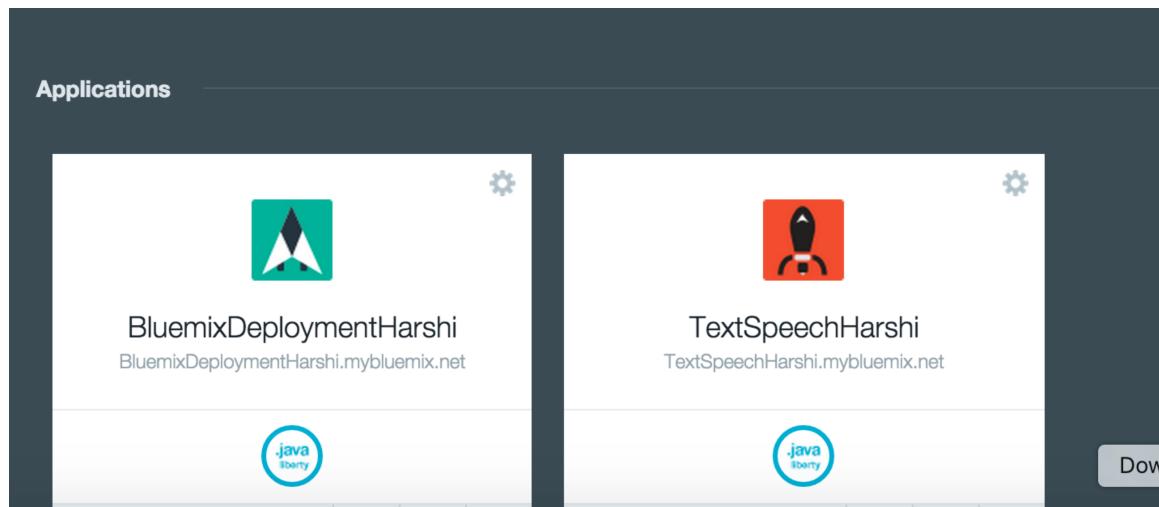


ASE LAB 10 ASSIGNMENT

TEXT TO SPEECH API



The screenshot shows the 'Text-Speech' application interface. The top section displays the text "STUDENT EID HARSHI". Below this, the "Text-Speech" section includes a "Text to Speech" icon and a "Text-Speech" heading.

Enter your text:
Enter your text:

Output

The text language must match the selected voice language: Mixing language

Select the Voice model:
English (en-US): Allison (female)

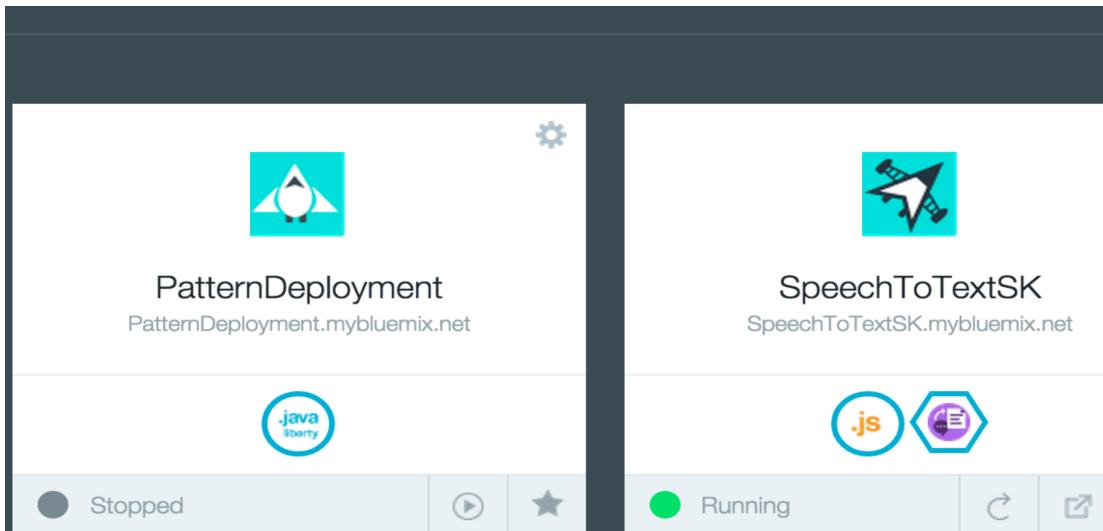
Download **Speak**

SERVLET FILE:

