

RESTFUL API IMPLEMENTATION IN APPLICATIONS ELECTRONIC EQUIPMENT REPAIR SERVICES

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ABSTRACT

An integrated system is a process related to combining different sub systems into other systems. Therefore the application to be built uses RESTful API (Representational State Transfer application programming interface) technology. RESTful API is a technology that can be used to exchange data. The purpose of this research is to build a RESTful API so that it can be easily accessed in the form of JSON (Javascript object notation) data by applications on different platforms such as android applications. For RESTful API development, you need the CodeIgniter framework as an application framework. An electronic service provider in promoting its services is still less effective in increasing revenue. Meanwhile, actors ordering electronic services also often experience problems in searching for electronic service providers. To optimize electronic service ordering, a system is needed that can be used for electronic service promotion media and can interact between actors ordering electronic services and these electronic service providers. The system design was carried out using the RAD (Rapid Application Development) research methodology, which is a high-speed adaptation system development method. Then the system design is carried out, followed by implementing an API that will handle requests and data responses between clients and servers so that the data remains integrated. The result of this research is the creation of a system with a RESTful API architecture and implementing it in electronic service provider applications.

Keywords: RESTful API, JSON, RAD, CodeIgniter, Electronic service applications