Software Engineering Smart Devices Applications

Abstract:

Mobile and smart devices are penetrating the society with such a great force that they have become omnipresent. It is this widespread popularity of the mobile devices that the Software development and engineering professionals have to take cognizance of the unique features of the mobile devices and adapt their developmental approaches to suit the needs to the mobile software. The developers of independent and business applications have found their new working ground in the form of the mobile devices because of their easy application transferability, unique sensors and computing capacity. Yet, we find the software developers lacking behind the fast paced expansion of this new platform. The paper would discuss 4 major issues faced by the software engineers for mobile applications and the prospects for future research work based on the present software engineering regions. We would be looking at the following issues: A) Creation for interface for handicaps; B) Providing cross platform applications; C) To design applications that are context-aware and, D) Handling uncertain requirements.