

Stegasaurus Progress Report

Iteration 1 User Stories

- *As a User, I want to be able to follow a link that takes me to a main page with meaningful context.*
- ◆ As a User, I want to see that the website is for steganography processing with a welcome title and description.
 - COMPLETE
 - ◆ As a User, I need a place to enter my login information (username and password) and a button to press that brings me to my user profile.
 - COMPLETE
 - ◆ As a User, I need a button to enter my login information to create a new account.
 - COMPLETE
 - ◆ As a User, I want a registration page to enter my account information so I may have login information.
 - COMPLETE

As a user, I want to upload my carrier image, and my files to be hidden in the image, to the application.

- ◆ As a User, I want to have a button on my user profile that takes me to an uploading page to upload my images.
 - INCOMPLETE
- ◆ As a User, I want an upload page that has the option to upload two images: the carrier image and the hidden message image.
 - I want to have a textbox to input a filename to store the input images and the output image.
 - INCOMPLETE
- ◆ As a User, I want a button to press that will start the image processing. This button may become selectable only after I have uploaded two appropriate images.
 - INCOMPLETE
- ◆ As a User, I need to be notified if the format of the images I have uploaded are not appropriate via an error message.
 - INCOMPLETE

As a user, I want to have the functionality of a least significant bit image processing encryption.

- ◆ As a User, once I submit my images I want to know that the image will be processed with this LSB method.
 - COMPLETE

As a user, I want to see the results of my encrypted message if image processing was successful, and an error message if it was not successful.

- ◆ As a User, once I press the processing button I want to see a loading page while the image processing is being executed.
 - INCOMPLETE
- ◆ As a User, I need to be notified of the success or failure of the process.
 - After the loading page, I want to see my user profile.
 - If the processing was a success, I want to see a pop-up confirming the success over the user profile page.
 - I want to be able to close this pop-up.
 - I want to see a folder with the filename specified on the upload page.
 - If the processing was a failure, I want to see a pop-up confirming the failure over the user profile page.
 - I want to be able to close this pop-up.
 - INCOMPLETE
- ◆ As a User, I want my successful processing image folder to be saved automatically to my user profile.
 - I want the ability to delete this folder and any of its contents.
 - INCOMPLETE
- As a user, I want to be able to access my steganographic images at any time.
- ◆ As a user, I want to see my saved image processing folders on my user profile.
 - INCOMPLETE
- ◆ As a user, I want the ability to view the folder contents by selecting the folder.
 - I want to see the three images labelled as 'carrier_image_filename', 'hidden_message_image_filename', and 'lsb_processed_image_filename' where filename is the name of the folder.
 - I want to be able to delete the folder and all of its contents.
 - I want to be able to delete individual images in the folder. This does allow me to have an empty folder that can notify me via dotted outlines or a grayed out design on the folder in the user profile.
 - INCOMPLETE

Team Workloads and Divisions

The work assignments for our team members are divided based on high-level components to emphasize each member's skillsets and specializations. This division of labor allows members to work in their teams and also to work with specific members outside of their teams on common functionality. These components consist of a Project Manager, Application developers, client-side designers and developers, and server-side designers and developers.

Project Manager

The project manager's role is to design the application specifications as well as document them. Any changes that are discussed and changed among members of other components must be communicated to the project manager. The project manager also acts as a quality control analyst, whose role is to write unit test cases and automated testing scripts to test the application's functionality. The project manager is Jennifer Yarboro and she communicates with the leaders of the application team (Duncan Fisher), the client-side team (Deborah Venuti), and the server-side team (Gene Ryaninsky) to ensure the user stories and specifications are being met.

Application Developers

The application developer's role is to design and implement prototype code for specific functionality of the application. In this case, the developers are concerned with implementing a least significant bit steganography processing application and incorporating it into the web application. The application developers are Duncan Fisher and Katie Brodhead, who meet together to work on the prototype code. Duncan Fisher communicates directly with Jennifer Yarboro, Deborah Venuti and Gene Ryaninsky to make sure the prototype meets specifications and runs efficiently within the web application.

Client-side Developers

The developer's role is to design and implement client-side code so that the user may navigate the application. The developers create a front-end web application that accesses database information for the user profile. The team consists of Deborah Venuti and Bethany Sanders. The leader, Deborah, communicates with Jennifer, Duncan, and Gene to ensure that the client-side code is compatible with the server-side code and prototype code as well as meeting application specifications.

Server-side Developers

The developer's role is to design a web framework that supports the application specifications defined by the project manager. Gene Ryaninsky acts as the team leader who communicates to the project manager any changes that need to be made to the specifications. Alex Sumner's role is to specifically develop the relational database

supporting persistent data, including administration logins, user logins, user images, and user info. James Riley's role is to develop a clean URL dispatcher scheme, and will be working directly with Deborah to meet these project specifications.

Individual Contributions

Duncan: stega.py

Katie: stega.py

Deborah: manage.py, admin.py, forms.py, models.py, urls.py, views.py

James: urls.py, views.py

Bethany: views.py

Jennifer: tests.py

Gene: models.py, views.py, __init__.py, settings.py, urls.py, wsgi.py































Design Changes































In our first iteration, we did not make any major design changes as we only implemented one user story. We have completed the log-in and registration functionality and the skeleton frame for an about page, a home-page, an encrypt page, and a profile page. The prototype team has decided to not use OpenCV and instead will use Pillow for image processing. The prototype team has also be converted their original .cpp prototype code to Python, with which Pillow and Django are much more compatible with. As there has only been one user story implemented so far, completing a discrete cosine transform image processing prototype is unlikely and we will revise the scope of iteration two at our next meeting.



















