DEVELOPING THE ONTEGO FORE PROTOTYPE WITH A SIMPLIFIED USER INTERFACE ON TOP OF ELECTRON PLATFORM

By

Leonardo Kurnia
11402017

BACHELOR'S DEGREE
in

INFORMATION TECHNOLOGY
FACULTY OF ENGINEERING & INFORMATION TECHNOLOGY

SWISS GERMAN UNIVERSITY
The Prominence Tower
Jalan Jalur Sutera Barat No. 15, Alam Sutera
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Revision after the Thesis Defense on July 16th, 2018

STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

DEVELOPING THE ONTEGO FORE PROTOTYPE
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By

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The main purpose of this research is to develop a prototype of the Ontego Fore product. Ontego Designer is a tool used to quickly develop a complex hybrid client application through the use of flow charts and GUI editors. The main focus of this project is to improve the user experience of the Ontego Designer while utilizing a late trending technology, Electron JS. The project begins with system analysis and listing user requirements, followed by software design, implementation, and test. One of the important theories in this project is the nine key-concept in user experience which is applied in the design and implementation of the prototype. After completing the implementation, some test to validate the core functionalities of the Ontego Fore are carried out along with a user acceptance test. Finally, a usability test is performed to compare the current version of the Ontego Designer to the Ontego Fore prototype, especially focusing on the user experience. The usability test implies the improvement of user experience in the Ontego Fore prototype in comparison to the current version of Ontego Designer with the score of 4,00 and 2,65 respectively.

Keywords: Commsult, Mobility, Electron, Ontego, User Experience, User Interface.

DEDICATION

I dedicate this works for the company that opens a path for my future career:

Commsult AG

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