

ScamSlam

*Scam detection software to keep you and your
information safe*



Group 3

Justin Pirman, Sam Hutcherson, Jose Becerril, Chase Wallendorff

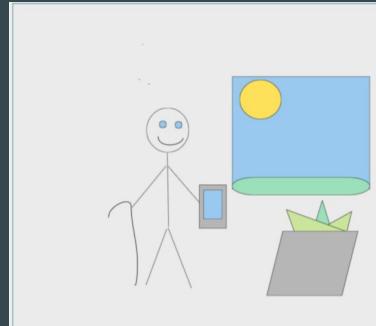
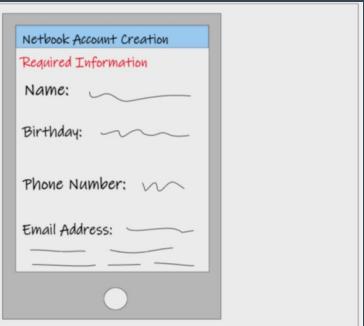
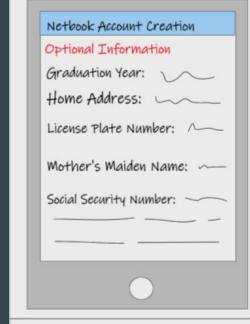
What is ScamSlam?

- A scam detection software that monitors your devices for any activity that might result in the user being scammed
- Helps make the user aware of scams, and suggests options to avoid them in the future



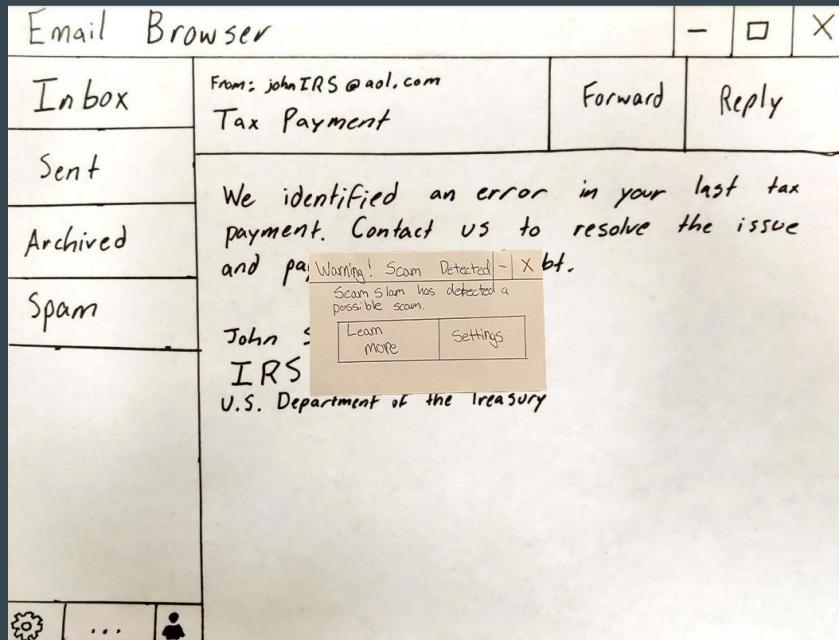
Task 1 - Keeping Private Information Private, FaceSpace

- Bob attempts to create an account on FaceSpace
- FaceSpace tries to ask for unnecessary information
- Our software detects it and warns him
- Bob's information is kept safe

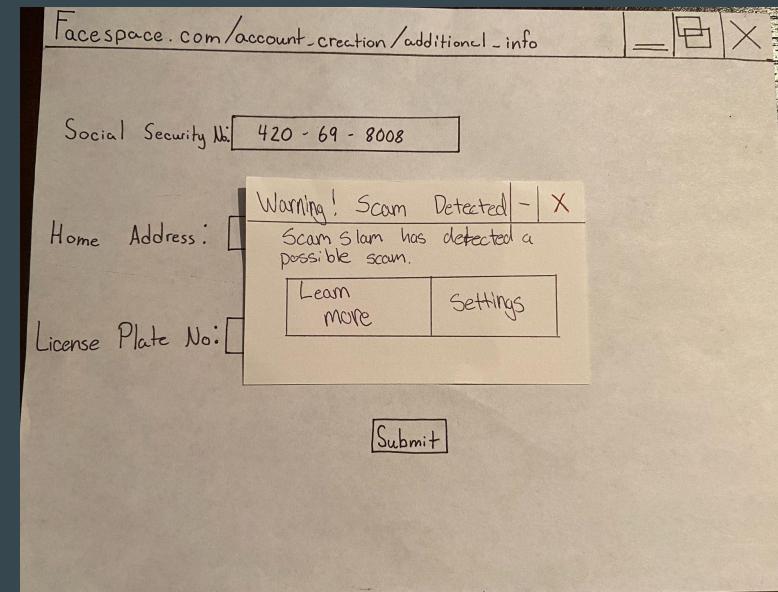
	<p>Bob, an elderly man who isn't that tech savvy, wants to set up a new Netbook account using his tablet</p>		<p>First, Bob fills in the info that is required in order for him to make an account</p>
	<p>Next, unassuming old Bob begins to fill in the optional information, too, since he wants his account to be nice and filled out</p>		<p>Our anti-scam software suite recognizes that the form is prompting the user for sensitive information, and lets the user know that it might be dangerous</p>

