A PHP and JavaScript Web Application for Photo Editing

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***Abstract*—This undergraduate thesis investigates browser-based photo editing with PHP and JavaScript. Users may need simple image changes without installing a separate desktop editor. The student reviews web technologies, designs an image-editing interface, and implements the planned basic editing functions using PHP and JavaScript. The report presents the interface and examples of its operation. The conclusion states that the basic program and report were completed against the student proposal. It also acknowledges that the interface is plain and the set of editing functions is narrower than on established online photo editors. The source does not include a controlled usability study, image-quality benchmark, or evidence of public deployment. Completion of planned screens is distinct from verified suitability for professional editing. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—photo editing, PHP, JavaScript, web application**

I. Introduction

Users may need simple image changes without installing a separate desktop editor. This thesis investigates browser-based photo editing with PHP and JavaScript. It begins from a practical engineering need and explains the technologies and workflow chosen for the case. The objective is to document a student implementation or comparative investigation, together with the evidence available in the manuscript. Broader operational or economic effects require separate measurements and are not assumed from the existence of a prototype [1]. Earlier ICTU student work on related designs is included here for context [2], [3]. Related published studies provide context for the subject and methods [4], [5], [6], [7], [8], [9], [10]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The student reviews web technologies, designs an image-editing interface, and implements the planned basic editing functions using PHP and JavaScript. The report presents the interface and examples of its operation. The source is summarized through its stated design, implementation material, examples, and conclusion. Features shown in the manuscript are distinguished from proposals for later development. This review does not add a new experiment, fill missing measurements with estimates, or treat a planned capability as an observed result. The source thesis remains the provenance for the reported work [1].

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III. Results

The conclusion states that the basic program and report were completed against the student proposal. It also acknowledges that the interface is plain and the set of editing functions is narrower than on established online photo editors. The report's screens, configurations, examples, or measurements constitute the evidence for this summary. A capability described only as a design intention is not counted as a validated operational outcome. No additional performance, adoption, financial, or safety figure has been introduced here. The result is interpreted within the scope of the student's documented setup [1].

IV. Discussion

The source does not include a controlled usability study, image-quality benchmark, or evidence of public deployment. Completion of planned screens is distinct from verified suitability for professional editing. Later work could add carefully tested editing functions, improve visual design, and evaluate file handling and accessibility with representative images. These limitations affect how the evidence should be read. The current manuscript can support understanding of the design and reported demonstration, while independent tests would be needed for stronger claims. Any later deployment should document its environment and separate observed outcomes from intended benefits [1].

V. Conclusion

The thesis documents browser-based photo editing with PHP and JavaScript. The conclusion states that the basic program and report were completed against the student proposal. It also acknowledges that the interface is plain and the set of editing functions is narrower than on established online photo editors. The source does not include a controlled usability study, image-quality benchmark, or evidence of public deployment. Completion of planned screens is distinct from verified suitability for professional editing. Later work could add carefully tested editing functions, improve visual design, and evaluate file handling and accessibility with representative

images. Accordingly, the present contribution is a source-grounded account of the student work and its tested or illustrated scope. Claims about broader effectiveness should be assessed in later work using explicit evaluation conditions [1].

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