

**Car Rental**

Group 12

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Class : 4SC5

CEP CCIT

FAKULTAS TEKNIK UNIVERSITAS INDONESIA

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**Developed by**

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**PROJECT ON**

*Car Rental*

**Car Rental**

Batch Code : 4SC5

Start Date : 23 June 2020   
End Date : 03 July 2020

Name of Faculty : Mr. Riza Muhammad Nurman

Names of Developer :

1. Muhammad Dani Setiawan
2. Muhammad Zain Rizqullah (1820010155)

Date of Submission: 03 July 2020

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**CERTIFICATE**

This is for certificate that this report titled “Car Rental” embodies the original work done by Muhammad Dani Setiawan and Muhammad Zain Rizqullah. Project in partial fulfillment of their course requirement at NIIT.

Coordinator:

Mr. Riza Muhammad Nurman

**ACKNOWLEDGEMENT**

First and foremost, the members would like to give all praises to Allah, the Almighty God, who has given his help and guidance to the members to accomplish this project entitled “Car Rental”.

The members would also like to thank every parties that has given their support. First and most importantly are the members’ parents. Secondly Mr. Riza Muhammad Nurman, the members’ faculty, who has provided her guidance, referrals, and supports to complete this report.

The members acknowledge that this project report is still far from perfection. There are many mistakes and shortcomings on the process of finishing this report. Despite that, the developers hope that readers willingly give their feedbacks and suggestions to make improvement on this report.

Final words, the developers fully hope that this report would be useful for those who has interest in information and technology, especially for CEP-CCIT students.

**SYSTEM ANALYSIS**

**System Summary**:

This application was created to make it easier to order the services we provide. The renter does not need to come to our place to make the order to rent a car, just open our website and register the order by filling out the order form, after the user fills the order form then we will confirm via email that the user has sent. The application can save the customer's status, we also complete the application with CRUDS using GAE, JSP, JS, and API. we will discuss in full in the Implementation section.

**PLANNING AND CONFIGURING**

**A CLOUD SOLUTION**

Firebase Config:

* apiKey : "AIzaSyC-QK0r4ZYH6FyBcDeqjoi5nj\_pICRkTZA",
* authDomain : "mdanisetiawan4sc5.firebaseapp.com",
* databaseURL : "https://mdanisetiawan4sc5.firebaseio.com",
* projectId : "mdanisetiawan4sc5",
* storageBucket : "mdanisetiawan4sc5.appspot.com",
* messagingSenderId : "713261631951",
* appId : "1:713261631951:web:40d3cb347dd668e33eaaba",
* measurementId : "G-NH0QCT0VF8"

**DEPLOYING AND IMPLEMENTING**

**A CLOUD SOLUTION**

Implementation :

1. **Google App Engine (GAE)**

Build and deploy apps quickly using popular languages or bring your own language runtimes and frameworks. You can also manage resources from the command line, debug source code, and run API back ends easily.

1. **Java Server Page (JSP)**

JSP (Java Server Page) is a technology for controlling the content or appearance of Web pages through the use of servlets, small programs that run on a Web server. Sun Microsystems, makers of Java, refer to JSP technology as the Servlet API (Application Program Interface). HTML pages that contain links to Java servlets have the suffix .jsp.

1. **Application Programing Interface (API)**

The application programming interface is a translator of communication between client and server to simplify software implementation and improvement. for its implementation we use the Firebase Project Firebase is a GCP project that has additional Firebase special configurations and services. we can use products and APIs, both from Firebase and GCP, in the project.

1. **Java Script (JS)**

JavaScript is a high-level and dynamic programming language. JavaScript is popular on the internet and can work in most popular web browsers such as Google Chrome, Internet Explorer (IE), Mozilla Firefox, Netscape and Opera. JavaScript code can be inserted in web pages using the SCRIPT tag. JavaScript is one of the core technologies of the World Wide Web besides HTML and CSS. JavaScript helps to create interactive web pages and is an essential part of web application.

1. **Cascading Style Sheet (CSS)**

CSS is short for Cascading Style Sheet. CSS is a collection of codes that aim to decorate and arrange the style of appearance / layout of web pages to make it more elegant and attractive. The author uses CSS to decorate and adjust the display style of every page of the website.

**PROJECT FILE DETAILS**

|  |  |  |
| --- | --- | --- |
| **No** | **File Name** | **Remarks** |
| 1. | .html .css, .javascript | Hypertext Markup Language is the language used to create web pages,  Cascading Style Sheets are rules for some components in the web so that they will be more structured and uniform.  Javascript is a computer language or programming code used on a website so that this website becomes more interactive and dynamic. |
| 2. |  |  |