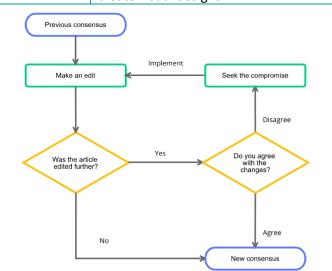
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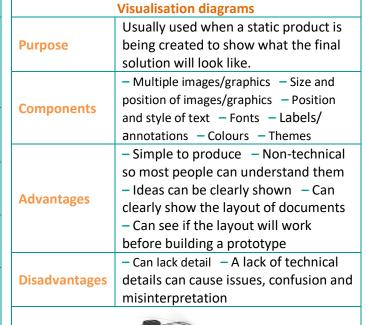
TA1: Design Tools

1.1. Types of design tools

Flow charts	
Purpose	Shows the steps, decisions and
	outputs in a process.
Components	 Start point — End point — Decisions
	Processes – Input/output
	 Connecting lines with directional
	arrows
Advantages	 Can be useful for simple designs
	with a small number of tasks and
	decisions Does not need any
	specialist knowledge to understand
	the flow chart. — Can show
	sequences/steps that need to be
	followed in order.
Disadvantages	 The processes and decisions are
	shown sequentially so does not show
	concurrent tasks. – Can become
	complicated if a lot of decisions need
	to be shown. — Cannot be used to
	create visual designs.



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Mind maps		
Purpose	To generate outline ideas or to present ideas to an audience. Types: – Library (sort/organise information) – Tunnel timeline (problem solving) – Presentation (present ideas).	
Components	 Nodes - Sub-nodes - Connecting lines (branches) - Key words - Colours - Images 	
Advantages	 Easy to add ideas at any time Can help focus on the ideas and links between them Show dependent ideas 	
Disadvantages	 Can be difficult for others to understand The correct type of mind map needs to be used 	
Sedimentation Decantation Insoluble Filtration Filtration Filtration Filtration Filtration Filtration Filtration Filtration Filtration Composition Carbon dioxide Argon Other gasses Troposphere Stratosphere Mesosphere Mesosphere Thermosphere Exosphere Exosphere		
Dominance Padenger Strategies Proceers Strategies Innovation Strategies Proceers Late Indicesers Late Indic		





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TA1: Design Tools

1.1. Types of design tools Wireframes Focuses on what the product will do, rather than what it will look like. Types: - Low-fidelity wireframe (uses basic shapes and image placeholders **Purpose** with limited specific details) - Highfidelity wireframe (shows actual content, fonts, colours, image, dimensions and branding) Low-fidelity wireframe: - Boxes - Box labels - Image placeholders - Layout grids **Components** High-fidelity wireframe: Branding - Colours - Fonts - Text - User interaction functionality Information and graphical elements can be positioned and moved around - The size of the elements can be changed - The design can be finalised in a low-fidelity without the **Advantages** clutter of, for example, font types/colours - High-fidelity can be used in the testing process — Changes can be made efficiently - Interactive features cannot be **Disadvantages** shown in low-fidelity — High-fidelity







	besited appliance (DTT)
Used to create:	 Visualisation diagram
	– Mind map
	 High-fidelity wireframe
Advantages	 The software allows elements from
	different files to be combined
	 Images can be imported from, for
	example, a scanner or a graphics
	package
	 Different elements can be grouped,
	which means that a group of elements
	can be moved as one
	 Elements can be positioned by using
	a 'drag and drop' feature which will

enable precise positioning to be used

Desktop Publisher (DTP)





