

ABSTRACT

PHOTO STUDIO RESERVATION WEBSITE BACKEND DEVELOPMENT USING AGILE METHODS

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The development of technology has progressed rapidly along with the increasing needs of the community. It is not surprising that the development of technology and information has penetrated various sectors, including industry and creative businesses. An example of the creative business sector is photography. The "Infokus" photo studio is one of the businesses engaged in the photography service sector. The "Infokus" photo studio requires customers to make a reservation process before the photo shoot is carried out. The current reservation process often causes several obstacles. The limited operating time of the studio to serve reservations via WhatsApp can cause delays in schedule confirmation. This study aims to facilitate the current reservation process. This study uses the Agile method. Data collection was taken by interview and questionnaire to strengthen the problem. Before conducting the distribution, the researcher used the Random Sampling technique and sample determination using Slovin in this study, the number of respondents was 60 with an age range of 18-45 years without considering the population strata. This test uses Unit Testing which obtained test results of 9 testcase controllers with a time record of 6,669 seconds and Blackbox Testing with an average success rate of 97.78%. It can be concluded that the testing in this study was quite good. The result of this research is the design of a REST API that facilitates data exchange and functional needs of features on the photo studio reservation website.

Keywords: Website, REST API, Backend, Reservation, Photo Studio, Agile