**Application Development Project for Clinical Skills at West Virginia School of Osteopathic Medicine**

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Goals

* Create application initially for Apple and then eventually Android and even possibly Windows
* Application will be designed to contain basic information that is instructed in Clinical Skills 1 and then eventually also include information that is instructed in Clinical Skills 2
* The application itself will not have videos imbedded, but will contain links to videos that Clinical Sciences has posted to YouTube
* This application will be available to WVSOM students, faculty, staff, and alumni with the eventual consideration to make it available to anyone that wishes to use it
* This project is a continuation/change of direction from the Google Glass project that Dr. Gail Swarm and Ryan Farnsworth, OMS-IV had both previously both worked on
* Having a pilot version available for usage while teaching students about the musculoskeletal system (if only the musculoskeletal system is available that is fine) for the incoming Class of 2020 (by roughly mid-August/early September 2016)

Description

Having an application created that can contain at first all of the information that is presented in Clinical Skills 1 and then eventually information from Clinical Skills 2 and OPP would be an invaluable resource to WVSOM as a whole. Initially, this would serve primarily as a resource for Clinical Skills 1 information and once that usage has been solidified, reviewed, and vetted a continuation to further develop the application would occur.

Desired Design Description

The application would be designed to have a basic menu that has categories listed such as the following with additional subsections included (possibly and not yet completely decided upon):

* Musculoskeletal
  + Spine
  + Upper Extremity
  + Lower Extremity
* Cardiovascular
* Respiratory
* Head, Ears, Nose, Throat
* Abdomen
* Neurological
* Eyes
* Pelvic
* Head to Toe Physical Exam

Each category would include information that revolves around the cardinal techniques of a physical exam that includes inspection, palpation, percussion, and auscultation along with the addition of any special tests that are applicable. Depending upon design, other subcategories might be included (i.e. in the Upper Extremity section there would be subcategories of Shoulder, Elbow, Wrist, and Hand). If there are available videos that are recorded and uploaded on YouTube a link would be imbedded that would allow immediate access to them. This application could be thought of as an outline that is interactive and able to be used anywhere.

Conclusion

More specific design details and a specific inclusion of material will be available in the near future. A timeline for development, testing, and usage will be developed in the future, but the eventual goal is that by at the latest all Clinical Skills 1 material will be available via the application by late December 2016. A name for this application still has to be generated and agreed upon, but again this should be available in the near future.