2.2.2 Shazam(إبراهيم السيف)

Definition of Shazam application:-

Shazam is an application that can identify music, movies, TV shows and clips in general by taking a sample of the audio clip, and this is done using the device's microphone.

Who are the users of the application?:-

Users of the Shazam application are the ones who want to find the name of the music or audio track that was searched, the Shazam application allows them to find the name of the music or audio track that they want.

Shazam application advantages and disadvantages:-

- **Advantages:**
  - ❖ easy to use.
  - ❖ Easy to discover music.
  - ❖ Recognizes the voice in ten second.

- **Disadvantages**:
  - ❖ The user can not sing the song and search for it.
  - ❖ It is not easy to recognize the reader.

Technology used in Shazam application:-

The Shazam application uses the microphone of the mobile phone or the device in which the application is located to identify the audio clip, and Shazam uses fingerprint technology to puts it in a graph through which the audio clip is fragmented and searched in databases.

Problem statement:-

Many voice recognition applications are not specialized in identifying the voice of the Quran reader, in this project we will solve the problem of many applications that are not specialized in identifying the voice of the Quran reader by collecting all possible data about Quran readers and identifying them through voice recognition algorithms.