



Pedagogic Materials

CÉLINE AVERSENG

Pedagogic Innovation

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Innovation pédagogique :

“New tools available but also the complex processes relying on these new tools” (Choplin et al. 2007).



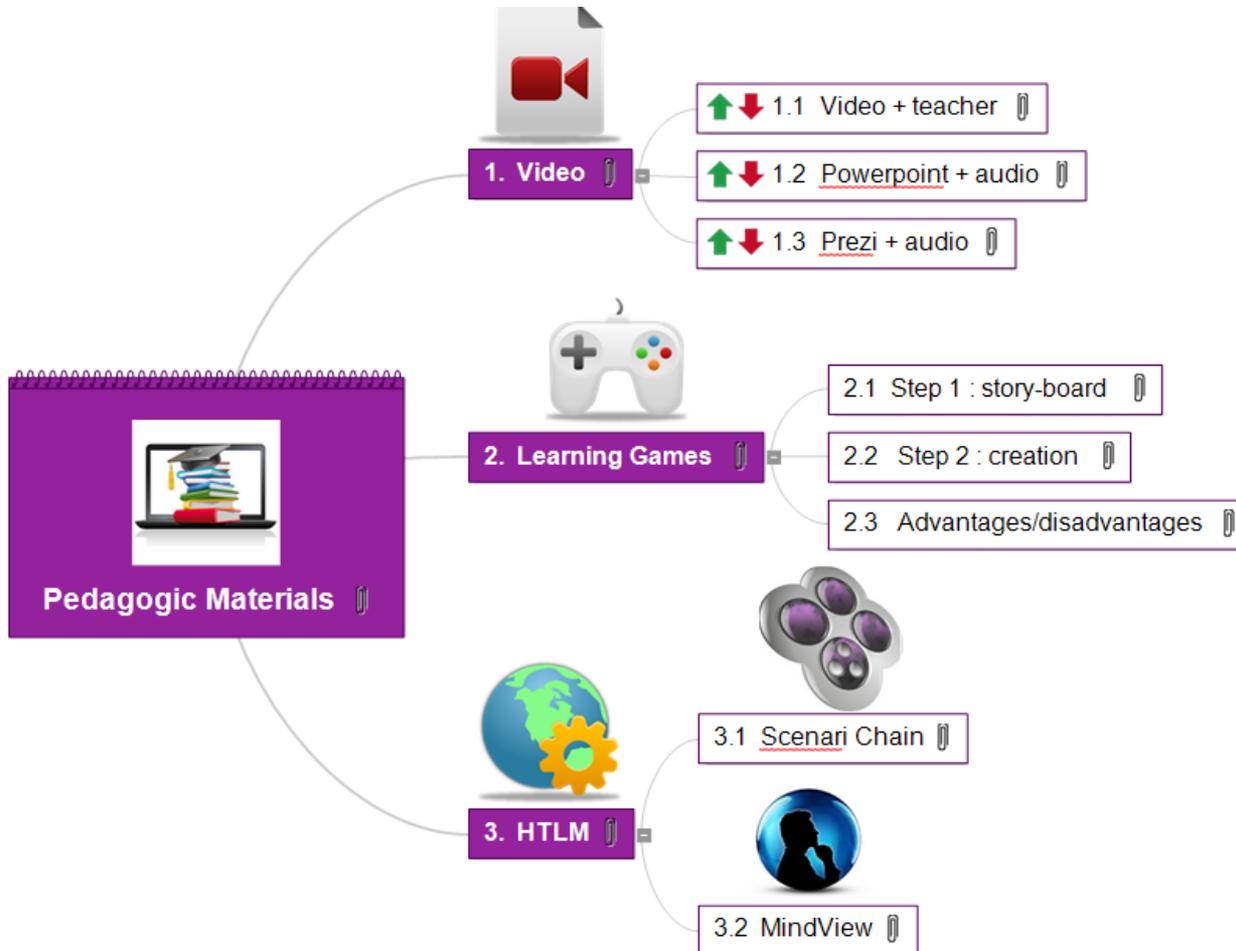
Various shapes

Several objectives

→ Inventory of tools



Summary





Video

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Increasingly used:

- In MOOC or SPOC (indispensable media!)
- In blended learning



→ Several way to create a vidéo



Powerpoint + teacher

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MOOC Sales Force Management (Ch. Fournier)

