

Cybersecurity Toolkit Development Ideas

Kotaro Technology | 10.09.2021



● **Toolkits, Software Guides & News Articles**

Our highest priority addition will be in-site security toolkit overviews, software guides and news articles that make the website more of a hub than a collection of links.

● **Responsive Design**

With the prevalence of mobile phones in everyday lives it is also a high-priority for us to implement responsive design principles across the site to ensure it is easily accessible on any web-capable device.

● **Analytics Dashboard**

Given the large amount of data regarding public knowledge being collected by our quiz, we would like to go one step further and provide analytics tools to view and filter this data into meaningful statistics and graphs that could be used to influence future site content.

● **User Accounts**

Adding individual user accounts is also a high-priority task, as this allows us to store the knowledge level found from our on-boarding quiz and provide tailored content recommendations to suit a range of different users.

● **Administrator Controls**

Administrator controls will play an important role in ensuring that the website is easily maintainable into the future by providing the ability for software toolkit articles, guides, news articles and user accounts all to be managed within the app itself.

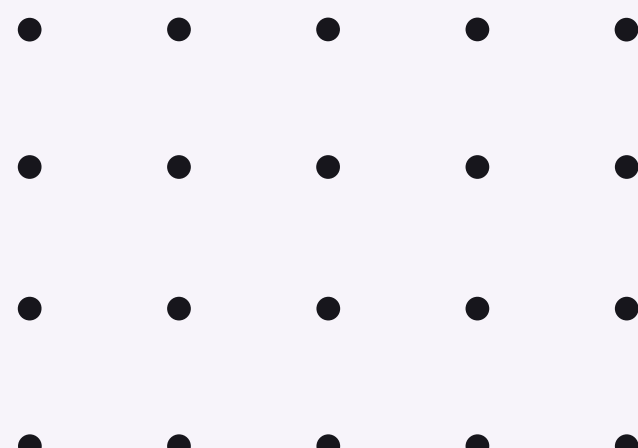
● **Contacts/FAQ Page**

Finally, we would like to remove the current 'About us' and 'Q and A' pages, and merge their content into a single 'Contacts' page that contains relevant cybersecurity contact information, a short blurb about the site itself and a FAQ.

Toolkits, Software Guides & News Articles

High Priority

- Current resources just link to external sites, such as [cybersecurity.gov.au](https://www.cybersecurity.gov.au)
- Would create a more complete and seamless experience if we could bring these resources onto our site
- Would also allow the QPS to directly manage this information, rather than relying on other public resources



About +	
Installation -	
Requirements	<ul style="list-style-type: none">- Operating System- Skill Level
Setup	<ul style="list-style-type: none">- Step by Step guide with clear explanation- Pictures included in necessary locations to make it easier- Assume they are a first timer or very new to technology
How to Use +	

Potential Toolkit Guide Design

User Accounts

High Priority

- Recommended resources are currently hidden behind a quiz that needs to be completed every time you visit the site
- The user experience and value provided by the site as a whole would improve dramatically if users were able to create an account that maintained their 'knowledge' level between sessions
- Also provides the means for better data analysis as for administrators (more on this on page 7)

The image displays two side-by-side form designs for user accounts. The left form is titled 'Login' and contains fields for 'Email' and 'Password', a 'Log In' button, and links for 'Forgot your password?' and 'No account? Create One'. The right form is titled 'Register' and contains fields for 'Full Name', 'Email', 'Post Code', 'Password', and 'Confirm Password', a 'Register' button, and a link for 'Already have an account? Log in'.

Login

Email

Password

[Log In](#)

[Forgot your password?](#)

No account? [Create One](#)

Register

Full Name

Email

Post Code

Password

Confirm Password

[Register](#)

Already have an account? [Log in](#)

Potential Register / Login Design



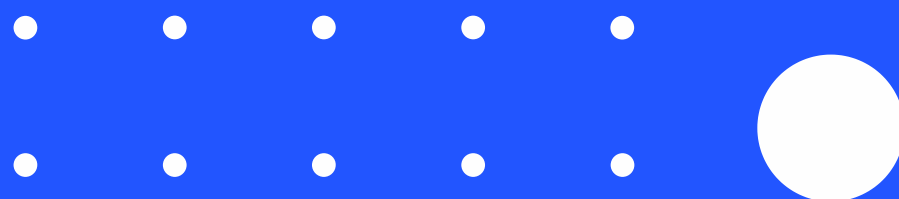
Responsive Design

High Priority

- Majority of website access worldwide now occurs from mobile or tablet devices
- Many people now function entirely from a phone or table, and have no need for a traditional personal computer
- Ensuring that our site is easily accessible and fully functional on these types of devices ensures that we are making our resource available to the widest range of potential users