The Initial Paper Prototype

The Popups



Our warning on a suspicious email



Our warning on a suspicious website

The Main User Interface

Scam Slam		
History	Case #07 X	Info: User entered Soc.Sec. # Result: User ignored warning
Learn Ways to Protect Yourself	Date : 03/31/22 Time : 08:13:22 Location: Facebook.com (Chrome)	
Scam Detection	Setting change X	Date : 03/28/22 Time : 01:54:31 Setting changed: User disabled the popup blocker
Password Checker		
Pop-up Blocker	Case #06 X	Info: User tried to download ram from an untrusted source Result: User ignored the download link
Other Settings	Date : 03/21/22 Time: 14:05:29 Location: Downloadmotorram.com	
About	Case #05 X	Info: User opt a suspicious email and attempted to respond Result: User ignored warning
	Date : 02/22/22 Time: 12:00:01 Location: Email	

The History Tab

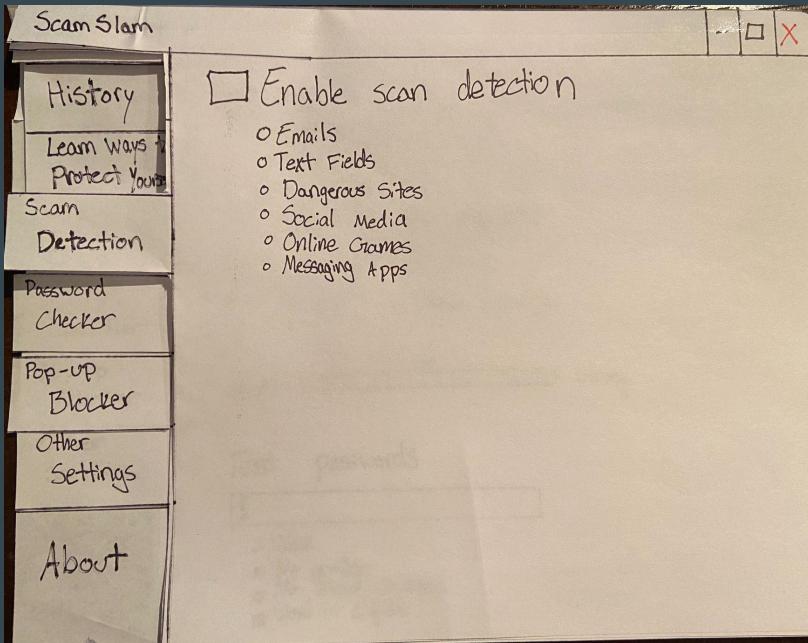
- shows a log of all instances of potential scams
- date, time, who/what/where?

Scam Slam		
History	Learn Ways to Protect Yourself	How to detect a scam <ul style="list-style-type: none">- Look for a false sense of urgency and authority- Find the official companies information and double check- Keep your private information private
Scam Detection	Setting change	Links to resources <ul style="list-style-type: none">https://www.scamwatch.gov.auhttps://consumer.ftc.gov
Password Checker		Videos to better understand scams
Pop-up Blocker		
Other Settings		Protect yourself from scams
About		

The Learn Ways to Protect Yourself Tab

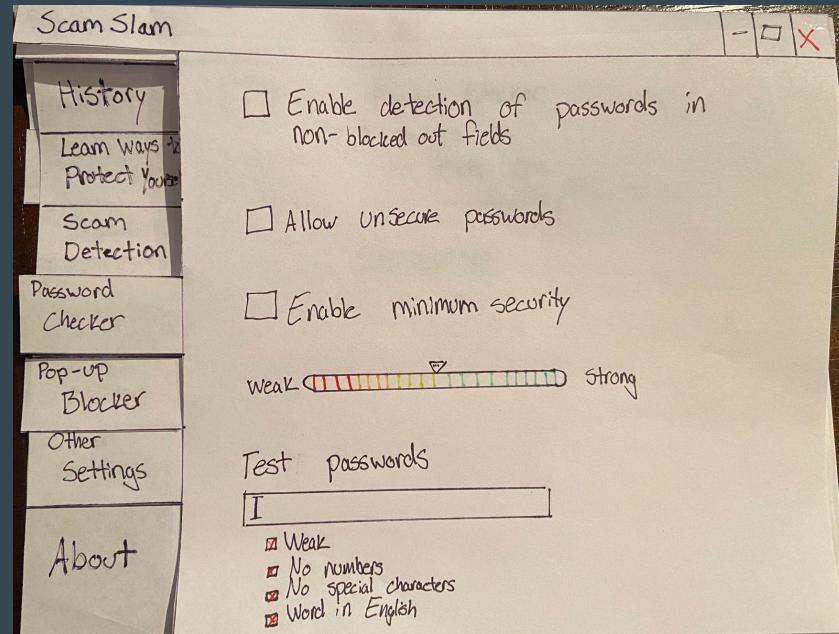
- videos/reading to educate users on how to recognize and avoid scams

The Main User Interface



The Scam Detection Tab

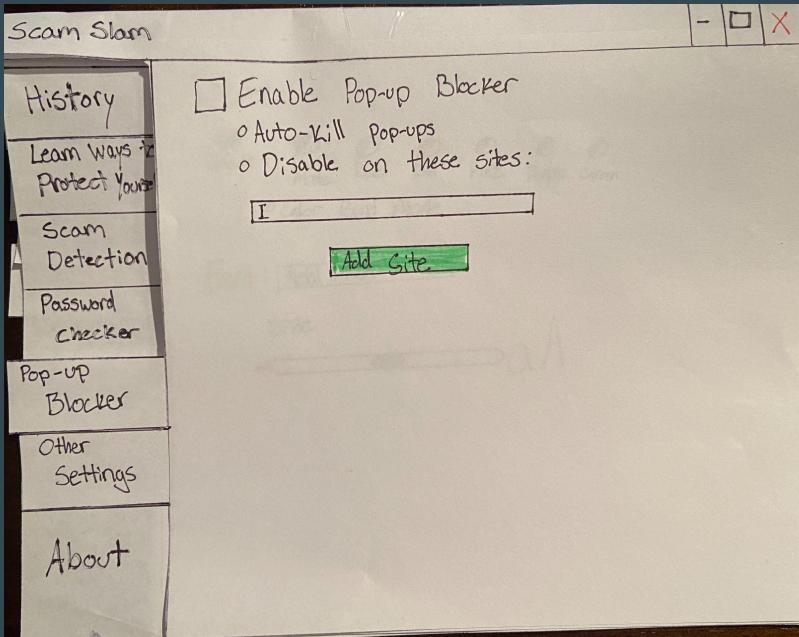
- Allows user to change scam detection settings
- Which things you would like us to monitor?



