

Amazon Music: Careers Behind the Beats

Note Catcher - Answer Key





Name _____ Class _____

The Big Question: How does computer science support a song's journey from recording to streaming?

Directions: At each stop on the tour, match the new vocabulary word with its definition using the word bank below. At the end of each stop, reflect on what you learned about our investigation question.




output copyright data User Experience (UX) input sound energy export
 front end licensing amplitude hardware machine learning software ingest
 wavelength back end requirements streaming

Stop	Vocabulary	Facts I learned at this stop/ Questions I still have
Introduction 		
Capturing Inputs 	<p>hardware : the physical parts of a computer or device (Slide 7)</p> <p>input : information entered into or received by a computer (Slide 7)</p> <p>sound energy : the movement of vibrations through matter in the form of waves (Slide 7)</p> <p>software : the code or instructions that tell the computer how to work and what to do (Slide 9)</p>	



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Stop	Vocabulary	Facts I learned at this stop/ Questions I still have
<p>Improving & Finalizing Outputs</p> 	<p>output : Information given to users i.e. sound, light, or information (Slide 12)</p> <p>amplitude : The height of a sound wave; determines a sound's volume – how loud or soft the sound is (Slide 12)</p> <p>wavelength : The distance between peaks or valleys in a wave; determines a sound's pitch and frequency (Slide 12)</p> <p>export : to save a copy of information in a format that can be used by another application (app) (Slide 14)</p>	
<p>Protecting Creativity</p> 	<p>copyright : a law that stops people from using other people's work without permission (Slide 18)</p> <p>licensing : getting legal permission to use another person's work (Slide 18)</p>	
<p>Streaming</p> 	<p>streaming : Use a computer application (app) to access a large library of media on demand (Slide 22)</p> <p>front end : the elements of an app the user can use, see, and interact with (Slide 22)</p> <p>back end : the code within an app that works behind the scenes to ensure the app functions (Slide 22)</p>	



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Stop	Vocabulary	Facts I learned at this stop/ Questions I still have
<p>The Front End</p> 	<p>User Experience (UX) : the way a customer feels and thinks when using a game, website or app (Slide 24)</p> <p>requirements : a detailed document that sets out exactly what a product or a process should present (Slide 26)</p>	
<p>The Back End</p> 	<p>ingest : The process of obtaining or importing data for storage in a database or server (Slide 28)</p> <p>data : Information that can be read or stored by a computer (Slide 30)</p> <p>machine learning : The science of getting computers to perform or make predictions based on examples or past experiences. (Slide 30)</p>	
<p>Collaboration</p> 		

Thank you for joining us on an **Amazon Future Engineer Career Tour!**