Example News Feed With Responsive Design Principles Applied



Administrator Controls

Medium Priority

- Having in-site resources is especially useful for users, but management of this through a database, or through static website content is a hassle and makes site maintenance a chore
- Front-end administrator controls through an administrator dashboard will allow for all of the site's dynamic content to be created, edited and deleted from within the site itself, including:
 - On-boarding quiz questions
 - Toolkit overviews
 - Software guides
 - News articles
- Front-end administrator controls will also allow for the management of user accounts and account permissions

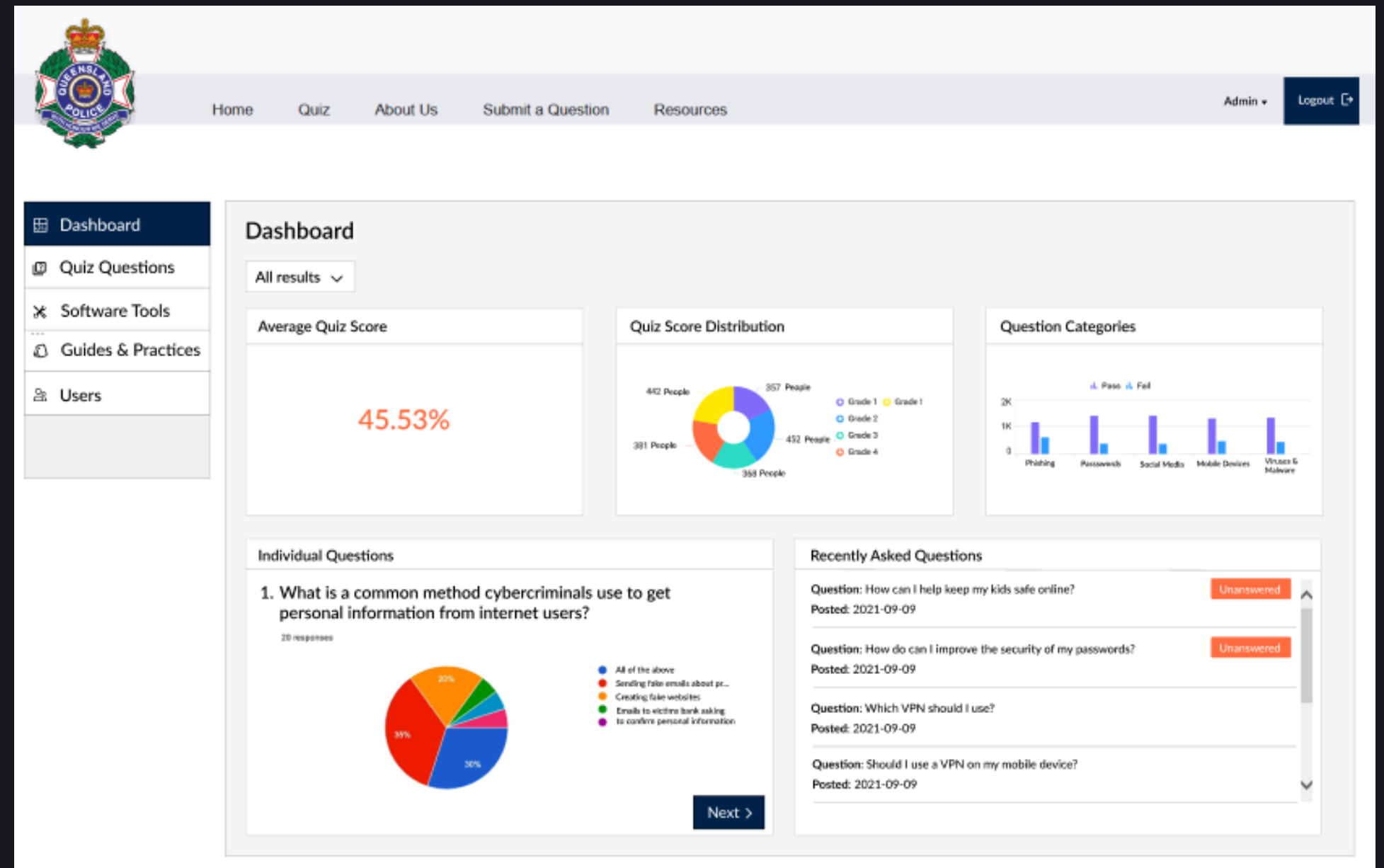
Category	Difficulty	Question	Correct Answer	Incorrect Answers	Actions
					✎ 🗑
					✎ 🗑
					✎ 🗑
					✎ 🗑
					✎ 🗑
					✎ 🗑
					✎ 🗑
					✎ 🗑
					✎ 🗑
					✎ 🗑

