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- System contains and <u>uses</u> (partial) model of what a person is trying to accomplish and how to operate the system to contribute
- Merely "contains" not enough, e.g., a searchable user manual
- But similar knowledge is contained in a good user manual --- "active manual"
- Example of "reflection" (often considered a hallmark of intelligence)

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- Task modeling (analysis)
 - Defining the domain and task models for a particular application
 - · Somewhat of an art---we'll practice it later
 - finding right level of abstraction
 - what to ignore, what to make primitive
 - alternative groupings of lower-level actions/goals
 - "Achilles heel" of goal/task based user interfaces
 - special case of "knowledge acquisition bottleneck"
 - research towards automating using demonstration and/or learning techniques

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	CEA-2018 Task Model Description	
Produced b	y R7 Working Group 12 (created March, 2006)	
Co-Chairs:	Charles Rich, Mitsubishi Electric Research Labs Alan Messer, Samsung Research	
Editor: Go	ttfried Zimmerman, Consultant	
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CEA-2018 Task Model Description				
WG12 Participants:				
Motorola	JVC	HBO		
NAB	TCS	4HomeMedia		
LonMarks	AT&T	DirectTV		
Hitachi	LOYTEC	EchoStar		
Alpine	Panasonic			
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<taskinodel< td=""><td></td></taskinodel<>		
about="http://ce.org/cea-2018/AnnexB"	<task id="selectServer"></task>	
xmlns="http://ce.org/cea-2018"	<input name="selectedMediaServer" type="string"/>	
xmins:dc="http://purl.org/dc/elements/1.1"		
xmlns:dcterms="http://purl.org/dc/terms">	<task id="browse"></task>	
	<input name="browseFilter" type="string"/>	
<dc:title xml:lang="en">Playing Music</dc:title>	<input name="browseSortCriteria" type="string"/>	
<dc:description xml:lang="en">CEA-2018 conformant sample task model description for</dc:description>		
playing music with UPnP AV devices and URC grounding.	<task id="selectNode"></task>	
<pre><dc:creator>Gottfried Zimmermann</dc:creator></pre>	<input name="selectedNodeld" type="string"/>	
<pre><dc:contributor>Charles Rich</dc:contributor></pre>		
<pre><dcterms:issued>2007-08-25</dcterms:issued></pre>	<task id="selectRenderer"></task>	
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<step name="connect" requires="select configure" task="connect"></step>	<input name="preferredConnectionProtocol" type="string"/>	
<sten name="nlav" requires="connect" task="nlav"></sten>	<output name="newConnectionId" type="string"></output>	
<pre>shinding slot="""></pre>	<output name="error" type="ErrorDescription"></output>	
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Sublasks rue - selectivusicoleps -	<pre><input <="" name="playCurrentPlayMode" pre="" type="PlayMode"/></pre>	
<step name="" selectserver="" server="" task-=""></step>	<input i="" name="play" ransportplayspeed="" type="PlaySpeed"/>	
<step name="browse" task="browse"></step>		
<step name="node" task="selectNode"></step>	at an external encoder of	
 solution store sprowse prowse inter value=**/>	external events	
 slot="\$browse.browseSortCriteria" value=""+dc:title"/>		
 sinding slot="\$play.connectionId" value="\$connect.newConnectionId"/>	<task id="transportStatusError"></task>	
	<output name="error" type="ErrorDescription"></output>	
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	<output name="error" type="ErrorDescription"></output>	
	<task id="conNotifyUnreliableChannel"></task>	
<script platform="URC"></td><td colspan=2><output name="error" type="ErrorDescription"/></td></tr><tr><td><i>II</i></td><td></task></td></tr><tr><td></scrint></td><td><task id="conNotifyUnknownConnectionError"></td></tr><tr><td></td><td><output name="error" type="ErrorDescription"/></td></tr><tr><td><script platform="URC" init="true"></td><td></task></td></tr><tr><td></td><td></taskModel></td></tr><tr><td></script> US 5250 (5 09)	Δ.	
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