The screenshot shows a video frame from a MOOC. On the right, a male teacher with dark curly hair, wearing a dark blue button-down shirt, is gesturing with his hands as if speaking. On the left, a presentation slide is visible. The slide has a white background with an orange header bar. In the top left corner of the slide, there is a circular logo with a stylized 'M' and the text 'MONTPELLIER' above it, followed by 'IAE' in large purple letters and 'MONTPELLIER University School of Management' in smaller black text. Below the logo, there is a large orange gear icon. To the right of the gear, the text reads: 'Gestion de la force de vente', 'Spécificités', and 'Méthodes de vente'. At the bottom left of the slide, there are three smaller orange gear icons.

Interview

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MOOC **Balanced scorecard** (G. Naro and T. Séran)



[Advantages/disadvantages]

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Advantages:

- The learner see the teacher
- Possibility to feature the teacher (example: interviews, put a person in a professional situation, etc.)

Disadvantages:

- Complicated to create: need ressources and time consuming
- Complicated to update...

Powerpoint + audio

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Powerpoint + OfficeMix

Powerpoint + Camtasia/Camstudio

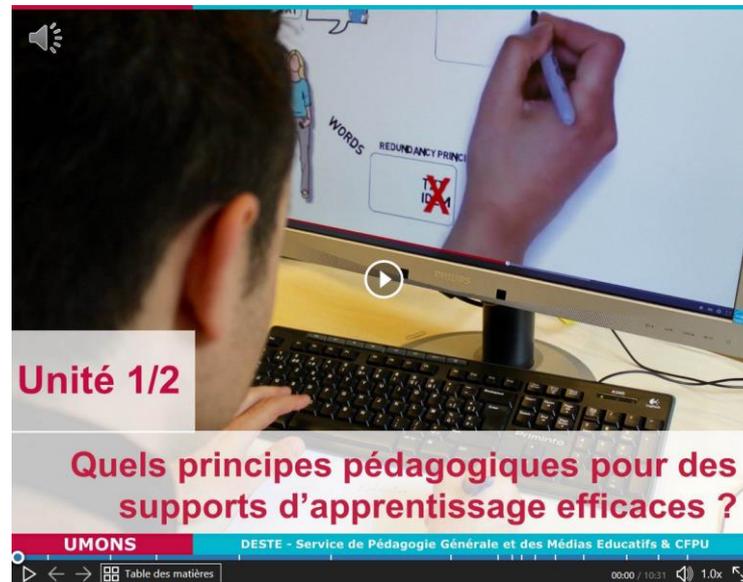
Office mix

The image shows a screenshot of the Microsoft PowerPoint application interface. The title bar at the top reads 'Présentation1 - PowerPoint'. The ribbon is set to 'Mix', with the subtitle 'Dites-nous ce que vous voulez faire.' and the user name 'Céline Averseng' visible. The ribbon contains several groups of icons: 'Enregistrement de diapositive', 'Questionnaires, vidéos et applications', 'Enregistrement d'écran', 'Capture', 'Insérer une vidéo', 'Insérer un élément audio', 'Aperçu Office Mix', 'Charger vers Office Mix', 'Mes Mix', 'Exporter au format vidéo Office 365 Vidéo', 'Publier sur Office 365 Vidéo', 'Utilisation de Mix Didacticiels', 'Envoyer des commentaires de l'aide Support', and 'Obtenir de l'aide'. The main slide area shows a slide with a title placeholder 'Cliquez pour ajouter un titre' and a subtitle placeholder 'Cliquez pour ajouter un sous-titre'. A small orange box is visible in the top-left corner of the slide area, and the number '1' is in the top-left corner of the slide thumbnail on the left.

