

SitePassword Storyboard

This storyboard is for giving a demo of SitePassword, both the extension and the web page. It only covers the most important features. The rest are left for audience questions.

Setup

There are some things you need to do the first time you give this demo in a given browser session.

1. Install the SitePassword extension if you haven't already.
 - a. Downloads the src directory from <https://github.com/alanhkarp/SitePassword>.
 - b. Open a tab at <chrome://extensions>.
 - c. Click Developer mode.
 - d. Click Load unpacked.
 - e. Select the downloaded src director.
 - f. Accept any dialog boxes.
 - g. Click on the jigsaw piece in the row with the address bar.
 - h. Pin SitePassword.
2. Open a fresh Chrome browser window.
3. Open <chrome://bookmarks>.
4. Click on the bookmark folder SitePasswordData.
5. Scroll to the bottom of the list.
6. Navigate to <https://alantheguru.alanhkarp.com/>.
7. Open a new tab.
8. Navigate to <https://sitepassword.info/> in that tab.
9. Open a new tab.
10. Navigate to <https://allantheguru.alanhkarp.com/> in that tab. (Notice the double ell.)

Prepare for a New Demo

Things might not be in the correct state for the next demo after you finish giving one. These steps take care of that.

1. Open the tab for <https://alantheguru.alanhkarp.com/>.
 - a. Click SitePassword.
 - b. Clear the master password.
 - c. Clear the site name.
 - d. Mouse out of SitePassword.
 - e. Make sure the User name field on the page is blank and that the password field says *Click SitePassword*.
 - f. Reload the page.
 - g. Make sure the User name field on the page is blank and that the password field says *Click SitePassword*.
2. Open the sitepassword.info tab.
 - a. Reload the page.
 - b. Paste <https://alantheguru.alanhkarp.com/> into the domain name field.
 - c. Click the *Forget* button if the nickname and user name fields are filled in.
 - d. Reload the page.

3. Open the <https://allantheaguru.alanhkarp.com/> tab. (Notice the double ell.)
 - a. Reload the page.

Introduction

“Do you use a password manager?”

If the answer is no,

“You really should. They remember your passwords so you don’t have to.”

If the answer is yes,

“Good for you. I expect the one you use remembers your passwords for you, right?”

“SitePassword is different. Instead of remembering your passwords, it calculates them from a single master password and your nickname and user name for the site. That means you can get your password if you remember those three things.”

“SitePassword consists of two components, an extension for Chromium browsers and a web page. I’ll be showing you both.”

Extension Demo

1. Open the <https://alantheguru.alanhkarp.com/> tab.
2. **“The first time you come to a site after installing the SitePassword extension, you’ll see *Click SitePassword* in the password field.”**
3. Click on the SitePassword icon.
4. **“First, I’ll enter my very strong password, *qwerty* in this case. Notice that the site password keeps changing in an unpredictable way as I type.”**
5. **“Next, I’ll enter an easy to remember nickname for the site and my user name.”**
6. Enter *guru* for the site name and *alan* for the user name.
7. **“Notice that the site password starts with *to3X*. I’ll refer to that later in the demo.”**
8. **“When I mouse out of the popup, I see my username filled in and the password field says, *Click here for password*.”**
9. **“I click, and my password gets filled in. I’m now ready to finish logging in.”**
10. Reload the tab.
11. **“When I open the page again at a later time, all I need to do is click the password field to fill it in.”**
12. **“Once you’ve set up your sites, all you need to do is click on the password field. Even better, that will happen on any machine that you synchronize bookmarks with.”**

Webpage Demo

1. **“What if you’re on a machine that doesn’t have the extension installed, such as your mobile device?”**
2. Open the tab with sitepassword.info. All fields should be empty. If not, reload the page.
3. **“There’s a web page for that!”**

