Android Architecture:

We're programming a native android application using the default android framework and sqlite 3.8.4.3 as database technology. We're programming for API21.

For quality assurance we are using Robotium.

To build the android application the default gradle settings from android are used.

iOS Architecture:

Programming language: SWIFT

Xcode Version: 6.3.1

iOS SDK Version: 8.3

3rd-party-libraries: SQLite.swift

Description:

We are developing an iOS mobile application for iphone/ipad. We are using a 3rd party library for

connecting to a sqlite database called SQLite.swift. Every other component will be provided by the

iOS SDK 8.3 and Xcode in version 6.3.1.

Windows Phone Architecture:

- Windows Phone 8.1
- LINQ (Provides access to a SQLite Database)

HTML5:
The architecture of the HTML5-version of the app is shaped by the recent migration of AngularJS, specifically Mobile Angular UI. The underlying technologies remain the same. These technologies, besides HTML5 itself, are CSS3 and Javascript 1.8.5.

AngularJS, furthermore, uses parts of the already employed framework Bootstrap v3.3.4 and the Javascript library jQuery v2.1.4. The Mobile Angular UI based HTML5-version was created with a generator (Yeoman), which also contains bower and gulp along with the respective configuration files.

As database solution we employ SQLite in Version 3 (currently 3.8.9).

Phonegap:
The architecture of the HTML5-version of the app is shaped by the recent migration of AngularJS, specifically Mobile Angular UI. The underlying technologies remain the same. These technologies, besides HTML5 itself, are CSS3 and Javascript 1.8.5.

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