

Methods for solving iOS applications localization task

A.E. Naumenko

“Dirion LLC”
346815, Russia, Rostov region, Myasnikovsky District,
Krasny Krym Farmstead, 25a Yubileynaya street

Abstract. The article is dedicated to exploring the main methods of localizing an application into any number of languages. It examines localization methods available for XCode 14, describes practical cases of their application, and provides examples of use. In addition to this, it looks at tasks that require more flexibility than standard approaches offer and explores solutions for such tasks, specifically, methods of dynamic localization, based both on the use of runtime features and on the creation of custom localization containers.

Keywords: iOS, mobile applications, interface, Auto Layout, Swift, Interface Builder, Localization, Localizable

REFERENCES

1. Localization. URL: <https://developer.apple.com/documentation/xcode/localization> (дата обращения: 04.12.2023).
2. Customizing the behavior of segue-based presentations. URL: https://developer.apple.com/documentation/uikit/resource_management/customizing_the_behavior_of_segue-based_presentations (дата обращения: 04.12.2023).
3. Романков С. В. Технология *auto layout* на платформе IOS // Точная наука. 2022. Выпуск 137.
Romankov S.V. Auto layout technology on the IOS platform. *Tochnaya nauka* [Exact science]. 2022. No. 137. (In Russian)
4. Placing Content in a Bundle. URL: https://developer.apple.com/documentation/bundleresources/placing_content_in_a_bundle (дата обращения: 04.12.2023).
5. Method Swizzling in iOS Development. URL: <https://www.innominds.com/blog/method-swizzling-in-ios-development> (дата обращения: 04.12.2023).

Information about the author

Aleksander E. Naumenko, Head of Mobile Application Development Department at “Dirion LLC”;

346815, Russia, Rostov region, Myasnikovsky District, Krasny Krym Farmstead, 25a Yubileynaya street;
naumenko10@yandex.ru, ORCID: <https://orcid.org/0009-0000-0264-7949>