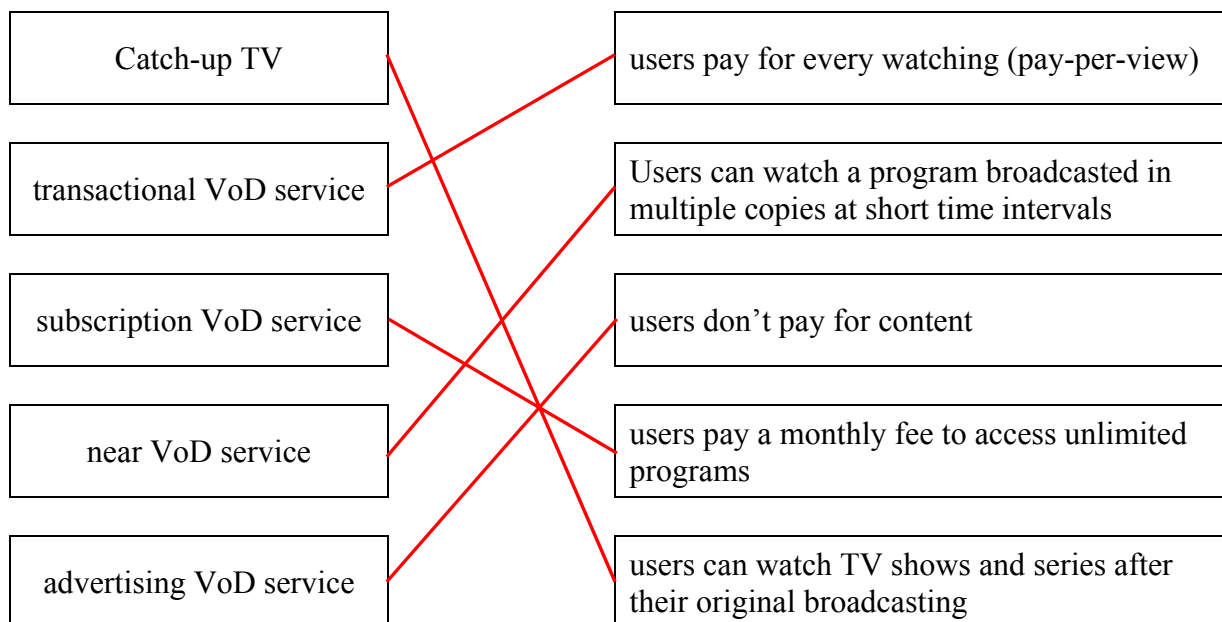


**1. Select correct statements:** *software as a service (SaaS)***X is a service providing software on demand**☐ SaaS is not used for game purposes☐ is a service providing free software**X delivers and licenses software to users****X is a service accessible using web browser**☐ has problems with software compatibility☐ has insufficient global availability**2. Fill in sentence!**

$\left( \begin{array}{c} \text{Personal computer} \\ \text{Personal cloud} \\ \text{Hard disk} \\ \text{USB} \end{array} \right)$  provides users with the ability to upload, store, synchronize, stream, retrieve and share content.

**3. Choose correct option:** *VoD as an abbreviation means*☐ voice on demand☐ video data**X video on demand**☐ voice data

**4. Assign the terms from the left column to the corresponding definitions on the right!****5. Choose correct option!**

\_\_\_\_\_ – content is available after last byte of content is downloaded.

- a) Streaming
- b) Downloading**
- c) Processing
- d) Coding

\_\_\_\_\_ – content can be viewed by users before its complete download.

- a) Streaming**
- b) Downloading
- c) Processing
- d) Coding

**6. Fill particular codecs and containers in corresponding blocks!**

<b>audio codecs</b>	<b>video codecs</b>	<b>video containers</b>
<b>MP3, AAC, VORBIS</b>	<b>H.264, VP8</b>	<b>ASF, MP4, WebM, FLV</b>

VORBIS   H.264   WebM   ASF   FLV   MP3   VP8   AAC



Erasmus+

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**7. Fill in sentences!**

A streaming server delivers the bit stream to a streaming client using a **transport protocol**.

A streaming server supporting adaptive bit rate streaming delivers the bit stream to a streaming client using **HTTP protocol**.

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**8. Explain two types of CloudGaming service!**

Cloud gaming based on video streaming – **video data of a game is streamed from game company's server (cloud) where particular game is executed and rendered to video data**.

Cloud gaming based on file streaming – **small part of the game is downloaded from game server to user's device and quickly executed. The rest of the game data is downloaded to the device during playing**.

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**9. Fill in sentences!**

HbbTV is an international standard (specification) which defines a delivery of  $\left( \begin{array}{c} \text{analog} \\ \text{terrestrial} \\ \text{digital} \\ \text{diskrete} \end{array} \right)$  interactive TV to the users through a common user interface on TVs or set-top-boxes.

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**10. Name three HbbTV services for:**

Video on demand service: **catch-up TV, start-over, push VoD, live streaming**.

Information services: **news, weather, traffic, sport, eGovernment, enhanced teletext, guides, EPG**.