

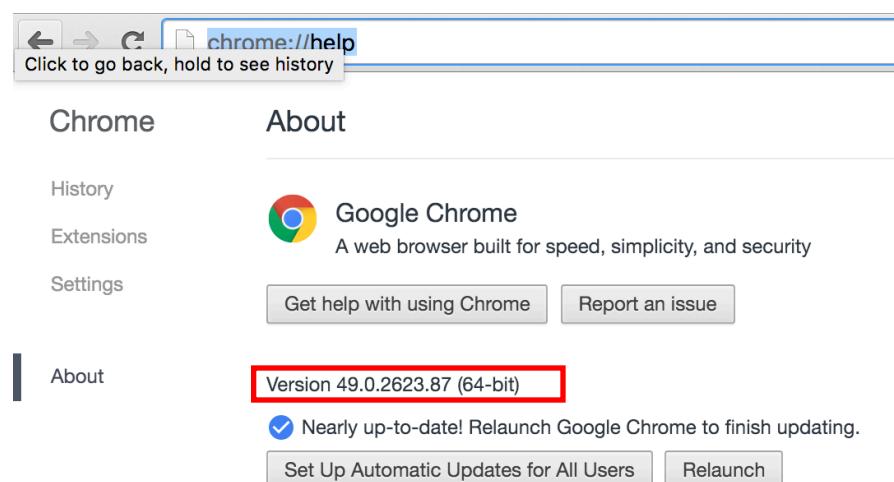
# IDForWeb User Testing Instructions (Web)

Georgia Tech Institute of Information Security and Privacy

GT-IISP

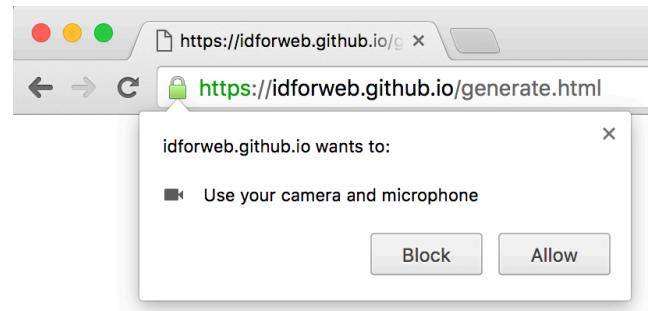
# Web-app Prerequisites

- Use the latest version of Google Chrome
  - Download from the following link
    - <https://www.google.com/chrome/browser/desktop/index.html>
    - Check the version is over 49
      - Type chrome://help at the address bar



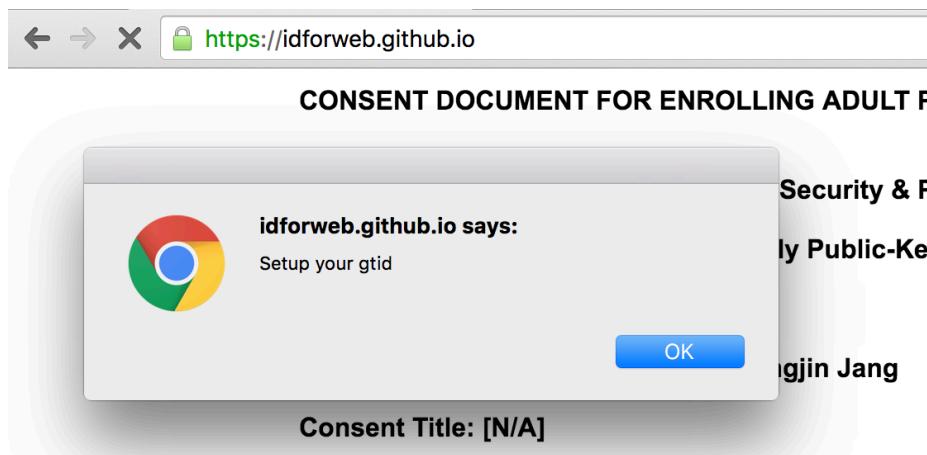
# Web-app Prerequisites

- Have web-cam and microphone equipped with the computer
  - Most of laptops will have such setup.
  - Make sure you allow access to MIC and CAM to the browser, by clicking 'Allow' if following pop-up is displayed.



