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MODULE: MULTIMEDIA & COMPUTER GRAPHICS

Assignment

Identify three novel applications of the Internet or multimedia applications. And discuss why Adobe Photoshop is commonly used today as the photo editing software…

The Three Novel Applications of the Internet or Multimedia Applications

1. Virtual Museums and Cultural Experiences

Description:
With platforms like Google Arts & Culture, people can explore museum exhibits, artworks, and historical landmarks virtually through high-resolution imagery, 360° views, and interactive guides.

Why It's Novel:

- Makes art and culture accessible globally, especially to those in remote areas.
- Encourages digital preservation of fragile artifacts and sites.
- Enhances education and tourism through immersive, multimedia-rich content.

2. Smart Classrooms and eLearning Platforms

Description:
Tools like Moodle, Google Classroom, and multimedia content platforms such as YouTube or Coursera use videos, animations, interactive quizzes, and VR/AR to enhance learning.

Why It's Novel:

- Turns passive learning into an interactive experience.
- Supports various learning styles through text, audio, and video.
- Enables remote education and flexible, self-paced learning.

3. Interactive Journalism and Digital Storytelling

Description:
Modern journalism uses multimedia (videos, infographics, soundscapes, interactive maps) to enhance storytelling. Examples include NYTimes' interactive pieces or Al Jazeera's immersive reports.

Why It's Novel:

- Engages readers through emotionally resonant, visually rich storytelling.
- Improves comprehension of complex topics (e.g., war, climate change).
- Encourages audience participation and data exploration.

Why Adobe Photoshop Is Commonly Used Today as Photo Editing Software

1. Professional-Grade Tools and Flexibility

- **Layering system:** Allows multiple layers of edits and designs without affecting the original image.
- **Advanced tools:** Includes content-aware fill, healing brush, clone stamp, liquify, and smart objects for non-destructive editing.
- **Supports vector and raster editing**, which gives designers flexibility for different kinds of creative work.

2. Industry Standard Across Creative Fields

- Widely used in photography, web and graphic design, advertising, fashion, and publishing.
- Its **.psd** file format is accepted by most design software for seamless integration.
- Professionals often list Photoshop proficiency as a key skill in job descriptions.

3. AI & Machine Learning Integration

- Features like **Neural Filters** for facial adjustments, **Sky Replacement**, and **Subject/Object Select** enhance productivity and creativity.
- Automates complex edits in seconds with minimal effort, useful for professionals and casual users alike.

4. Creative Cloud Integration & Ecosystem

- Seamless collaboration with other Adobe apps like **Illustrator**, **Lightroom**, **Premiere Pro**, and **After Effects**.
- Cloud saving, version history, and mobile support make it more accessible and secure.
- Supports real-time collaboration and syncing across devices.

5. Community, Tutorials, and Learning Resources

- Massive global user base leads to extensive tutorials, forums, templates, and plugins.
- Both **beginners** and **professionals** can find material tailored to their level.