Powerpoint + audio

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Office mix allows the creation of "Pedagogic Capsules", as in the MOOC "**L'innovation pédagogique dont vous êtes le héros**":



Here, a new tab is add in Powerpoint to capture the screen and the voice

[Advantages/disadvantages]

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Advantages:

- Quickly created from existing Powerpoint
- Does not require any special knowledge in video editing
- Update/changes easier : the sound is much easier to cut, redo and mount than a shot

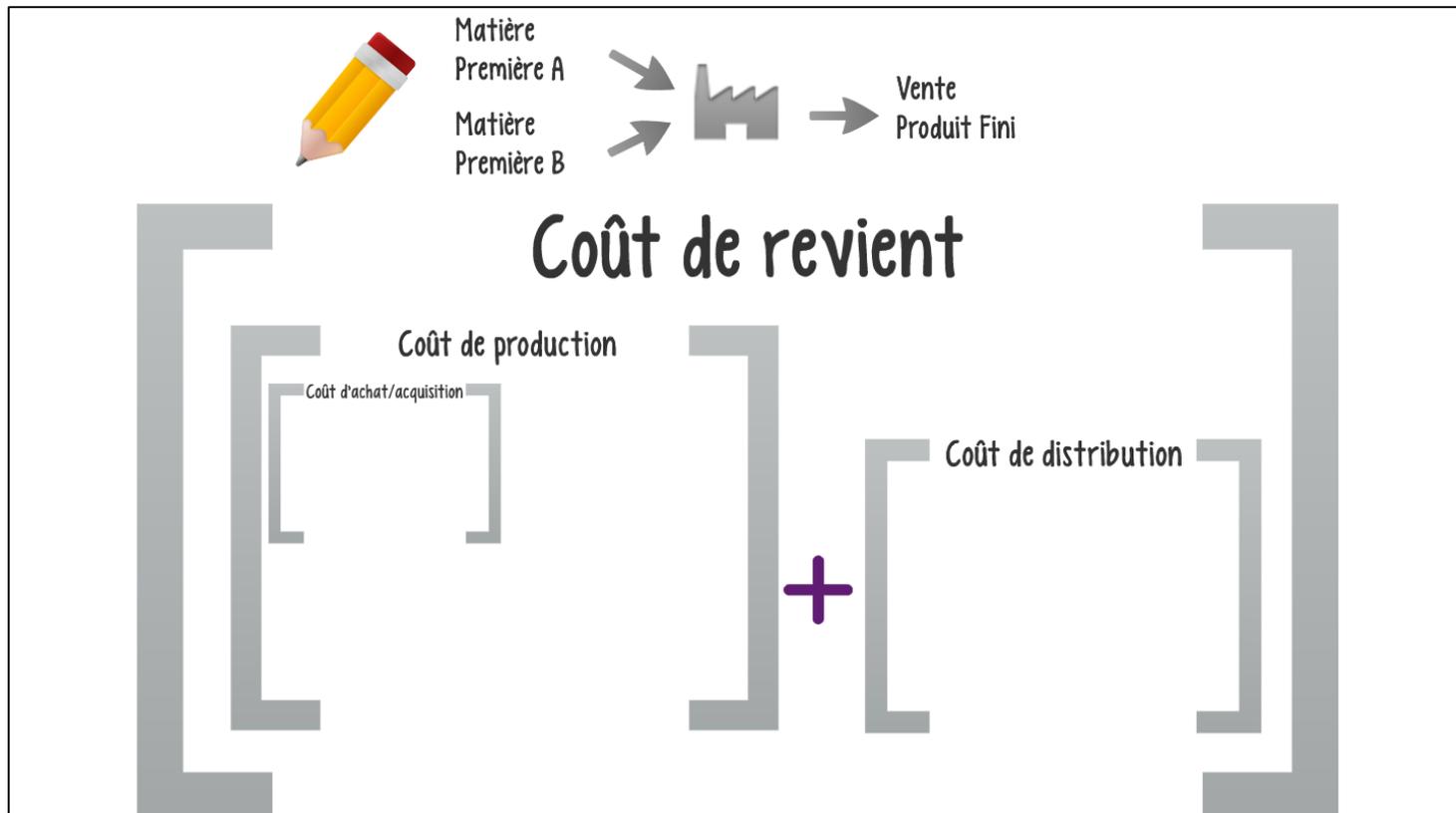
Disadvantage:

- A Powerpoint always stay linear
- Risk of cold and boring media

Prezi + sound

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Prezi + capture tool: Camtasia/Camstudio or other



[Advantages/disadvantages]

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Advantage:

