

ABSTRACT

This research aims to build a back-end application that can be used effectively and efficiently in the xEV Center visitor management system application. This application is used for prospective xEV Center visitors to register themselves before making a visit. With this application, it is hoped that it can help prospective visitors who want to register to visit the xEV Center, so that the admin can easily manage data from the visitors who will attend. In its development, this application uses the PHP programming language assisted by the Laravel framework as its basis and uses an iterative incremental method during the development process. In this development, 2 iterations were carried out and 2 testing methods were used, namely black-box-testing and user acceptance testing with a final result of 91%, so that the xEV Center visitor management system application was ready to be implemented and could help visitors register themselves. before visiting the xEV Center as a learning center for various types of electric vehicles.

Keywords: xEV Center, Iterative Incremental, Learning Center, Electric Vehicles, Testing, Black-Box-Testing, User Acceptance Testing, Laravel Framework.