Link to doc: https://goo.gl/qLiZLA

AMOS WS23 Project # GUI Frame Diff

Instructions

The project report will be published on our blog. It should be short and sweet, focussed on what you achieved.

> "I did not have time to write a short letter, so I wrote a long letter instead." Attributed to Mark Twain

Being concise is hard work and takes time. Please write as professional a text as you can. Use formal language and correct grammar.

For illustrations please use a persona rather than "test X" or "testperson12".

Prior examples (not necessarily following our instructions, sadly), can be found here:

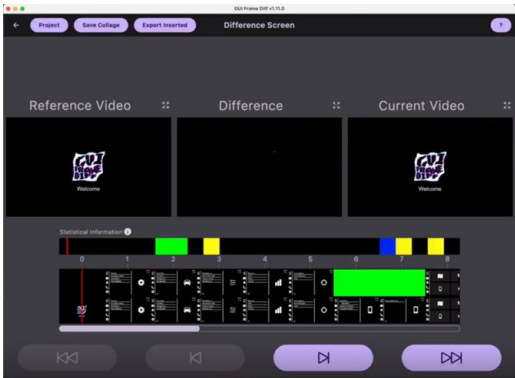https://dirkriehle.com/2021/03/02/summary-of-the-winter-2020-21-amos-projects/

https://oss.cs.fau.de/2018/08/01/show-casing-the-2017-amos-project-simulating-a-cars-ecus-using-a-raspberry-pi-5/

Template

Please use the following template for creating your project report.

Project name	GUI Frame Diff
Project mission	The mission of this project is to develop a comprehensive and efficient GUI Frame Diff tool, structured into three synergistic libraries. Library 1 will focus on optimizing storage efficiency. It will combine multiple screenshots from a car's infotainment system into a single, compact video file. The key goal is to significantly reduce storage consumption without compromising the quality and integrity of the visual data. The core functionality of Library 2 is to accurately identify and articulate changes between two video sequences. This includes both frame-level modifications and pixel-level differences within frames. Building upon Library 2, UI-focused Library 3 will provide a user-friendly interface that allows users to effortlessly generate and visualize differences between videos.
Industry partner	e.solutions GmbH

Team logo	
Project summary	The GUI Frame Diff tool is a powerful, intuitive, and efficient solution for comparing sequences of screenshots. The user interface is designed to offer an intuitive and efficient way to utilize the tool's capabilities. A wide range of customizable settings are available directly within the GUI, allowing users to optimize the output of the difference comparison according to their specific needs. The GUI Frame Diff consists of three parts: • Library 1: Combines multiple images into a single, compact video file • Library 2: Accurately identifies differences between two video sequences. We differentiate between added screens, deleted screens and pixel differences within screens • Library 3: Provides a user-friendly interface that allows users to effortlessly generate and visualize differences between videos using the functionality of Library 2
Project illustration	
Team photo	One or more photos (optional)
Project repository	https://github.com/amosproj/amos2023ws03-gui-frame-diff

Additional information	Any additional information you would like to provide (optional)

Additional information | Any additional information you would like to provide (optional)