

ABSTRACT

Empowr is a web-based outsourcing platform initially developed using OutSystems to rapidly build a Minimum Viable Product (MVP). However, limitations in design flexibility and user interface hindered its ability to reflect brand identity and deliver optimal user experience. This study aims to convert the interface from OutSystems to a full-code approach using Tailwind CSS, focusing on improving visual flexibility and technical quality. The conversion process was conducted iteratively through layout translation, visual styling, and component development. Evaluation was carried out using Google Lighthouse to assess performance and accessibility. Results indicate that the converted design achieved an average performance score of 94,94 and accessibility score of 83,71, with actionable insights including image optimization, reduction of unused JavaScript, and improvements to accessible elements. This study serves as a technical reference for similar front-end development projects based on full-code approaches.

Keywords: *Minimum Viable Product (MVP), Tailwind CSS, OutSystems, Google Lighthouse*