

CASE STUDY: iPhone Language Translation Application

The Challenge:

To develop a language translation application prototype useful for translating words, image-related text and sentences from English to either Spanish or Swedish. Translations can be performed for entire sentences comprising words built from a predefined list (or grid) of subjects, verbs, nouns and adjectives. Individual words can be translated through the use of pictures or a built-in dictionary. For the prototype, translation subjects are limited to travel and hotel scenarios. The User Interface allows both touch selection, functional navigation via finger swipes and real-time language modification.

How We Met the Challenge:

- The prototype was developed using the iPhone SDK.
- The translation data was stored using iPhone's SQLite database.
- The prototype was tested, initially, on the iPhone simulator then later on the target hardware.
- The prototype was distributed to a select group using the Apple Ad-Hoc distribution mechanism.

Competencies deployed to this task:

- Project Management
- Requirement Management
- iPhone SDK
- GUI Design
- Objective-C
- SQL



Mobile Development competence areas:

Symbian OS, S60, iPhone, Windows mobile, J2ME, Android, Carbide IDE, MS Visual Studio, Device Drivers, Multimedia, Graphics, Bluetooth, Messaging, Telephony, Location Based Services, HP Mercury Quality Centre (MQC), QTP, TestQuest, Perforce, ClearCase.