

Developing the Ontego SDK: App Inspector

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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 acknowledgment is made in the thesis.



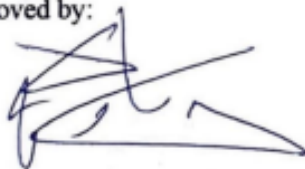
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ABSTRACT

DEVELOPING ONTEGO SDK: APP INSPECTOR

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Developing a customized mobile application takes a huge amount of time and labor. Hence, commsult developed Ontego Designer, a drag-and-drop flowchart app builder, to streamline the development of customized mobile applications (Ontego Projects). However, over time, the technology of Ontego Designer became outdated, making it difficult to meet the evolving requirements of customers. To meet evolving customer needs, the Product Team proposes Ontego SDK, a Flutter-based software development kit. Ontego SDK offers a comprehensive collection of functions, services, packages, and UI libraries tailored for Ontego Projects, along with the App Inspector tool. The research aimed to develop the App Inspector, an automated analysis tool, which analyzes Ontego Projects' source code and generates fundamental application details, including View (screenshots), Flow (flowchart), and Services (list of services), for customers. These details later can be viewed in the customer's Ontego4SAP Cockpit dashboard. The prototype of the App Inspector for the View part was successfully created and tested, showing satisfactory functionality and usability with the score of 4.54 out of 5.

Keywords: Commsult, Automated Analysis Tool, App Inspector, Ontego, Flutter, Software Development Kit, Usability Testing.

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DEDICATION

I dedicate this works for the company that nurtures me:
commsult AG

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I would like to begin by expressing my deepest gratitude to God for guiding me up to this day, you have been truly faithful and loving to me, nothing can truly express my love and gratitude to you. To my dearest family, thank you for always being my greatest support, for your love and prayer, and for always being there for me. I could stand strong now because of you guys.

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