# Testing Setup (One-time)

- Connect to the following URL
  - <https://idforweb.github.io>
- At the first time, you are asked to setup the app with your GTID



# Testing Setup (One-time)

- Type GTID, and click UPDATE to store your GTID
  - Make sure your GTID is shown at the top.
  - It must be a 9 digit (only digits are allow) number

The screenshot shows a web browser window with the URL <https://idforweb.github.io/settings.html>. The page displays the message "Your GTID is 902757134". Below this, there is an input field containing "902757134" and a blue "Update" button. At the bottom left is a "Back to main" link.

- Click Back to main to continue

The screenshot shows a web browser window with the URL <https://idforweb.github.io/settings.html>. The page displays the message "Your GTID is 902757134". Below this, there is an input field containing "902757134" and a blue "Update" button. The "Back to main" link is now highlighted in blue, indicating it is the active button.

# Consent Form

- As a first step, we get approval of consent from from the participants.
  - Let them read through the article, and click 'Agree' if they agree to the contents.
  - You should only proceed the user testing only if the participants voluntarily agreed to this consent form.

CONSENT DOCUMENT FOR ENROLLING ADULT PARTICIPANTS IN A RESEARCH STUDY

Georgia Tech Institute for Information Security & Privacy  
Project Title: IDForWeb: a User-Friendly Public-Key Framework for the Masses (Student Project)  
Principal Investigators: Wenke Lee  
Co-Investigators: Pak Ho Chung, Yeongjin Jang  
Consent Title: [N/A]

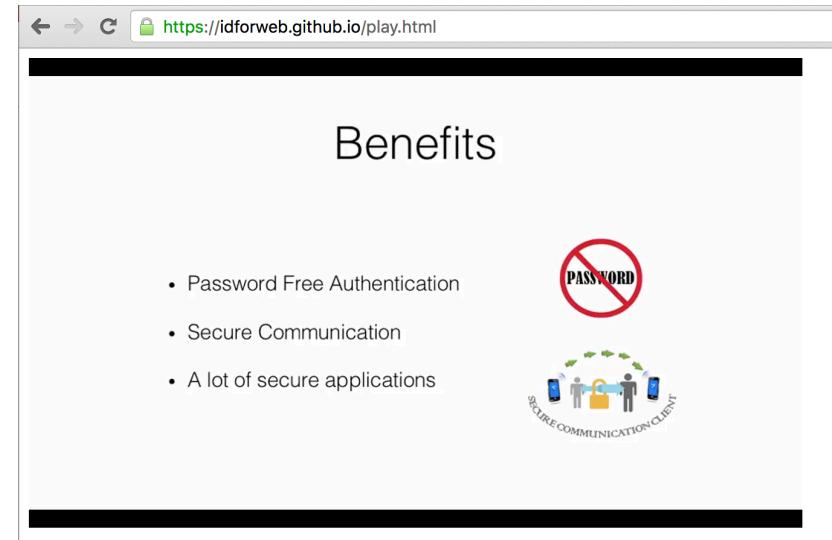
If you clicked agree button below on web registration form to sign up for this research study, it means that you have read -- or have had read to you -- the information contained in this letter and would like to be a volunteer in this research study.

Thank you.

Agree

# Introductory Video

- A 6 minute video that introduces IDForWeb will be played. Please let participants watch the video, to have knowledge what IDForWeb is, and which kind of problem it tackles.
- After the video is finished, the screen will automatically move to the menu.
  - If not, please use the following URL
    - <https://idforweb.github.io/stage2.html>



# Testing Menu

<http://idforweb.github.io/stage2.html>

- 5 Buttons
  - Introductory Video
    - Click to watch the introductory video again
  - Create IDForWeb
    - Click to create IDForWeb, the Task 1 for the participants
  - Verify IDForWeb
    - Click to verify IDForWeb, the Task 2 for the participants
  - Conduct Survey
    - Click to conduct survey, the final task for the participants
  - Settings
    - To update GTID if it is incorrectly typed.
- Make sure your GTID is shown on top.