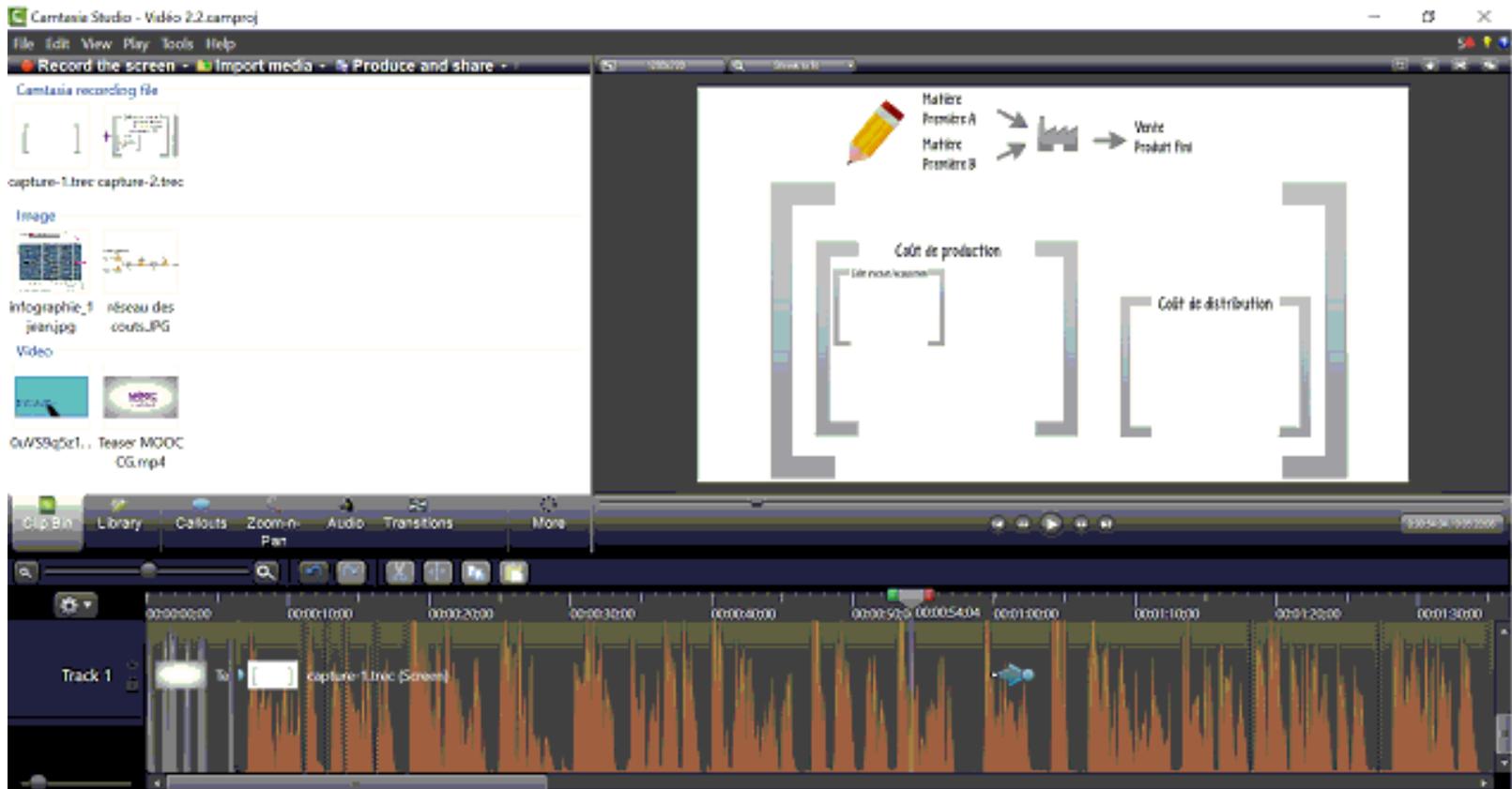
- Final rendering interesting from a pedagogical point of view, close to an animated film, but we can't use it in all disciplines: the content must be easy to represent

Disadvantage:

- Long to create (in the first time)
- Requires basic assembly knowledge

Advantages/disadvantages

Example : capture video and editing software :
Camtasia Studio 8



Learning Games

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Non-linear numeric case study

