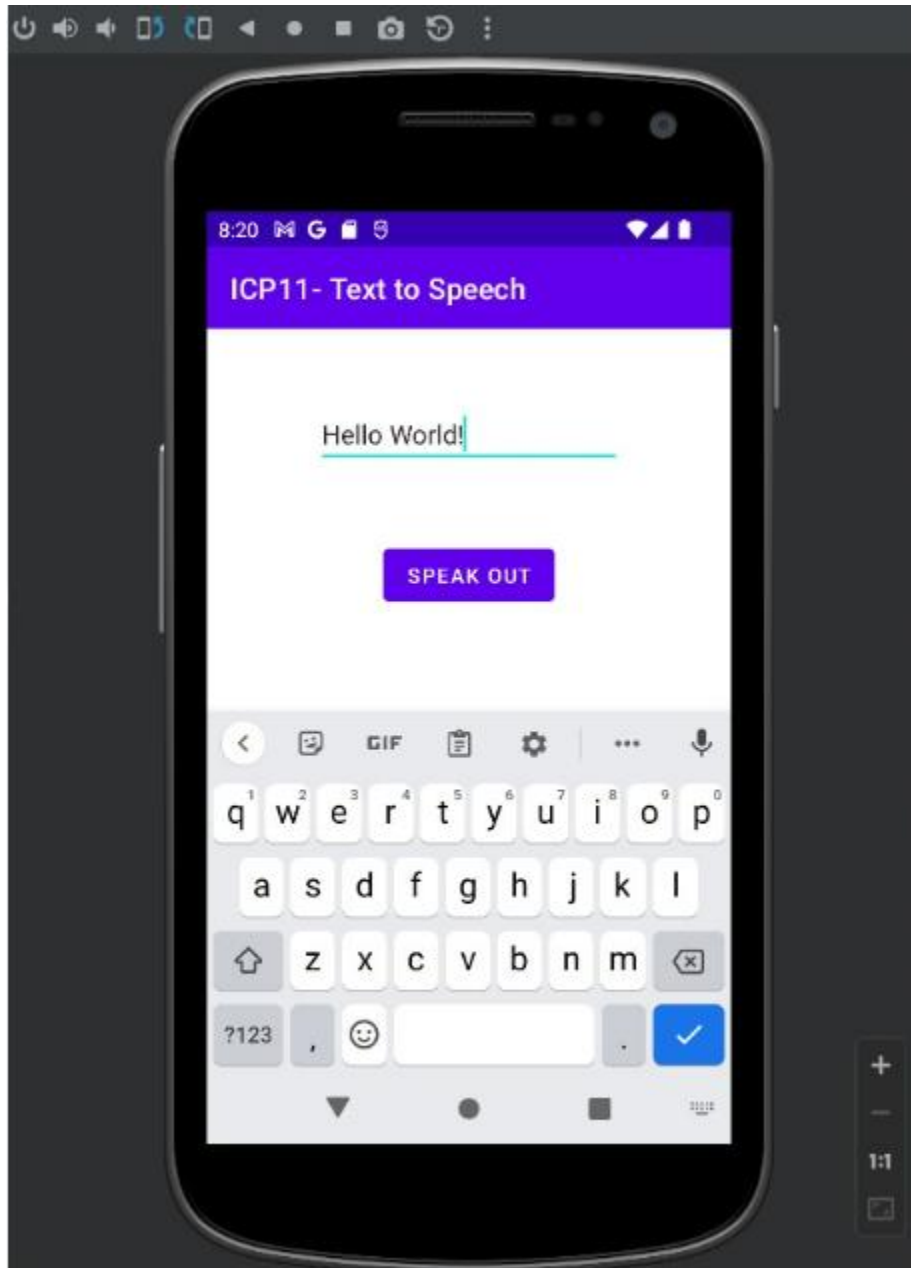
Partner github link:

<https://github.com/Rajendraganji/WebCourse2022/tree/main/WebPart/ICP11>

- 1) Added EditText field where we need to type in the text that should be converted to speech. After that we also created a SpeakOut Button below the textfield which converts the entered text to speech upon clicking on it. Which means in simple terms, when the user clicks the speakout button, the text is read out loud via hardware speaker.



- 2) The below screenshot represents an example of TTS (Text-to-Speech) where the user here entered the text as Hello World, upon clicking the button “SpeakOut” , we can hear that text.



- We had imported the android TTS module for this action of text to speech conversion to be performed.
- We used QUEUE_ADD which in queue mode, the text is added at the end of that playback queue.

```
@Override
public void onClick(View view) {
    textToSpeech = new TextToSpeech( context: MainActivity.this, new TextToSpeech.OnInitListener() {
        @Override
        public void onInit(int status) {
            if(status==TextToSpeech.SUCCESS){
                int result =textToSpeech.setLanguage(Locale.ENGLISH);
                if(result==TextToSpeech.LANG_NOT_SUPPORTED || result == TextToSpeech.LANG_MISSING_DATA){
                    Log.e( tag: "message", msg: "language is not supported");
                }
            }
            else{
                textToSpeech.speak(String.valueOf(editText.getText()),TextToSpeech.QUEUE_ADD, params: null);
            }
        }
        else{
            Log.e( tag: "message", msg: "TTS are not supporting");
        }
    });
}
```