Wiki Page History













History



















New Page










Revisions				Compare Revisions
<input type="checkbox"/>	 Jennifer1114	Updated Sprint Backlog (markdown)	an hour ago	46a48e9
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Git Log (most recent first)

commit 2a28d5e73f699f2f7552ae4c208f7ea410f4e6ce
Merge: f7ffdf9 fc0ef89
Author: Deborah Venuti <deborahvenuti93@gmail.com>
Date: Mon Oct 17 16:46:23 2016 -0400

Merge pull request #2 from dfish13/server2

Merge Server branch into Master - Now using Postgresql

commit fc0ef89131f2701d961c315d2ca780213b6abf67
Author: generyas <generyas@gmail.com>
Date: Mon Oct 17 15:44:29 2016 -0400

Initial branch

commit f7ffdf9ab4b13032bf074be7b94c7328ee4cf8e0
Merge: e8e0635 af05a4a
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Mon Oct 17 11:47:41 2016 -0400

Merge branch 'site-dev'

commit af05a4a4f668ae5a9959014d833df0afe682e327
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Mon Oct 17 11:47:25 2016 -0400

fixed redirect for incorrect login - will soon add incorrect login message

commit e8e06356b283e14d3b5723956cd1658bb8710dd0
Merge: 284b42f 15e52b9
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Mon Oct 17 11:20:28 2016 -0400

Merge branch 'site-dev'

commit 15e52b94d5889ff9d4a58edd8e2f91cb2b6d6f9d
Author: Deborah Venuti <dvenuti@timmy.local>
Date: Mon Oct 17 03:04:03 2016 -0400

Toggle nav bars when users are logged in or logged out and added logged in user account dropdown

commit 3fa61b477feb85cf34461af9b32437f44a776bdc
Author: Deborah Venuti <dvenuti@timmy.local>
Date: Sun Oct 16 16:55:37 2016 -0400

update file updated info

commit 284b42f8da718caabf2d64d714af237deb75de52
Merge: 56f338c 4a80902

Author: Deborah Venuti <dvenuti@timmy.local>
Date: Sun Oct 16 16:43:12 2016 -0400

Merge branch 'site-dev'

commit 4a8090298a4d1e0e84a8d103d8ed3f0414288979
Author: Deborah Venuti <dvenuti@timmy.local>
Date: Sun Oct 16 16:35:56 2016 -0400

User registration updated to also store first and last name

commit fce59ac882b16590286f61315b6647cb0e4ed487
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sun Oct 16 12:22:55 2016 -0400

slight color changes to theme

commit 56f338cedcd338c2821e737c2bb3fdb9fb4baa97
Merge: 024929d 6af5368
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sun Oct 16 12:08:11 2016 -0400

Merge branch 'site-dev'

commit 6af5368ebc11ff9083433526bdeac22f6ca66ac7
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sun Oct 16 12:07:30 2016 -0400

new CSS theme

commit e75024aa3672d9314c0552ec53ac8879b4282050
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sun Oct 16 10:14:47 2016 -0400

removed user_id, models come with autoincrementing id by default

commit 024929dc45eb791d6696fc1ab132a8ba8ae3d243
Merge: fac35e5 1926fc0
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sat Oct 15 17:57:43 2016 -0400

Merge branch 'site-dev'

commit 1926fc0d54d58959cba95b6b674e8e224cadd150
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sat Oct 15 17:57:15 2016 -0400

added authors to files

commit fac35e58e5ee837c13a7f0f48a5f129a1eac89c3
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sat Oct 15 17:42:41 2016 -0400

update readme

commit eabc198e210d88f68df871623912998404576228
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sat Oct 15 17:40:34 2016 -0400

update readme

commit ca7619d473417e6752f4b63ad36b23d0e03c67c7
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sat Oct 15 16:41:25 2016 -0400

update titles

commit 84c35cc548edade872478a364a23c1b94bc36886
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sat Oct 15 15:30:20 2016 -0400

Add User model

commit dc173ce372e5646db5e7bb84e4b6666ba477dea4
Author: Deborah Venuti <dvenuti@wc-dhcp255d056.student-secure.wireless.fsu.edu>
Date: Sat Oct 15 15:08:35 2016 -0400

Adjust Forms

commit e3e3a9ac01f9b6a17ec502e3292e00a9880bb6f7
Author: Deborah Venuti <dvenuti@timmy.local>
Date: Sat Oct 15 14:29:02 2016 -0400

Added Django Forms

commit ab10da77b00305b56cab59dacc5e5fde9446b6e
Author: Deborah Venuti <dvenuti@timmy.local>
Date: Sat Oct 15 13:39:22 2016 -0400

Initial site push

commit 750540f324cef2181cc9753e8b726877e08c19d4
Merge: def8f2c 2d83427
Author: dfish13 <fisherduncan13@yahoo.com>
Date: Mon Oct 10 15:10:16 2016 -0400

Merge pull request #1 from dfish13/image-injection

image injection

commit 2d83427bdc46dc94898af7f5e43362f3164c7aae
Author: dfish13 <fisherduncan13@yahoo.com>
Date: Mon Oct 10 15:01:23 2016 -0400

Add files via upload

commit def8f2c43e1042925887f6ad7c06856518b77995
Author: dfish13 <fisherduncan13@yahoo.com>

Date: Mon Oct 10 00:24:25 2016 -0400

prototype

main program that injects or extracts Ascii text from an image

commit 4cc629a9db519a42581def739136455cf8264703

Author: dfish13 <fisherduncan13@yahoo.com>

Date: Mon Oct 10 00:19:44 2016 -0400

Initial commit