

JAVA PROJECT .MAY. 14, 2020

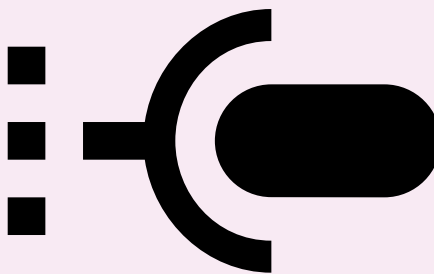
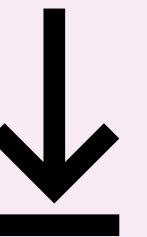
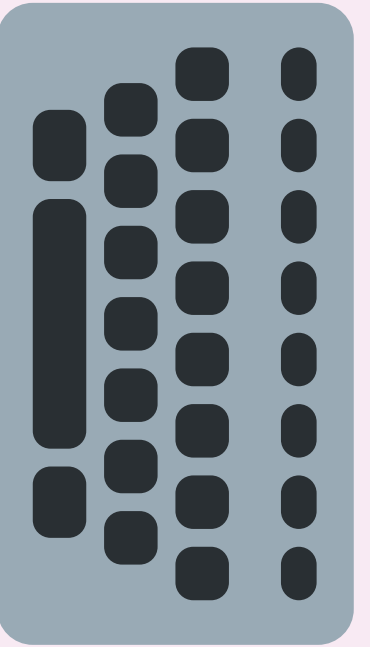
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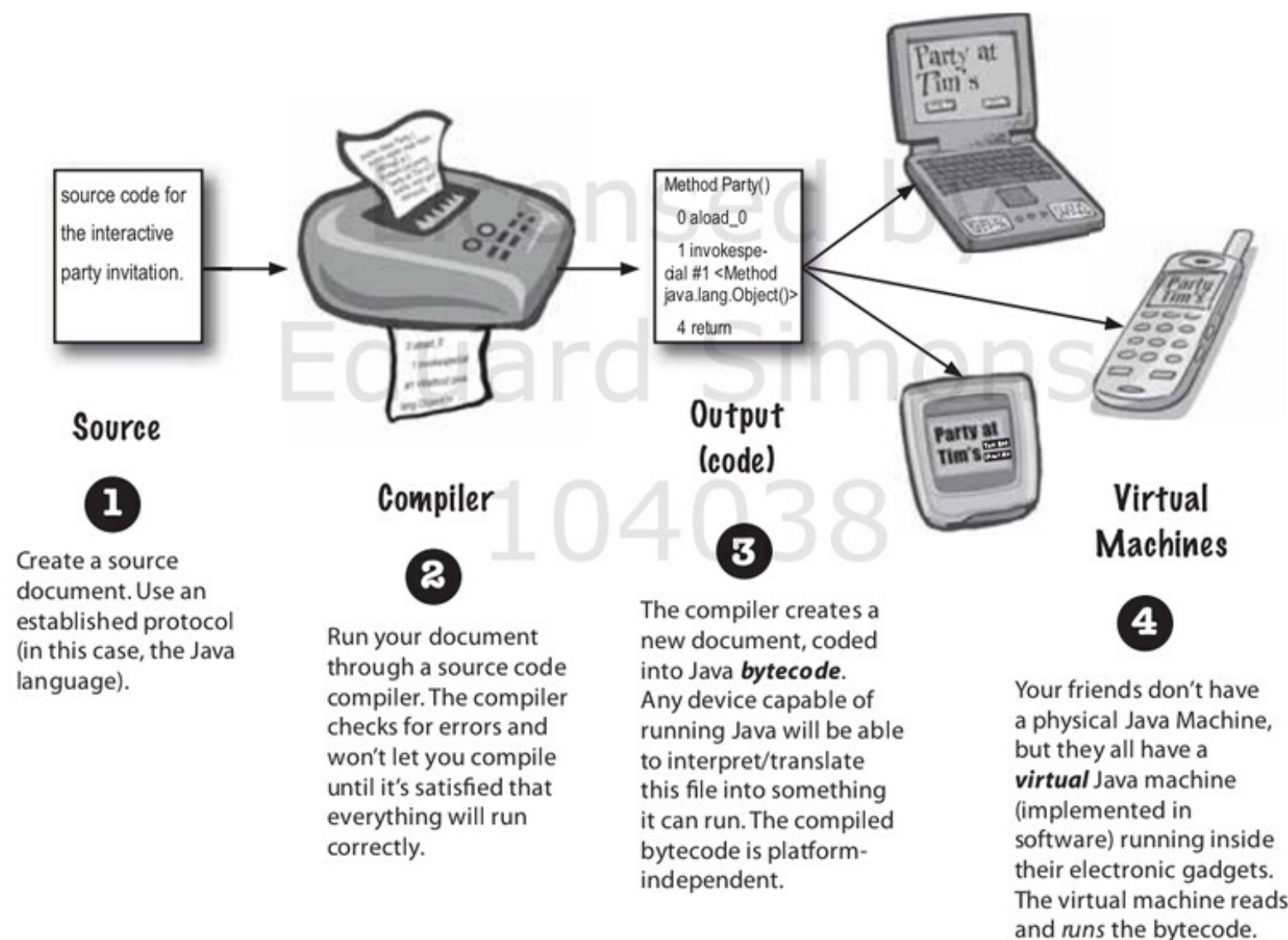
# TEXT TO SPEECH