4. **"First, I'll enter *qwerty*, my very strong master password. As with the extension, the site password changes every time I type a character."**
5. **"Next, I'll paste in the URL of the login page."**
6. Open the <https://alantheguru.alanhkarp.com/> tab and copy the URL.
7. Return to the site password.info tab and paste the URL into the URL field.
8. **"Next, I'll fill in my nickname for the site and my user name."**
9. Enter *guru* for the site name and *alan* for the user name.
10. **"Notice that I get the same site password, the one starting with to3X. Just click the *Copy* icon, and paste your password into the web page."**
11. **"You can click the *Remember* button if you don't want to go through that the next time."**
12. Click the *Remember* button.
13. **"Let's see how that works."**
14. Clear the domain name, and tab out of the field. The nickname and user name fields clear.
15. Paste the URL from <https://alantheguru.alanhkarp.com/> into the domain name field.
16. **"Notice that your settings get filled in automatically. These settings are NOT synchronized with other machines."**
17. **"Next, I want to show how you can use the settings synchronized by the extension."**
18. Click the *Forget* button.
19. The domain name, nickname, and user name fields clear.
20. Paste the URL from <https://alantheguru.alanhkarp.com/> into the Domain name field.
21. **"You don't have to remember your nickname and user name If you're on a machine that synchronizes bookmarks with the one you used earlier for this site."**
 - a. Open the bookmarks tab.
 - b. Find the bookmark titled *alantheguru.alanhkarp.com*. It's likely to be near the bottom.
 - c. Right click on it and select *Copy*.
 - d. Paste into the SitePasswordData field immediately below the domain name.
22. **"Notice that your settings get filled in. This feature is really nice on a mobile device that doesn't allow browser extensions."**

Phishing Warning

1. Open the tab for <https://allantheguru.alanhkarp.com/>. (Notice the double ell.)
2. Reload the page.
3. **"There are times when people will try to trick you by sending an email with a link that looks like a website you want to login to. Say that you click on it. The first thing to notice is that your username isn't filled in even though you supposedly set up the site. 'Hmm,' you think. 'Maybe I didn't.' so you open SitePassword and enter your nickname."**
4. Click on the SitePassword icon and enter *guru* as the site name and tab out of the field.
5. **"See that big, scary warning. Did you notice that you set up alantheguru (one ell) and are at allantheguru (two ells)?"**
6. Click *Get me to safety!* You should be on your home page.
7. **"Of course, in this case you probably would have been safe because both pages are part of the alanhkarp.com domain. That's not unusual. A lot of sites have multiple login pages with different domain names. Just be careful before you click the *Trust me* button."**

Summary

“SitePassword puts you in control. Once you’ve filled in your master password all you need to remember is your nickname and your userid for the site. You can even print out your settings if you don’t want to remember even that. Then you only need to carry your master password in your head.

Any questions?”

Other Features

“SitePassword has several other features that I didn’t go into in this short demo. I can cover any that you’re interested in seeing.”

Changing a site password

1. **“Some sites make you change your password every so often. SitePassword makes that easy.”**
2. Open the <https://alantheguru.alanhkarp.com/> tab.
3. Click on the SitePassword icon.
4. **“All you have to do is change your nickname for the site.”**
5. Change the site name from *guru* to *guru2*.
6. **“Your new password is completely different from your old one.”**

Computing an acceptable password

1. **“Some sites have strict password rules, such as how many characters, how many numbers or upper/lower case letters, whether special characters are required and which one are allowed. SitePassword adapts to those rules.”**
2. Open the tab with sitepassword.info.
3. Click on the gear in the bottom right.
4. **“All you need to do is change the appropriate field.**
5. Click the *Allow special characters* box.
6. **“SitePassword even lets you specify which special characters are acceptable.”**
7. **“SitePassword has been tested on hundreds of web sites and has always been able to compute an acceptable password.”**
8. **“Note that you’ll have to remember any settings you changed if you want your password on a machine that doesn’t have the extension.”**

Downloading your settings

1. **“Some sites require special settings, such as how many upper case characters. You’re not likely to remember those changes, but you’re not out of luck.”**
2. Open the <https://alantheguru.alanhkarp.com/> tab.
3. Click on the SitePassword icon.
4. Click on the gear icon.

5. **"Just click on the *Download Site Data* button."**
6. Click the button.
7. Open a file explorer pointing to your *Downloads* folder.
8. Click on the *Date Modified* column so the most recent files are at the top.
9. **"You'll see a file with a strange name that you can rename."**
10. Select the most recent file, and change its name to *SitePasswordData.html* if needed.
11. Click through the dialog box.
12. Open the file.
13. **"Here are all your settings. Some of these settings have security value, but it is limited. You should protect this file, but your life isn't over if it gets leaked. A bad guy might learn where you have accounts but still has to guess you site or master password."**

Using with an app on a mobile device

1. **"Apps on your mobile devices don't have URLs to be pasted into the SitePassword web page, but you can compute your password without one."**
2. Open the tab with sitepassword.info.
3. Clear the domain name field.
4. **"You can compute your password without providing a domain name."**
5. Enter *qwerty* as the password, *guru* as the site name, and *alan* as the user id.
6. **"Notice that you get your password starting with to3X."**
7. **"You won't be able to save your settings until you provide a domain name, but you can make one up."**
8. Enter *https://myapp.com* in the domain name field.
9. Tab out and enter *guru* and *alan* again.
10. **"You can now remember these settings."**