**Desktop Applications**

**Introduce the Topic**

* A desktop application is, according to PC Mag, “an application that runs stand alone in a desktop or laptop computer,” which is contrasted with a "web-based application, which requires the Web browser to run.”
* As the name suggests desktop applications run on desktop platforms whereas mobile applications that run in smartphones and tablets
  + <http://www.pcmag.com/encyclopedia/term/41158/desktop-application>

**History**

* August 12th 1981, when IBM introduced a PC hardware platform. IBM PCs used a text mode, command-line style operating system known as MS-DOS (which stands for Microsoft Disk Operating System), which eventually was replaced with the graphical Microsoft Windows OS in the 1990s. (http://www.seguetech.com/blog/2013/06/07/desktop-vs-web-applications-deeper-comparison)
* Then, the World Wide Web (WWW) took off in 1991 and the Mosaic web browser application was announced in 1993. These changes affected our world a great deal. (http://www.seguetech.com/blog/2013/06/07/desktop-vs-web-applications-deeper-comparison)
* Although early applications were developed to be run from mainframe computers and accessed via low-tech terminal devices, the increased power and availability of (relatively) powerful desktop computers ushered in an era of standalone desktop applications that were run locally on the PC. (http://www.seguetech.com/blog/2013/06/07/desktop-vs-web-applications-deeper-comparison)

**Desktop vs. Web Applications**

* “Software application development began with [desktop applications](javascript:void(0)), which could be used on standalone machines only.” (<http://www.streetdirectory.com/travel_guide/114448/programming/desktop_applications_vs_web_applications.html)>
* Web applications began replacing desktop applications for reasons of portability and better functions from usability point of view (http://www.streetdirectory.com/travel\_guide/114448/programming/desktop\_applications\_vs\_web\_applications.html)
* Web applications development “is usually made on client-server architecture and use a web-browser as the client interface.”( <http://www.streetdirectory.com/travel_guide/114448/programming/desktop_applications_vs_web_applications.html)>
* Desktop applications have traditionally been limited by the hardware on which they are run.
  + This hardware dependence, as well as the legacy of mainframe terminal applications, has typically limited the level of complexity in user interfaces for desktop applications.

**Present details about it (including code and non code based examples)**

**Provide Pointers to additional material on the topic for interested readers**

**Example of Lean Method**

**Why should software developers care about this topic?**

**Other information**

**References**

<http://www.pcmag.com/encyclopedia/term/41158/desktop-application>

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<http://www.kalzumeus.com/2009/09/05/desktop-aps-versus-web-apps/>

<https://medium.com/@collinmathilde/why-desktop-apps-are-making-a-comeback-5b4eb0427647#.vkprytwgs>