USING JAVA PROGRAMMING LANGUAGE on NETBEANS IDE

SOFTWARE USED- FreeTTS



# PRESENTATION HIGHLIGHTS



## FOCUS AREAS

- Defining the JAVA
- Objective of TEXT to SPEECH
- How Text to Speech works showed using flowchart
- Text to Speech snippets
- How the JFrame look?
- References
- Team members

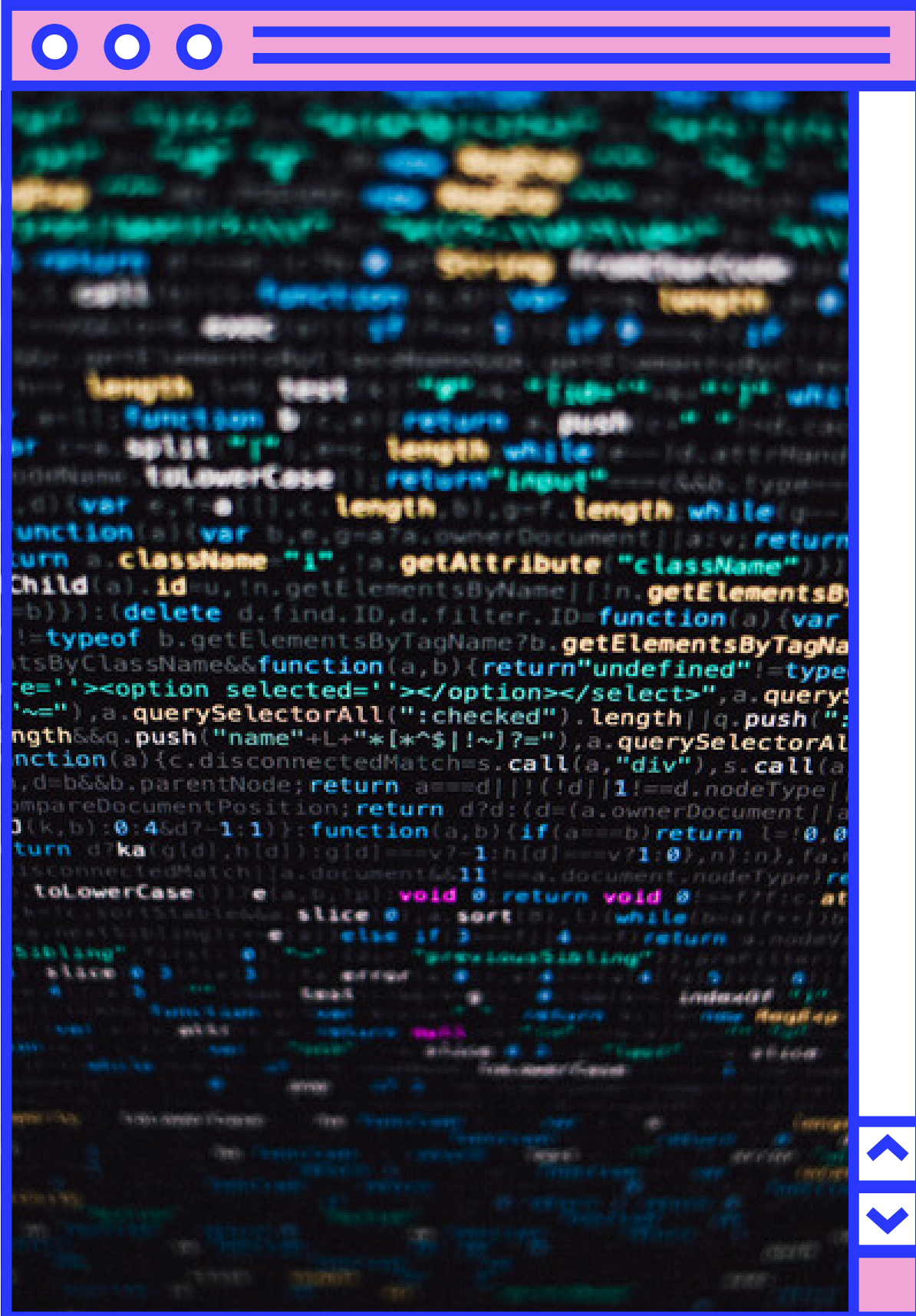
# DEFINING JAVA

Java is a programming language and computing platform first released by Sun Microsystems in 1995. There are lots of applications and websites that will not work unless you have Java installed, and more are created every day. Java is fast, secure, and reliable. From laptops to datacenters, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere!



# OBJECTIVE OF PROJECT

Text-to-speech (TTS) is a type of assistive technology that reads digital text aloud. It's sometimes called "read aloud" technology. TTS can take words on a computer or other digital device and convert them into audio. TTS is very helpful for kids who struggle with reading, but it can also help kids with writing and editing, and even focusing. The aim of the project is to help persons having learning disabilities or visually challenged. It also prevents eye from strain, and user can sit and listen comfortably.



# APPLICATIONS

CAN BE USED FOR VISUALLY DISABLED PEOPLE.