Interest

→ Free software : Scenari Chain

Step 1 : storyboard

Step 2 : creation

Advantages/disadvantages



Step 1 : storyboard

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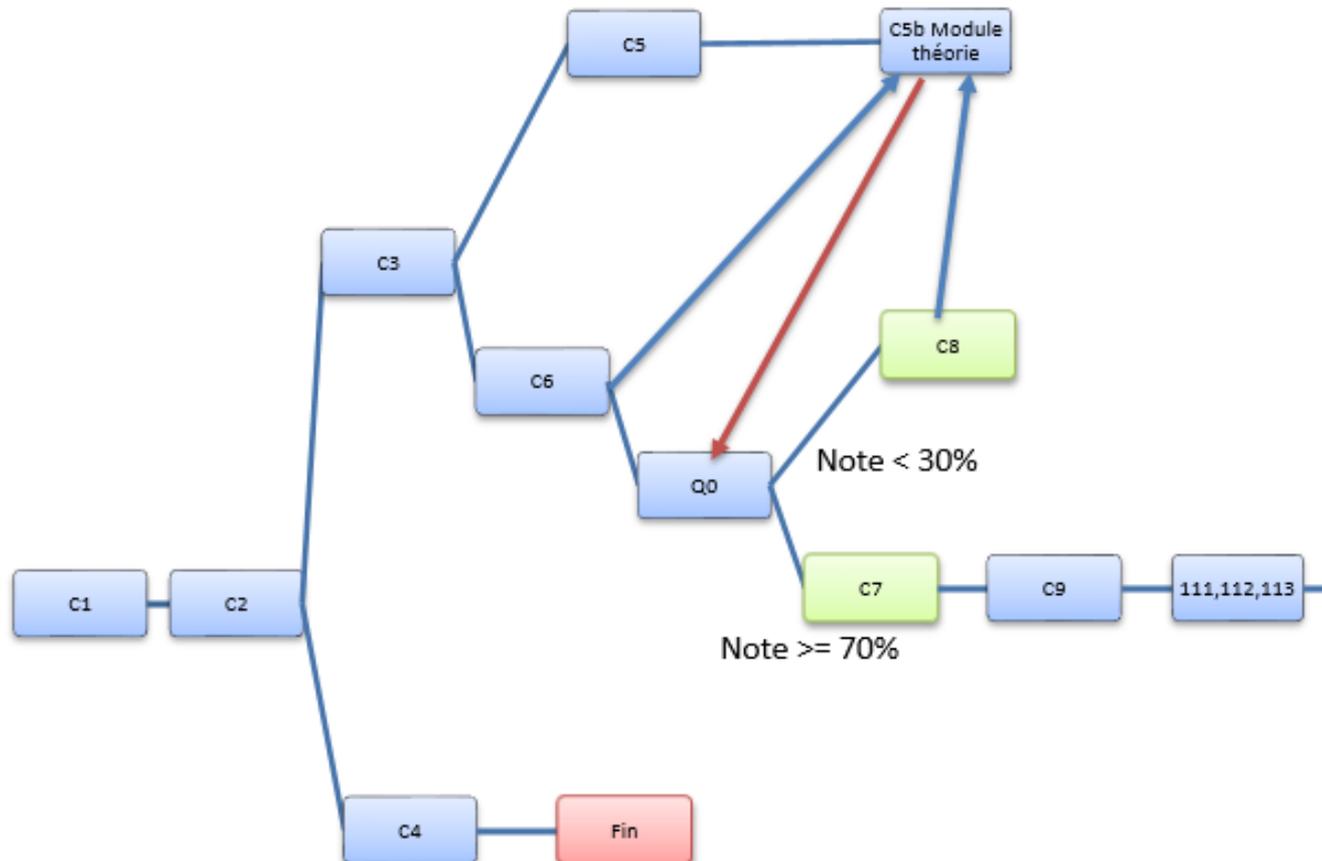
Identify the learning game elements:

- Content elements (knowledge),
- Module training
- Choice element or orientation element (the learner must answer a question or make a choice to carry on),
- Quizzing,
- Etc.