The Password Checker tab

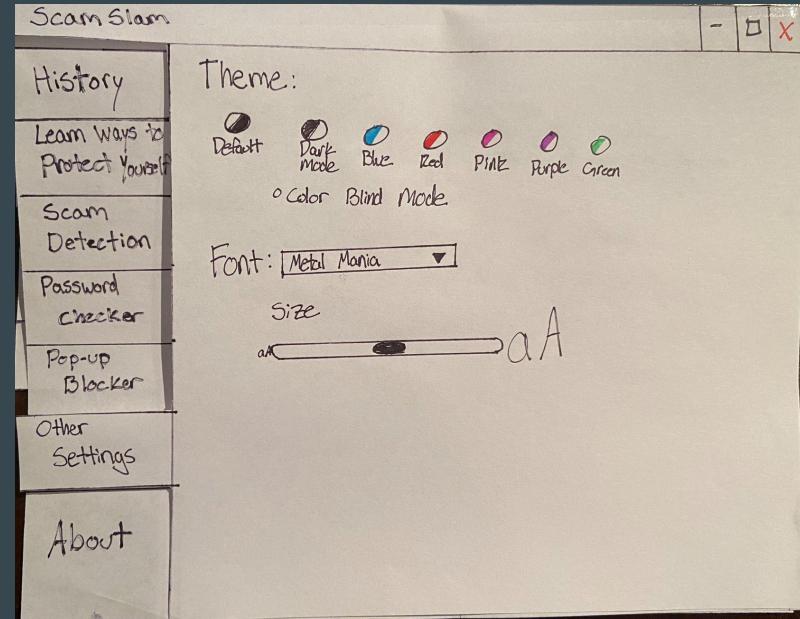
- Allows user to test passwords and enable minimum security

The Main User Interface



The Pop-up Blocker Tab

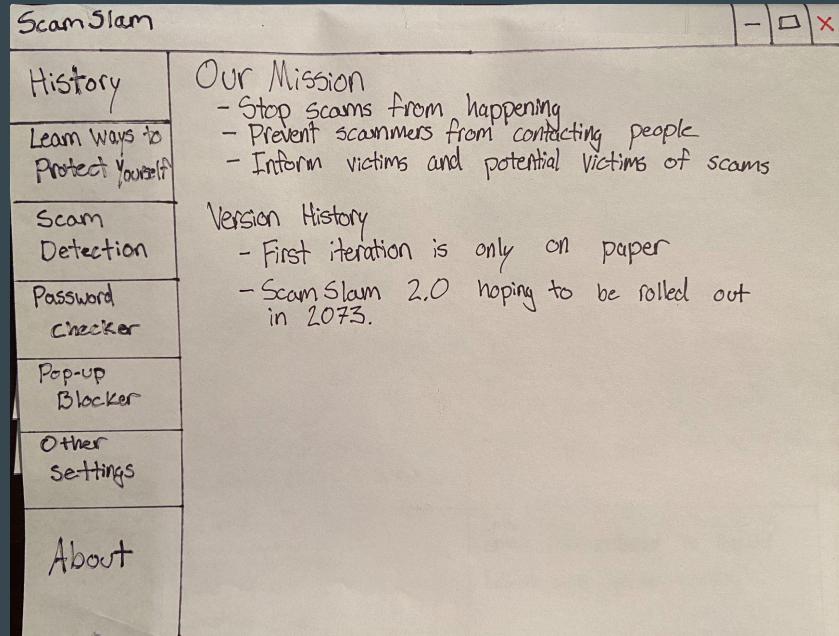
- users can enable/disable the popup blocker
- can enter sites/contacts to exempt from the blocker



The Other Settings Tab

- color themes
- font, font size

The Main User Interface



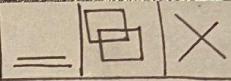
The About Tab

- Mission statement
- Version history

Testing Process

Task 1

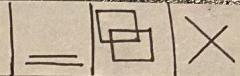
Facespace.com/account-creation/additional-info



Social Security No:

Home Address:

License Plate No:



Social Security No: 420 - 69 - 8008

Home Address:

Warning! Scam Detected - | X

Scam Slam has detected a possible scam.