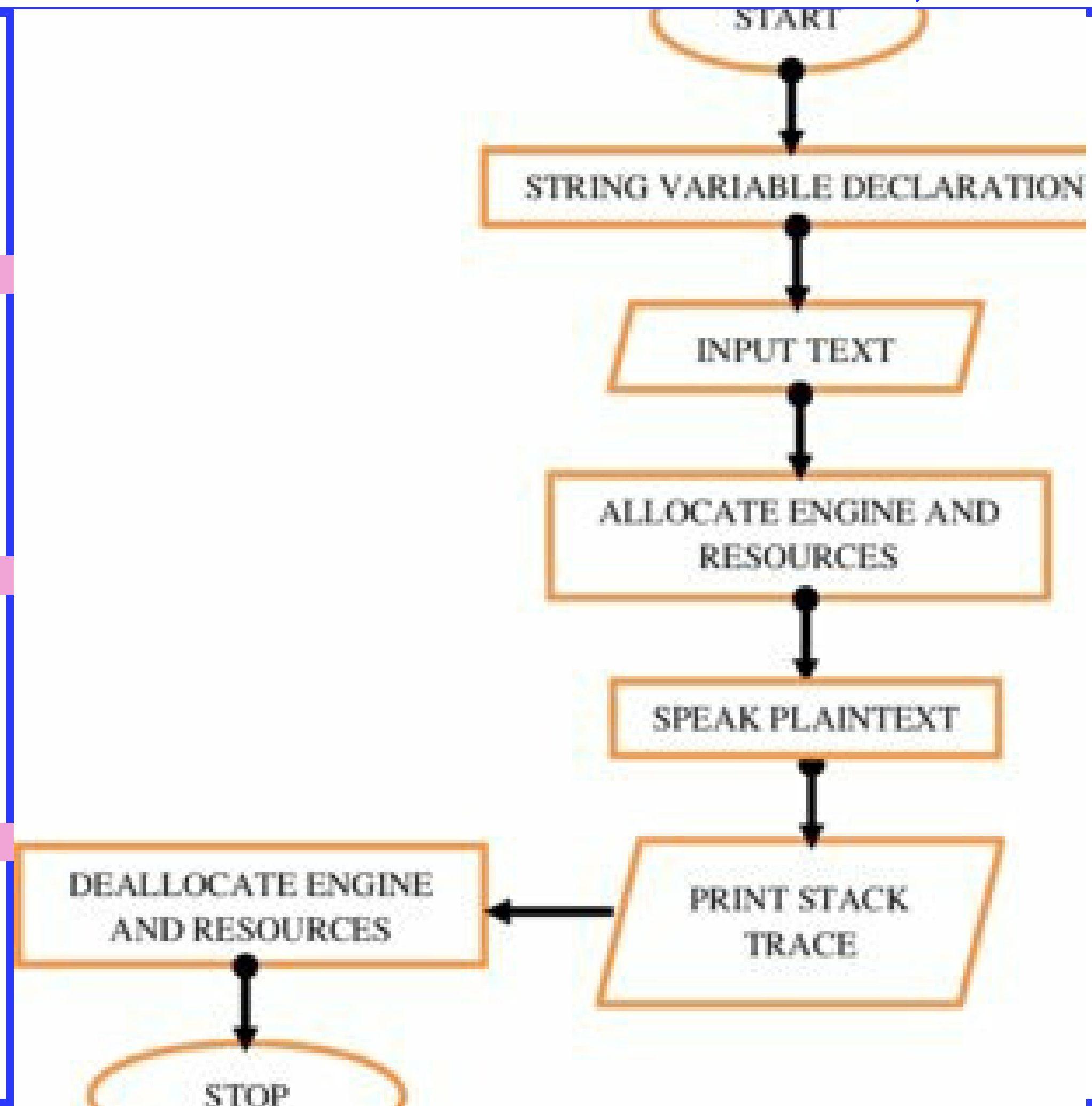
CAN BE USED IN LEARNING PRONUNCIATIONS.

CAN BE USED AS REMINDERS IN OFFICES, HOUSES.

VOICE OPERATING MODE IN SMARTPHONE.