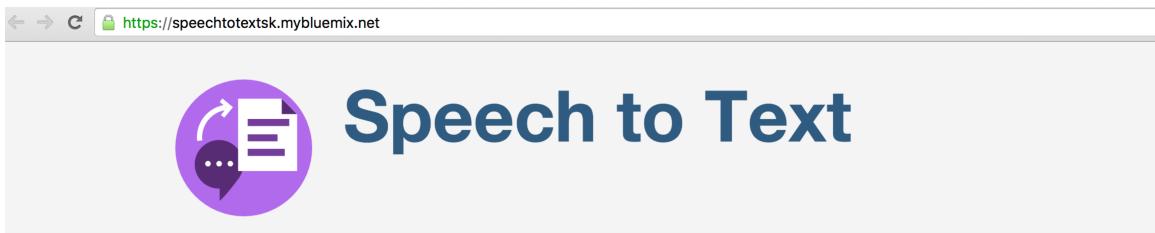
```
DemoServlet.java
113     } catch (IOException e) {
114         // Do nothing, fall through to defaults
115         logger.log(Level.SEVERE, "Error parsing VCAP_SERVICES: "+e.getMessage(), e);
116     }
117     return sysEnv;
118 }
119
120 @Override
121 public void init() throws ServletException {
122     super.init();
123     processVCAP_Services();
124 }
125 /**
126 * If exists, process the VCAP_SERVICES environment variable in order to get the
127 * username, password and baseURL
128 */
129 private void processVCAP_Services() {
130     logger.info("Processing VCAP_SERVICES");
131     JSONObject sysEnv = getVcapServices();
132     if (sysEnv == null) return;
133     logger.info("Looking for: "+ serviceName );
134
135     for (Object key : sysEnv.keySet()) {
136         String keyString = (String) key;
137         logger.info("found key: " + key);
138         if (keyString.startsWith(serviceName)) {
139             JSONArray services = (JSONArray)sysEnv.get(key);
140             JSONObject service = (JSONObject)services.get(0);
141             JSONObject credentials = (JSONObject)service.get("credentials");
142             baseURL = (String)credentials.get("url");
143             username = (String)credentials.get("username");
144             password = (String)credentials.get("password");
145             logger.info("baseURL = "+baseURL);
146             logger.info("username = "+username);
147             logger.info("password = "+password);
148         } else {
149             logger.info("Doesn't match /"+serviceName+"/");
150         }
151     }
152 }
```

OUTPUT:

SPEECH TO TEXT API:



The image shows a detailed view of the 'SpeechToTextSK' service configuration in the IBM Bluemix dashboard. At the top, the service icon, name, and URL are displayed. Below this, the configuration section shows '1' instance, a 'MEMORY QUOTA' of '512 MB per Instance', and 'AVAILABLE MEMORY' of '1.000 GB'. Buttons for 'SAVE' and 'RESET' are present. Below the configuration are sections for 'ADD A SERVICE OR API' and 'BIND A SERVICE OR API'. A 'Speech To Text' service card is listed under 'ADD A SERVICE OR API', showing its icon, name, and a 'standard' tag. At the bottom, there are 'Show Credentials' and 'Docs' buttons.



Speech to Text

Transcribe Audio

Please use your microphone while speaking!

US English broadband model (16KHz)

Record Audio

Text



Transcribe Audio

Please use your microphone while speaking!

US English broadband model (16KHz)



Record Audio

Text

Hello how are you.