[Learn more](#)

[Settings](#)

License Plate No:

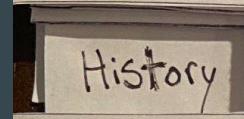
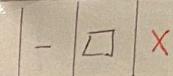
[Submit](#)

Scam Slam

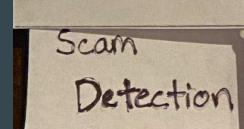
- □ X

History	Case #07 X	Info: User entered Soc.Sec. # Result: User ignored warning
Learn Ways to Protect Yourself	Date: 03/31/22 Time: 08:13:22 Location: Facebook.com (Chrome)	
Scam Detection	Setting change X	Date: 03/28/22 Time: 01:54:31 Setting changed: User disabled the popup blocker
Password Checker	Case #06 X	Info: User tried to download ram from an untrusted source Result: User ignored the download link
Pop-up Blocker	Date: 03/21/22 Time: 14:05:29 Location: Downloadmoreram.com	
Other Settings	Case #05 X	Info: User got a suspicious email and attempted to respond Result: User ignored warning
About	Date: 02/22/22 Time: 12:00:01 Location: Email	

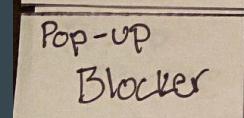
Scam Slam



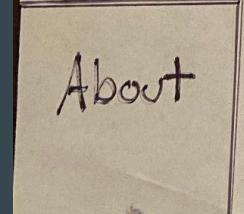
Learn ways to
Protect Yourself



Password
Checker



Other
Settings



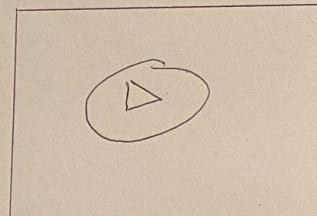
How to detect a scam

- Look for a false sense of urgency and authority
- Find the official companies information and double check
- keep your private information private

Links to resources

<https://www.Scamwatch.gov.au>
<https://Consumer.ftc.gov>

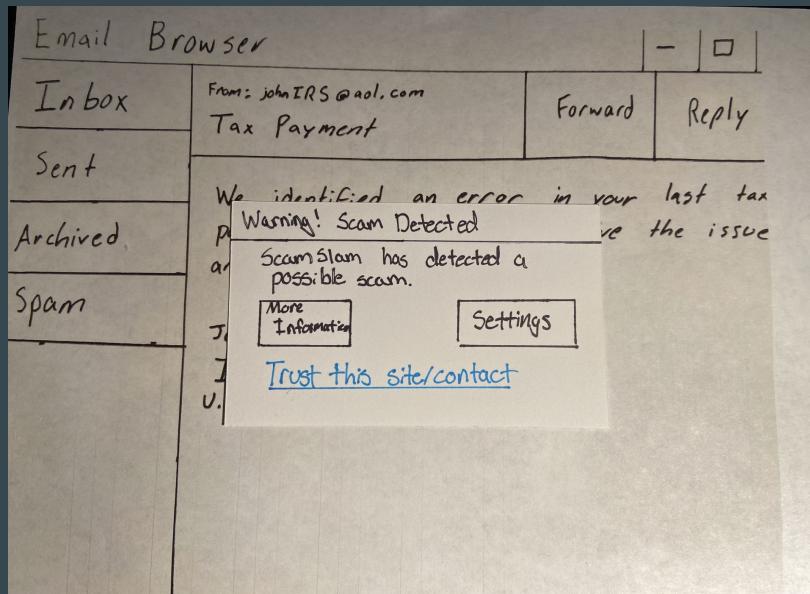
Videos to better understand scams



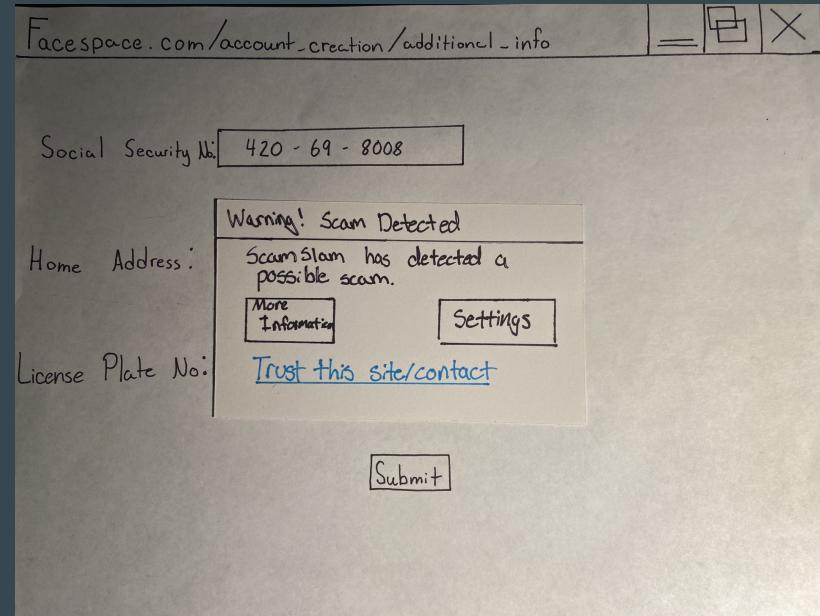
Protect yourself from scams

The Final Paper Prototype

The Main Popups

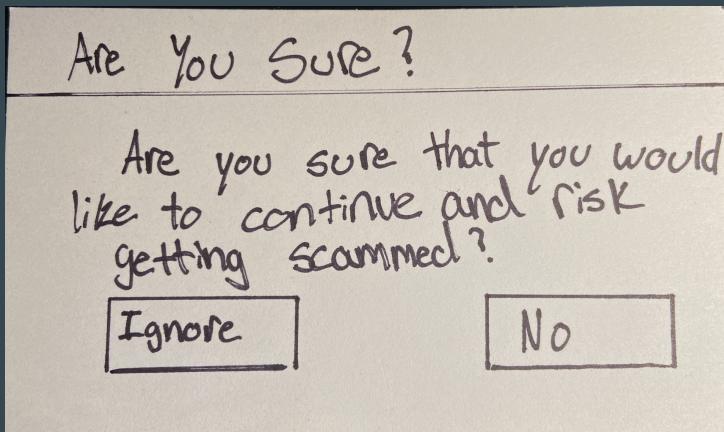


Our warning on a suspicious email



Our warning on a suspicious website

Other Warnings



A confirmation to close previous popup

- Checks to make sure user doesn't accidentally click out of warning message

A recommendation bar for trusted sites

- Gives the user other trusted options for them to click on.

