

## ABSTRACT

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WEBSITE BASED CAR RENTAL APPLICATION USING REACT AND SANITY.IO

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(xiv +70 + attachments)

GoRental car rental is a place of business that provides car rental services to customers for a certain period of time. Customers can rent cars daily, weekly, monthly or even for a long period of time as needed. GoRental's car rental business has various types of cars for rent including economy cars, sedans, SUVs and luxury cars (sports cars). All cars in GoRental are tailored to the size and needs of customers. The research objective is to create a website-based car rental application. This website makes it easy for customers to rent a car so customers don't need to go to the location to rent a car. The method used is the System Development Life Cycle (SDLC) which consists of five stages: planning, analysis, design, implementation and testing. The website is built using React, Sanity.io and CSS with Visual Studio Code as the text editor. The design is made using navigation structures and UML diagrams (use case diagrams, activity diagrams and class diagrams). The website has been successfully tested using black box testing and a browser. The trial results show that the application can run properly and all menus can function. Browser trials were carried out on three browsers, namely Google Chrome, Safari on Mac and Microsoft Edge. This application has been successfully hosted with the url address <https://rc-anggaar3112-gmailcom.vercel.app/>.

Bibliography (2006 - 2022)