



**FACULTY
OF INFORMATION
TECHNOLOGY
CTU IN PRAGUE**

ASSIGNMENT OF MASTER'S THESIS

Title: Coffee Time Mobile Application in Flutter
Student: Bc. Petr Nymša
Supervisor: Ing. David Šenkýř
Study Programme: Informatics
Study Branch: Web and Software Engineering
Department: Department of Software Engineering
Validity: Until the end of summer semester 2020/21

Instructions

By the end of 2018, the first stable version 1.0 of Flutter was released. The current stable version is 1.12.13 and the technology is still developing. The goal of this thesis is to design, implement, and test a multiplatform mobile application developed by this new technology. For this purpose, an example mobile application focused on the search for cafes will be implemented.

Steps to follow:

1. Current Flutter provides different state management approaches. Compare 2 approaches and select the one that you prefer.
2. Based on the previous decision, design the architecture of the application.
3. Implement the application that provides the following functionalities: search for a nearby café, details of the café, add/remove tags of the café, e.g. pet-friendly, child-friendly, etc.
4. Provide user testing.
5. Summarize and evaluate the results you have achieved.

References

Will be provided by the supervisor.

Ing. Michal Valenta, Ph.D.
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doc. RNDr. Ing. Marcel Jiřina, Ph.D.
Dean

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