The Main User Interface

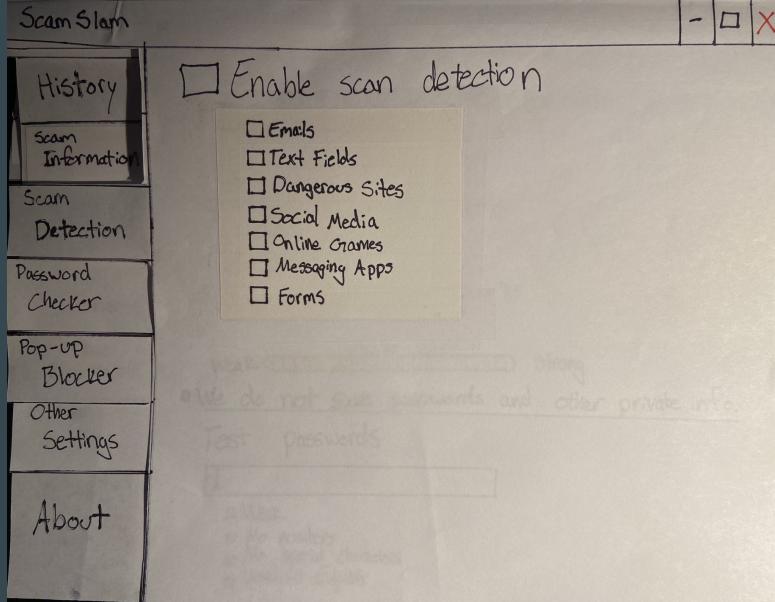
Scam Slam	
History	Case #07 Learn More
Scam Information	Date : 03/31/22 Time : 08:13:22 Location: Facebook.com (Chrome) Info: User entered Soc.Sec. # Result: User ignored warning
Scam Detection	Setting change Learn More Date: 03/28/22 Time: 01:54:31 Setting changed: User disabled the popup blocker
Password Checker	Case #06 Learn More Date: 03/21/22 Time: 14:05:29 Location: Downloadmoreram.com Info: User tried to download ram from an untrusted source Result: User ignored the download link
About	Case #05 Learn More Date: 02/22/22 Time: 12:00:01 Location: Email Info: User got a suspicious email and attempted to respond Result: User ignored warning

The History Tab

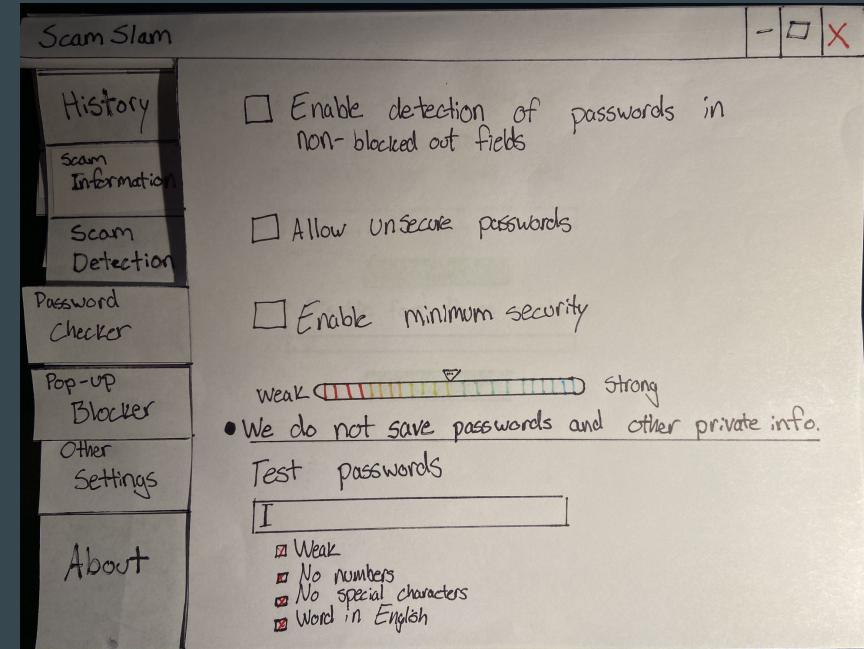
Scam Slam	
History	How to detect a scam - Look for a false sense of urgency and authority - Find the official companies information and double check - Keep your private information private
Scam Information	Links to resources https://www.scamwatch.gov.au https://consumer.ftc.gov
Scam Detection	Videos to better understand scams
Password Checker	
Pop-up Blocker	
Other Settings	
About	Protect yourself from scams

