Privacy Browser - Feature #145

Night Mode Rendering

06/09/2017 12:44 PM - Soren Stoutner

Status:	Closed		**Start date:**	06/09/2017
Priority:	Next Release		**Due date:**	
Assignee:	Soren Stoutner		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour

Description

Add an option to render websites in night mode. Lightning browser is able to do this using WebView, even though it apparently it is using non publically supported APIs. https://issuetracker.google.com/issues/36984660

History

#1 - 06/09/2017 12:54 PM - Brian Toole

I'm not quite sure how Lightning does this, but the source can be found here: https://github.com/anthonycr/Lightning-Browser

Another potential example would be one of the Facebook wrappers, as to my knowledge, they are just apps that render the web version of Facebook within Webview. A good example here would be MaterialFBook: https://github.com/ZeeRooo/MaterialFBook

Hermit Lite Apps also does this and gives the user options on color themes for night mode. This one is not open source, but it does have open source components - I'm not sure if the night mode rendering options are in the open or closed source parts, though: https://github.com/chimbori/lite-apps

#2 - 08/18/2017 08:18 AM - Brian Toole

There's another app I've discovered that has a great Night Mode rendering called FAQr: https://play.google.com/store/apps/details?id=com.faqr&hl=en. It's currently not open source, but I have reached out to the developer and he's said he's considered making it so. In addition, he was very responsive, so if you have questions about his implementation, it might be worth contacting him.

It does download pages locally, so that might be why it is able to render the night mode so smoothly, but I'm not sure.

#3 - 08/18/2017 08:28 AM - Soren Stoutner

Thanks for the information. I'll look into it.

#4 - 09/04/2017 04:22 PM - Soren Stoutner

MaterialFBook is altering the CSS of the website to match the color scheme. They are able to do this because they are only loading one website (Facebook) and thus can hardcode the CSS tags that need to be modified. This approach would not work for browsing the internet at large.

#5 - 09/09/2017 11:06 AM - Soren Stoutner

After playing with a number of settings, it is possible to tweak a small number of CSS settings that provide a nice Night Mode experience for almost all web pages. Doing so requires JavaScript to be enabled, because JavaScript is required to inject the CSS changes.

#6 - 09/13/2017 03:09 PM - Soren Stoutner

- Status changed from New to Closed

Implemented in https://git.stoutner.com/?p=PrivacyBrowser.git;a=commitdiff;h=8ca39b63e2d15fbb6828e255be4e0b5493c744ce.

#7 - 02/23/2018 12:37 PM - Soren Stoutner

- Priority changed from 3 to Next Release