Potential Quiz Management Interface Design

Analytics Dashboard

Medium Priority

- The data collected as users fill out their quiz is a valuable source of information for site administrators
- The analytics dashboard will allow this data to be sorted based on particular demographics or quiz questions to discern the strengths and weaknesses of the site's different user groups and in turn influence what content is prioritised on the site in future

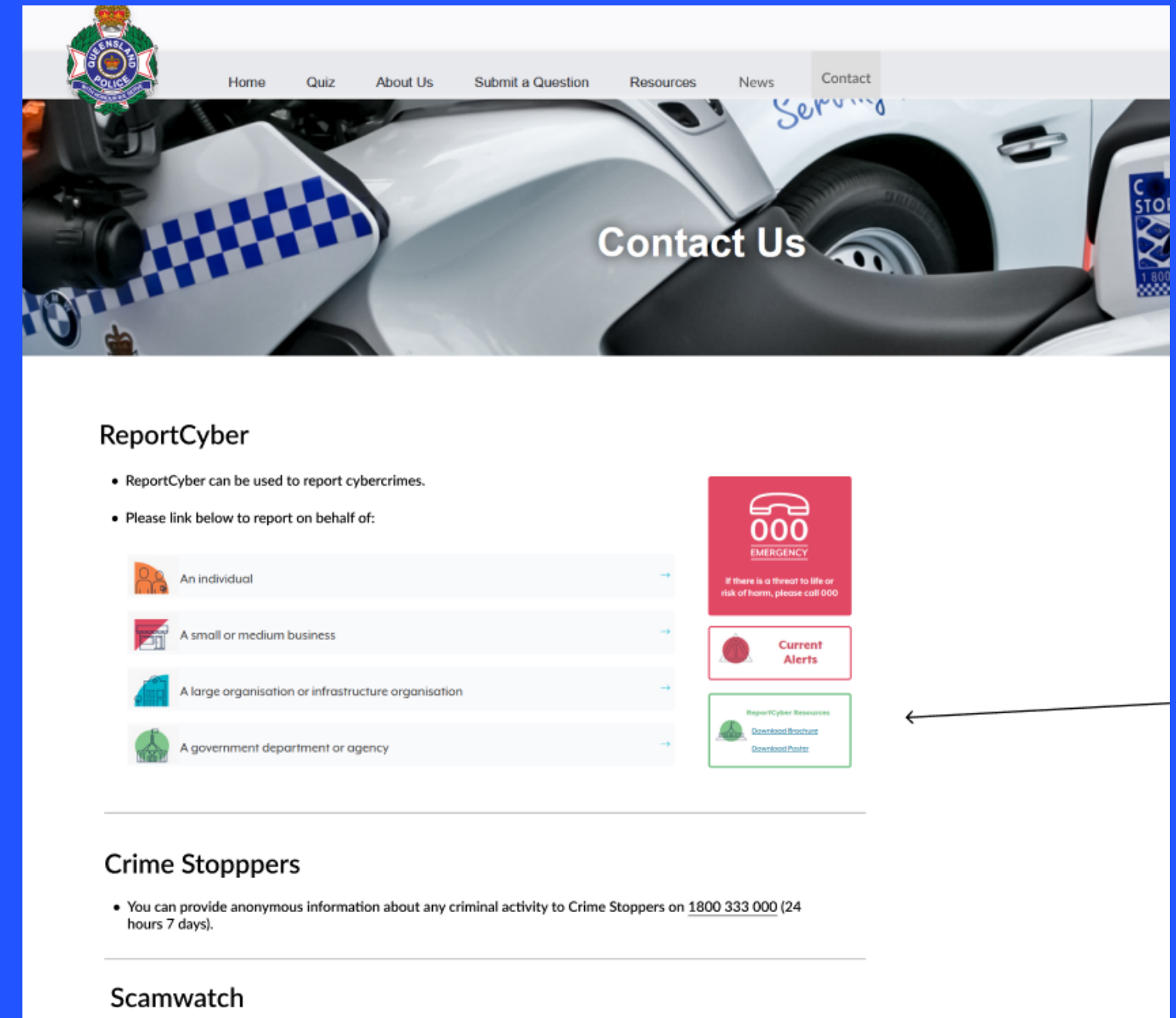


Potential Administrator Analytics Dashboard

Contacts/FAQ Page

Low Priority

- The current 'About Us' and 'Q and A' pages are quite underutilized and feel a little bit out of place
- Combining these two into a single page, and introducing an extra list of verified external resources and contacts would provide a much greater value to the user, and better suit the flow of the site
- The current Q and A model is very open to public input and could be troublesome without strict moderation, this could instead be converted to a 'Frequently asked questions' (FAQ) section, with an option for users to submit questions to administrators



Potential Contact Us Page Design