The Scam Information Tab

The Main User Interface

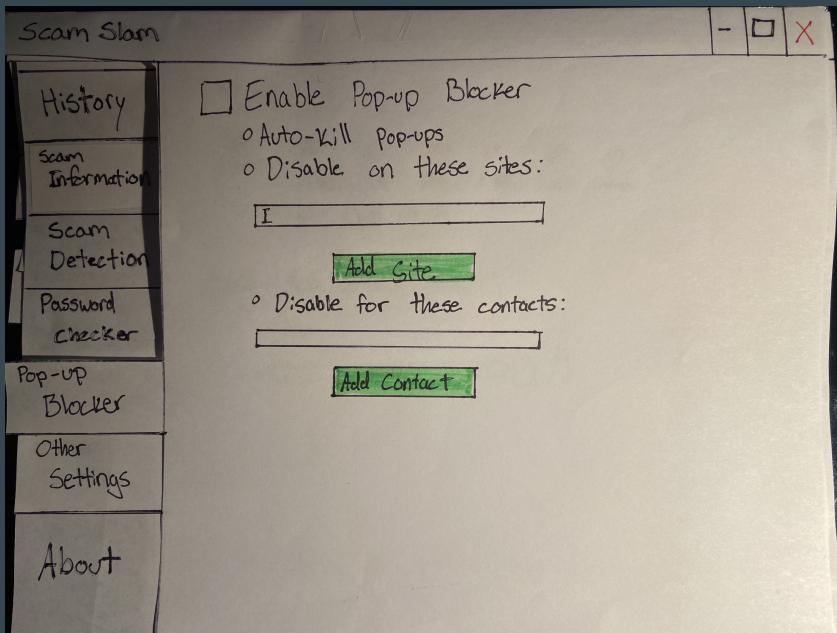


The Scam Detection Tab

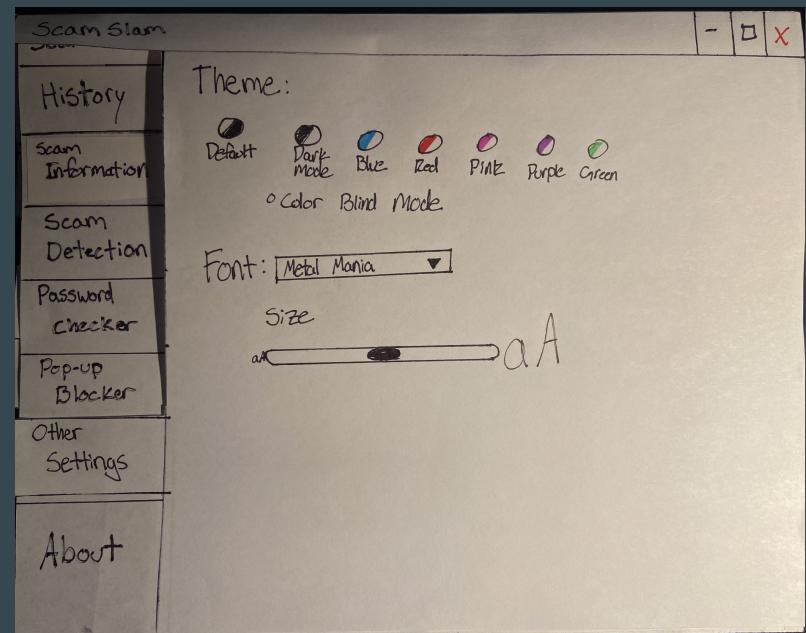


The Password Checker tab

The Main User Interface

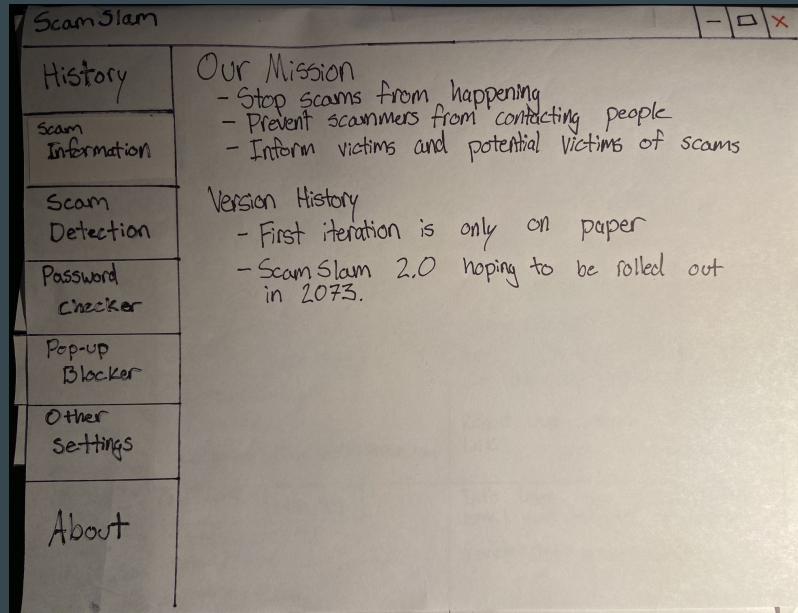


The Pop-up Blocker Tab



The Other Settings Tab

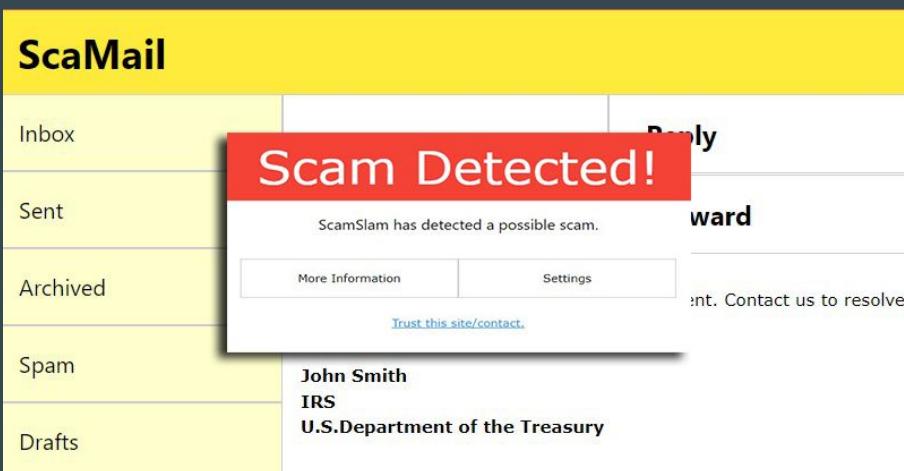
The Main User Interface



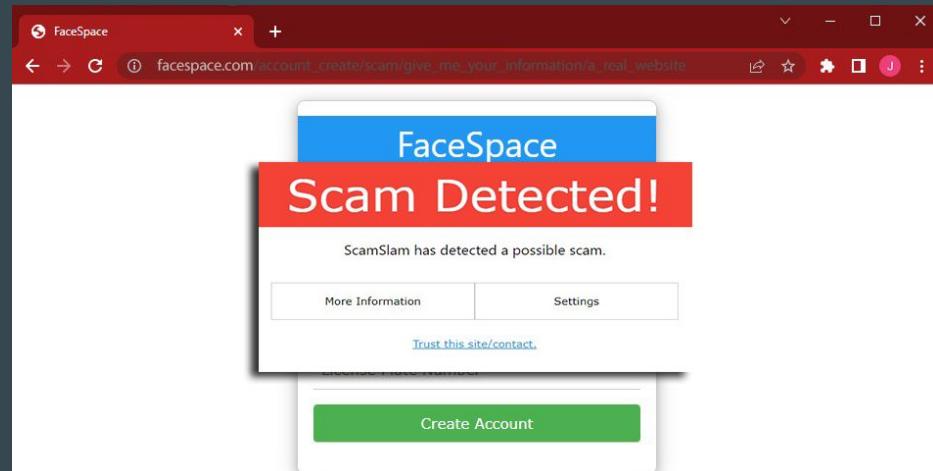
The About Tab

The Digital Mockup

The Main Popups



Our warning on a suspicious email



Our warning on a suspicious website

Other Warnings

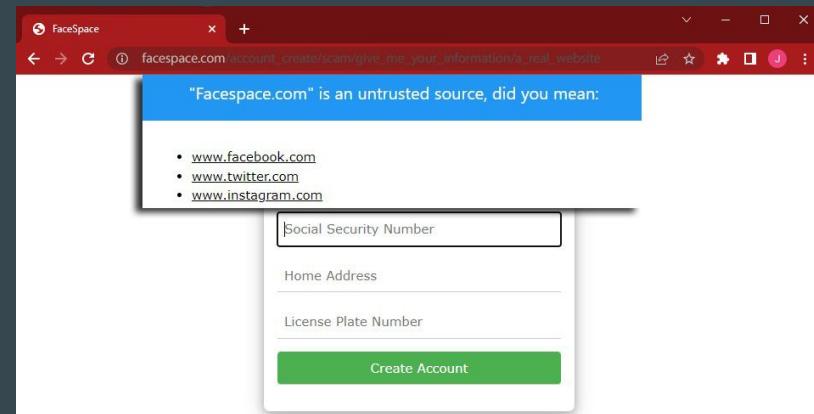
Are you sure?

Are you sure that you would like to continue and risk getting scammed?

Ignore warning, continue on site

Exit site, avoid possible scam

A confirmation to close previous
popup



A recommendation bar for trusted
sites

The Main User Interface

ScamSlam

History	Case #1: Date: 03/31/22 Time: 08:13:22 Location: Facespace.com Learn more	Info: User was prompted to enter social security number Result: User ignored warning
Scam Information		
Scam Detection	Case #2: Date: 03/28/22 Time: 01:54:31 Setting Changed: User disabled popup blocker Learn more	
Password Checker		
Pop-up Blocker		
Other Settings	Case #3: Date: 03/21/22 Time: 01:54:31 Location: downloadmoreram.com Learn more	