# DETAIL IN FLOWCHART





# SNIPPETS

## PACKAGES USED

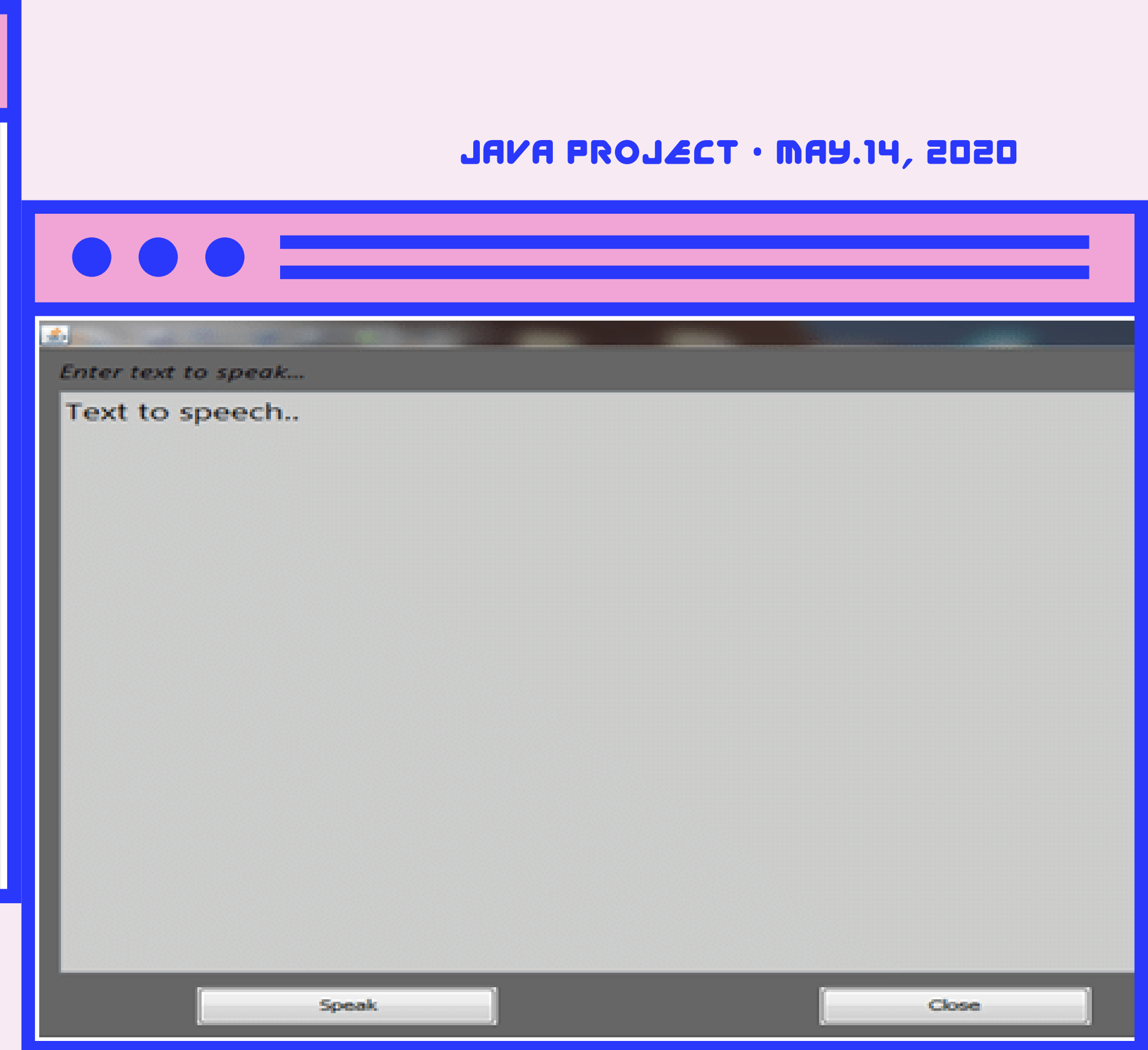
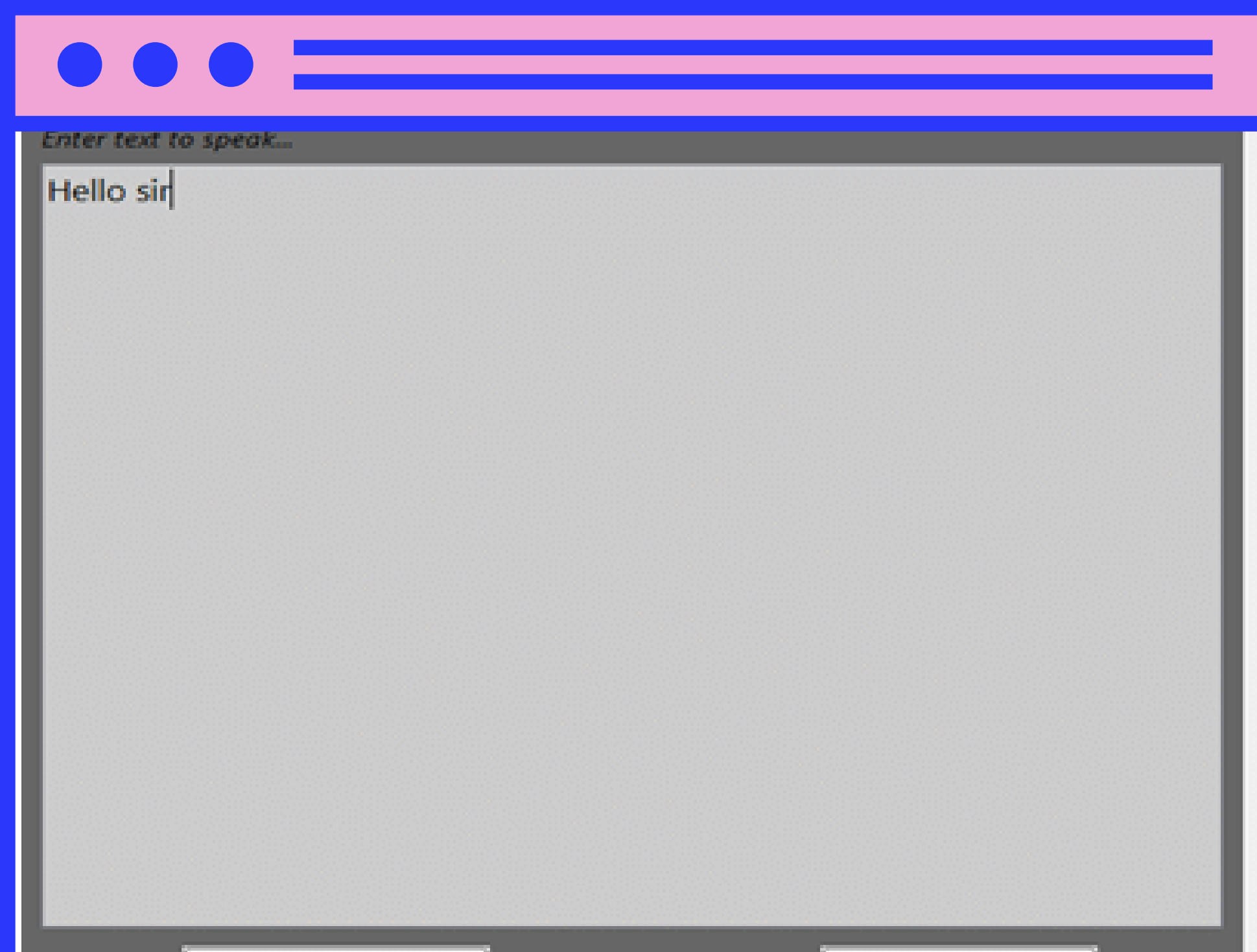
```
import java.util.Locale;
import javax.speech.Central;
import javax.speech.synthesis.Synthesizer;
import
javax.speech.synthesis.SynthesizerModeDesc;
import javax.speech.synthesis.Voice;
```

## EXCEPTION HANDLING

```
try
{
synth.speakPlainText(text, null);
synth.waitEngineState(Synthesizer.QUEUE_EMPTY);

// synth.deallocate();
//uncomment above if only want to speaking once
}

catch(Exception ex)
{
String message = " missing speech.properties
in " + System.getProperty("user.home") + "\n";
System.out.println(message);
}
```



**TEXT WHICH CONVERT INTO SPEECH**

JFrame created





# FEW REFERENCES

## CONCEPTS AND CHALLENGES

[www.geeksforgeeks.com](http://www.geeksforgeeks.com)

## IDEAS

[www.tutorialfeild.com](http://www.tutorialfeild.com)



# TEAM MEMBERS

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## THANK YOU!!

