

# Chapter 3

## Location-Based Internationalization and Localization With Mobile Computing

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### **ABSTRACT**

*The Android system operates on many smartphones in many locales. Websites and web tools have their own requirements in day-to-day life. To reach the maximum users, the app and website should handle all the resources such as text strings, functions, layouts, graphics, and any other static data that the app/website needs. It requires internationalization and localization of the website and app to support multiple languages. The basic idea of this chapter is to present an approach for localizing the Android application according to the location data that the app received from the device, but many users do not allow the “access location” feature so this approach will be a dead end in this case. The authors have proposed some other techniques to achieve this feature of localization and internationalization by implementing the “choose language” service so that the app can itself optimize its content and translate it into the user’s native language.*

DOI: 10.4018/978-1-7998-4186-9.ch003

Figure 1. 'Hello' in different languages at different location (Ma, 2018)



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