Step 1: storyboard

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- Forecast the content sequence:



Step 2: Creation

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- Creation of visuals:



Step 2: creation of the learning game

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Opale and Topaze from ScenariChain (free software) :

- **Opale** allows to create "pieces of content" which can be put together to create a module:

The screenshot displays the Opale 3.6 (fr-FR) application window. On the left, an 'Explorateur' (Explorer) pane shows a file tree for 'SAP Théorie', with '0.1activiteapprentissage.xml' selected. The main workspace is titled 'Opale 3.6 (fr-FR) - accueil' and shows a configuration for an 'Activité d'apprentissage' (Learning Activity) titled 'La notion d'ERP et SAP'. The configuration includes a title, a short title, and a list of objectives. The first objective is: 'Cette partie du module a pour objectif de proposer plusieurs définitions, de préciser la place de SAP dans le marché des ERP. Nous aborderons ensuite la notion de modularité, ainsi que la problématique d'implantation des ERP dans les organisations.' Below the objectives, there is an 'Introduction' section and a 'Grain de contenu' (Content Grain) section. The content grain is titled '1.00Définition.xml (SAP Théorie_2017-5-29/SAP Théorie/activités)' and contains a 'Définition' field. A second 'Grain de contenu' section is visible at the bottom, titled '1.01Définition2.xml (SAP Théorie_2017-5-29/SAP Théorie/activités)'. The interface also shows a 'Brouillon' (Draft) button and various editing tools.

Step 2 : Creation

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La notion d'ERP et SAP



La notion d'ERP et SAP

Objectifs

Cette partie du module a pour objectif de proposer plusieurs définitions, de préciser la place de SAP dans le marché des ERP. Nous aborderons ensuite la notion de modularité, ainsi que la problématique d'implantation des ERP dans les organisations.

- Définition
- Définition (suite)
- La place de SAP dans le marché des ERP
- Les concurrents de SAP
- Les entreprises qui travaillent avec SAP
- Architecture traditionnelle client-serveur de SAP
- La modularité dans SAP
- La modularité dans SAP (suite)
- Les différents systèmes SAP

La notion d'ERP et SAP

- Définition
- Définition (suite)
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- La modularité dans SAP (suite)
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Step 2: Creation

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Learning Game "Interface SAP"

Suite...

La conversation se poursuit...



Prochaine étape

- Pas du tout...
Suite...
- Un petit peu, mais j'ai bien besoin d'une remise à niveau...
Suite...
- Parfaitement : cela fait 20 ans que je travaille dessus et j'ai même animé des formations !
Suite...



Step 2: Creation

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The screenshot displays the SAP IDES development environment. On the left, the 'Explorateur' (Explorer) pane shows a project structure under 'Ressources SAP Intro', with 'mapinterface.xml' selected. The main workspace is titled 'Plan graphique' and 'mapinterface.xml'. It contains a 'Zone' with an 'Étape' (Step) that is 'Accessible uniquement si déjà visitée' (Only accessible if already visited). The step includes a 'Condition ...' and a 'Résumé ...' (Summary). Below this, another 'Zone' is visible, containing a 'Barre Menu' (Menu Bar) and a 'Résumé ...'. The central area shows a graphical representation of the menu interface, including a 'Barre de menu' (Menu Bar) with 'Menu', 'Traiter', 'Favoris', 'Autres fonctions(L)', 'Système', and 'Aide'. Below the menu bar is a 'Barre d'outils' (Toolbar) and a 'Barre de titre' (Title Bar). The main content area is labeled 'Zone d'accueil personnalisable' (Customizable home zone) and features the 'SAP IDES' logo and 'SAP Academic Competence Center' text. The bottom of the workspace shows an 'Arborescence SAP' (SAP Hierarchy) pane with a tree view of menu items like 'Favoris', 'Menu SAP', 'Bureautique', 'Composantes inter-applications', 'Organisation', 'Collaboration Projects', 'Logistique', 'Gestion comptable', 'Ressources humaines', 'Systèmes d'information', and 'Outils'.

[Advantages/disadvantages]

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Advantages:

- Free
- Flexibility

Disadvantage:

- Tool not intuitive, long to take in hand, but tutorials are available on the internet

HTLM File

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ScenariChain



MindView



Allows to create "Map" :

- To jot down ideas during a meeting
- To brainstorm
- To write a content: training module, research article, theses and Phd (the map can be export in a word processor).
- To create a presentation: presentation mode or export in Powerpoint
- To create HTML files or "paquetage Scorm ".
- To help us for projet management : Gantt, time lines, resources management, etc.

MindView



Advantages:

- Great flexibility
- Automatic exports
- Very intuitive tool

Disadvantage:

- None 😊