



Analytics User Persona

Dr. Scott Niekum, 50 years old, is a computer science professor at the University Texas at Austin. He worked as a cybersecurity engineer at IBM for 12 years before working as a professor. He is really passionate about teaching security and has one of the best online lab portals. The portal is currently used by top computer science schools in Texas, Oklahoma and Arkansas.

He is really passionate about teaching security and wants to improve the experience of students using his lab services. He talks to the professors from other universities using his portal in his curriculum and keeps himself up to date with latest additions or changes to the existing labs. He is looking to incorporate data analytics means to the portal so that he could get better insights on how various labs are performing on the portal.



Content Creator User Persona

Dr. Valenti is a computer science Professor at West Virginia University. He has been a professor for 15 years and created most of his own content for courses he teaches. Dr. Valenti is passionate about wireless security and it has been the main focus of his research. Over the years Dr. Valenti has created several labs, so many that he is unable to assign all of them in one semester. Some of his student want to retry the labs and try some new ones over the summer. Dr. Valenti is eager to share all of his labs and he would like some feedback from his students too. Dr. Valenti would also like to know which labs the students are trying this summer, and he is hoping that they can do a pre and post assessment of their knowledge about the lab. Not only are students wanting to try these lab, but several colleagues from other universities have reached out to Dr. Valenti about using some of his labs and wanting to collaborate on new labs. Dr. Valenti is worried about emailing all the labs out because he won't know which student are completing them and if there is anything wrong with a lab he would have to email corrections out to everyone.



Student User Persona

Nick Bonavia is a Junior at Texas Christian University. He is majoring in Computer Science. Nick is a full-time student, works part time, and has a 45 minute commute. Nick is committed to learning as much as he can while at school and outside of school, to help him succeed in his career field. When He has time, Nick finds new labs with medium difficulty. Nick recently did a

lab on DLL Injections. Nick googles “DLL Injection Tutorial” to find a website with the information he is looking for. Nick leaves the first website that he visited, even though it had the info he was looking for, the website looked unprofessional. The second website Nick visited was “lacking info”. Nick continues to hop from website to website looking for one with a tutorial that is concise and has good info.



Professional Educator User Persona

44 year old Dr. Adve is a computer science professor at the university of Illinois Urbana Champaign. He worked in industry earlier in his career however he enjoys the research he is able to do and is passionate about teaching students computer science. He is usually in charge of teaching algorithms and intro to computer science however he is now going to be teaching computer and network security this upcoming semester. He is really passionate about security however he does not have enough knowledge to create exercises for his students. He talks to his peers frequently about education and is always on the lookout for new resources. He runs his class traditionally preferring to lecture rather than have in class integrated lab. He is worried that his current teaching methods will not serve his students well with a more hands on subject.



Admin User Persona

Liran Ma is a professor at Texas Christian University. He has been teaching at TCU since 2010 and has been teaching computer and network security and wireless networks and security since that time.

Teaches an average of 3 classes a semester. He is also the Undergraduate Advisor for Computer Information Technology Degree Program. His research field focuses on wireless networks, mobile health, systems security and data privacy, cloud computing, and Internet of Things. He has been published several times in the last 3 years. Liran's time for

administrative responsibilities for a website is limited and he will likely ask a student assistant to help out.