

Nominal Use Scenario 1:

Jim, a high school basketball coach from the U.P., is concerned whether his players are at risk of ACL injury. His star player tore his ACL in the last game, and Jim wants to avoid a similar scenario with his other players. However, Jim has no idea how to assess risk of ACL injury.

So Jim starts doing research and discovers there are few professionals in the U.P. who can assess risk of ACL injury. Jim is at a loss, but then he discovers a web app called "ACL Risk Estimator". After reviewing the app, Jim is willing to try it out. First, Jim makes an account on the site. The site instructs Jim how to upload a video to the site. Jim asks one of his players to perform a drop test. Jim films the drop test on his phone and logs into the site. With an easy press of a button, Jim is able to upload the video he just took straight to the site, where a professional will now assess whether his players are at risk of ACL injury based on the drop test in the video.

A professional sees Jim's video and after watching the video determines the player in the video is at risk of ACL injury. The professional leaves a message on Jim's video describing what the player is doing wrong and recommends preventative measures to take. Jim is notified of the message and he proceeds to message back and forth with the professional to gain further knowledge on the topic. Jim now knows what preventative measures to take, and he is even confident he understands how to assess ACL injury risk himself. If he is ever unsure though, he knows he can always come back to ACL Risk Estimator and consult a professional directly.

Jim, extremely happy with the web app, recommends it to other coaches in the U.P. ACL Risk Estimator starts seeing more traffic, and even attracts scientists looking to research the effectiveness of the drop test. Overall, the app meets the expectations of everyone involved.

Nominal Use Scenario 2:

Joe, a medical professional in California, is sitting in his office with some free time on hand. Joe usually spends his time on medical health forums, answering questions for the public. One day, Joe is invited to try ACL Risk Estimator, a web app where medical professionals can review videos of athletes performing drop tests. Joe has experience with assessing ACL risk injury, and he is immediately intrigued by the app. Joe accepts the invite and creates his account. Joe, having been invited, is immediately certified as a medical professional on the site. Joe starts exploring videos and chooses one to review.

Joe reviews the video and determines the athlete is at no risk of injury. Joe sees he can leave a message and rate the drop test. Joe leaves a message, gives the video a rating, and moves on to review other videos. Eventually, Joe receives a notification a coach has seen his message and has responded, looking for further information. Joe wants to respond to the message, but is in the middle of reviewing another video. Joe notices he can tag videos so they show up on his homepage, making it easy to return to the video and message forum. Joe returns to the first video and responds to the coaches message. Joe recommends preventative measures to take. Joe is able to return quickly to the other video he was reviewing and continue helping others.

Joe eventually has to return to work, but he is satisfied he was able to help someone in his free time. Joe has email notifications set up so he can stay informed whenever a coach has questions. Joe is so impressed by the site, he starts informing other colleagues about the site. One such colleague is a scientist who he believes would find interest in the site for research. Overall, the site provided Joe a way to spend some free time helping people as he usually does, but opened up even more possibilities for others to learn and benefit.