

Project: Medweb

Domain: Health Care

QSG Team performs testing of following Products in Medweb:

- 1) Teleradiology** is transmission of radiological patient images, such as x-rays, CTs, and MRIs, from one location to another for the purposes of sharing studies with other radiologists and physicians.
 - 2) Telemedicine** is the use of telecommunication and information technologies in order to provide clinical health care at a distance. The specialty solution used under Telemedicine are:
 - Dermatology
 - Stroke
 - Ophthalmology
 - Dental
 - Wound Care
 - General Telemedicine
 - Psychiatry
 - 3) 3D Viewer** is used to manage study workload with fully-functional, feature-rich, Web-based diagnostic image viewing, and fully linked report workflow including voice recognition and hanging protocols. Some of the capabilities used are:
 - View and manage studies on any workstation
 - Integrated dictation and voice recognition
 - Customizable report templates
 - Customizable mouse-click behavior
 - Real-time 3D rendering and sculpting
 - Automated vessel analysis
 - Vessel flythrough
 - 4) Medweb Mobile Consult or MedConsult** allows physicians to take their practice mobile; using iPads or iPhones to securely submit consults directly to the Medweb server. The devices used are :
 - iPhone 4s and above (iOS 8.1 and above)
 - iPad 3 and above (iOS 8.1 and above)
 - 5) Medweb Collage** offers the flexibility of having synchronous video or audio consults while simultaneously streaming high-resolution data such as EKG, Ultrasound, Multiscope, Stethoscope, Pulse OX. Features provided are:
 - Secure Desktop Video with up to 4 participants
 - High resolution DICOM Viewer
 - Upload and store captured images & demographics to the cloud
- The devices used to test Collage are:
- iPad 3 and iPad Air 2 (iOS 7 and above)
 - Nexus 7 tablet (Android 4.2 and above)
 - Windows Collage (Windows 7 and Windows 8)

- Web Collage (IE 9 and above, Chrome and Firefox)

6) Medweb Automation: A part of test cases were automated using "Selenium" and "Robot Framework" tools

7) Hand-held Telemedicine Kit provided to QSG is a deployable kit of fully customized and integrated suite of digital medical devices needed to conduct first-line patient exams. This handheld kit includes:

- Abdominal Ultrasound
- Bluetooth Pulse Oximeter
- Ultrasound Gel
- Digital EKG
- Bluetooth Stethoscope
- Camera Direct wifi SD card
- Multi-Scope

8) Medweb Servers: Red Hat Linux Servers which provides security to health care information. The Dell Power Edge R210 and Dell Power Edge R210 ii is provided to test above mentioned top 5 features in Medweb.