About	Case #4: Date: 02/22/22 Time: 12:00:01 Location: Email (johnIRS@aol.com) Learn more	

The History Tab

ScamSlam

History	How to detect a scam <ul style="list-style-type: none">• Look for a false sense of urgency and authority• Search for a company's official information and compare it with the message information• Keep your private information private (such as usernames, passwords, and personal information)
Scam Information	Links to some helpful resources ScamWatch ETC Consumer Advice
Scam Detection	Videos to better understand scams
Password Checker	
Pop-up Blocker	
Other Settings	
About	

The Scam Information Tab

The Main User Interface

ScamSlam

History

Scam Detection

ScamSlam allows users to decide which forms of media or communication are monitored for potential scams. Below, you can select which items you would like ScamSlam to monitor for you.

Text Fields:

- Basic Text Fields
- Emails
- Websites
- Messaging Apps
- Social Media
- Forms

Audial/Visual:

- Voice Activity
- Video Players
- Online Games

Scam Information

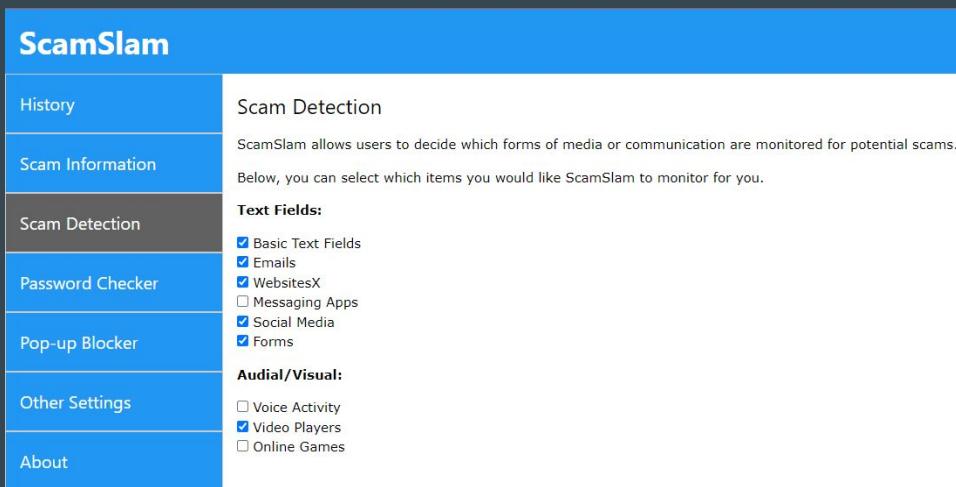
Scam Detection

Password Checker

Pop-up Blocker

Other Settings

About



The Scam Detection Tab

ScamSlam

History

Scam Information

Scam Detection

Password Checker

We do not save any passwords or private information

Test Passwords:

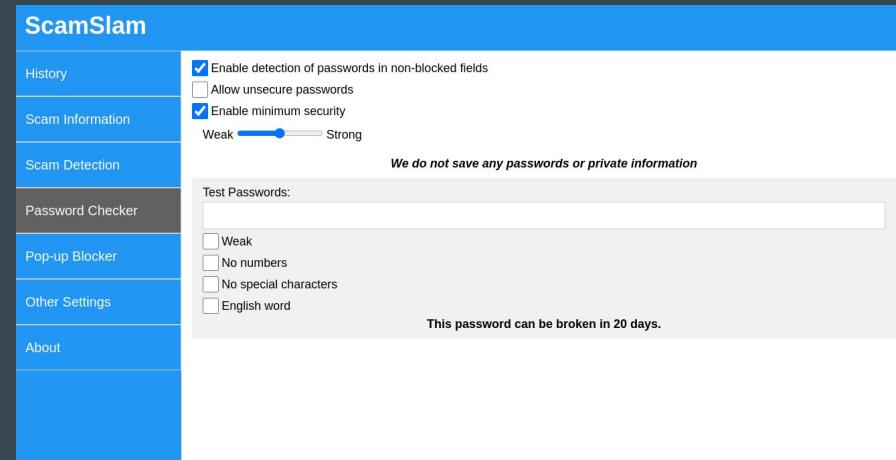
- Weak
- No numbers
- No special characters
- English word

This password can be broken in 20 days.

Pop-up Blocker

Other Settings

About



The Password Checker tab

The Main User Interface

ScamSlam

History	<input checked="" type="checkbox"/> Enable Popup Blocker
Scam Information	<input checked="" type="checkbox"/> Auto-kill pop-ups
Scam Detection	<input checked="" type="checkbox"/> Disable on these sites: <ul style="list-style-type: none">www.bb.siue.eduwww.google.com<input type="text"/> Add Site
Password Checker	<input checked="" type="checkbox"/> Disable for these contacts: <ul style="list-style-type: none">egulter@siue.edushutche@siue.edu<input type="text"/> Add Contact
Pop-up Blocker	
Other Settings	
About	

The Pop-up Blocker Tab

ScamSlam

History	Theme: <input type="radio"/> Default <input checked="" type="radio"/> Dark <input type="radio"/> Blue <input type="radio"/> Red <input type="radio"/> Pink <input type="radio"/> Purple <input type="radio"/> Green
Scam Information	<input type="checkbox"/> Color Blind Mode
Scam Detection	
Password Checker	Font: Metal Mania ▾
Pop-up Blocker	
Other Settings	Font Size: aA <input type="range"/> aA
About	

The Other Settings Tab

The Main User Interface

The screenshot shows a dark-themed user interface for 'ScamSlam'. At the top, there's a blue header bar with the 'ScamSlam' logo. Below it is a navigation menu with several tabs: History, Scam Information, Scam Detection, Password Checker, Pop-up Blocker, Other Settings, and About. The 'About' tab is currently active, indicated by a dark grey background. The main content area has a light blue background. It contains three sections: 'Our Mission' with a bulleted list, 'FAQ' with a list of questions and answers, and 'Version History' with two numbered sections: '1. Paper Prototype' and '2. Digital Mockup (HTML, baby!)'. Each section has its own list of bullet points.

Our Mission

- Stop scams from happening
- Inform victims and potential victims of scams

FAQ

- **Does ScamSlam sell my data?**
 - No, ScamSlam does not steal or sell any personal information about it's users.
 - All personal user data is stored locally and out of reach of ScamSlam employees.
- **Is ScamSlam better than alternatives like McAfee or Norton?**
 - Absolutely yes, hands down, no contest.
 - What kind of question is that?

Version History

2. Digital Mockup (HTML, baby!)
 - Release Date: 04/17/2022
 - A digital visual imitation of the 'ScamSlam' software.
 - Strictly a visual imitation of the software, with no real implementation or functionality.
 - Looks fire, no cap.
 - Bonus points for the amazing design?
1. Paper Prototype
 - Release Date: 04/01/2022
 - Fully functional paper prototypical concept of the 'ScamSlam' software.
 - Notably had some bugs (features) discovered in usability testing, but was charming and functional.
 - Won the "CS321 Paper Prototype of the Year" award.

The About Tab

Summary of Testing

- Some of the buttons didn't have clear signifiers
 - Fixed in the final paper prototype, not an issue in the digital mockup
- Was too easy to close pop-up
 - Added the “are you sure?” popup to fix
- Some of the pop-up links and buttons were confusing/misleading
 - Fixed in the final paper prototype, not an issue in the digital mockup
- The most important thing was the pop-up itself, while the UI was secondary
 - All of the settings menus were secondary, the main point of interaction between the system and the user is the warning popup

Questions?



Contributions

Justin Pirman - 25%, Imported the pictures and sorted them into the slides.

Sam Hutcherson - 25%, Came up with the formatting of the presentation and helped condense it to fit the limit.

Jose Becerril - 25%, Presented half of the slides and worked on sorting them into a presentable.

Chase Wallendorff - 25% Presented the other half of the slides and worked on importing the pictures needed.