A session for **902757134**

**Play Introductory Video**

**Create IDForWeb**

**Verify IDForWeb**

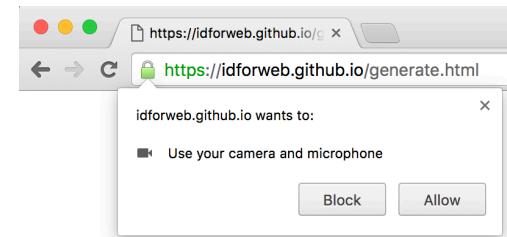
**Conduct survey**

**Settings**

# Create IDForWeb (Task 1)

- To create IDForWeb,
  - 1. Type user information on the form, such as
    - First name
    - Last name
    - Position (in affiliation)
    - Affiliation
  - 2. Then, click Record Selfie Video
- Caveat: You should allow access to microphone & camera to the browser
  - Click 'Allow' to enable recording

The screenshot shows a web browser window with the URL <https://idforweb.github.io/generate.html>. The page contains a form with four input fields: 'First name' (John), 'Last name' (Appleseed), 'Position' (Brewmaster), and 'Affiliation' (Apple Brewing Co. Ltd.). Below the form is a large blue button labeled 'Record Selfie Video'. At the bottom of the page, there is a placeholder text: 'Click to choose one of the image that you want to use it as main photo of the ID.'



# Create IDForWeb (Task 1)

- Recording Selfie Video
  - A. Click 'Proceed to Record' to begin recording

## Instructions

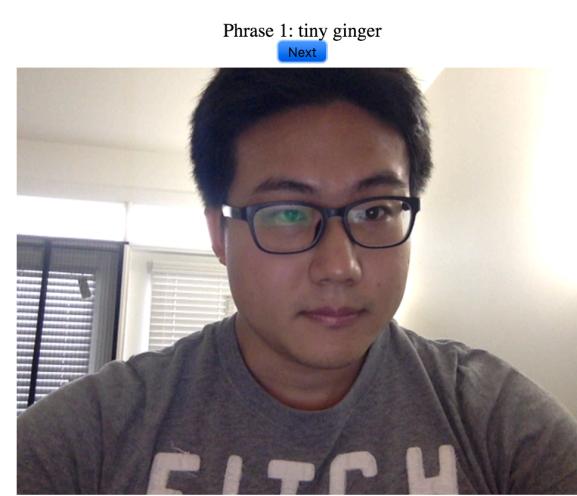
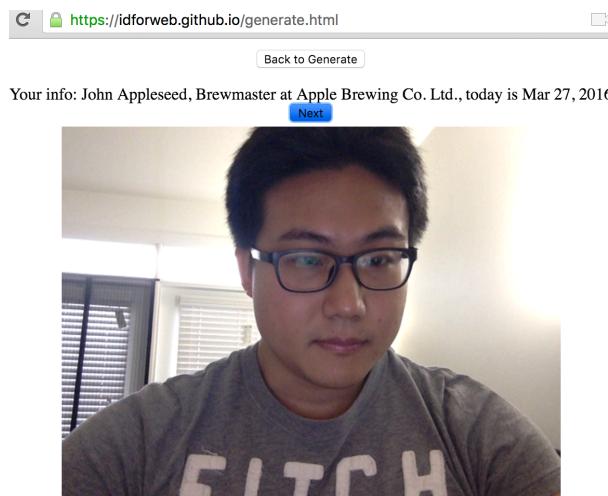
1. In the next step, IDForWeb record your video selfie through web-cam and microphone on the PC. Please make sure such things are enabled.
2. If the web browser asks the permission like following, please click '**allow**' to let IDForWeb access your camera and MIC.  
If you already disallowed access to camera or microphone, please click refresh button to let IDForWeb re-gain permissions.
3. Your task on recording video selfie is to read phrases displayed right above the recording screen. After speaking of the phrase is finished, press **next** to proceed to the next phrase.

**Proceed to Record**

**Refresh**

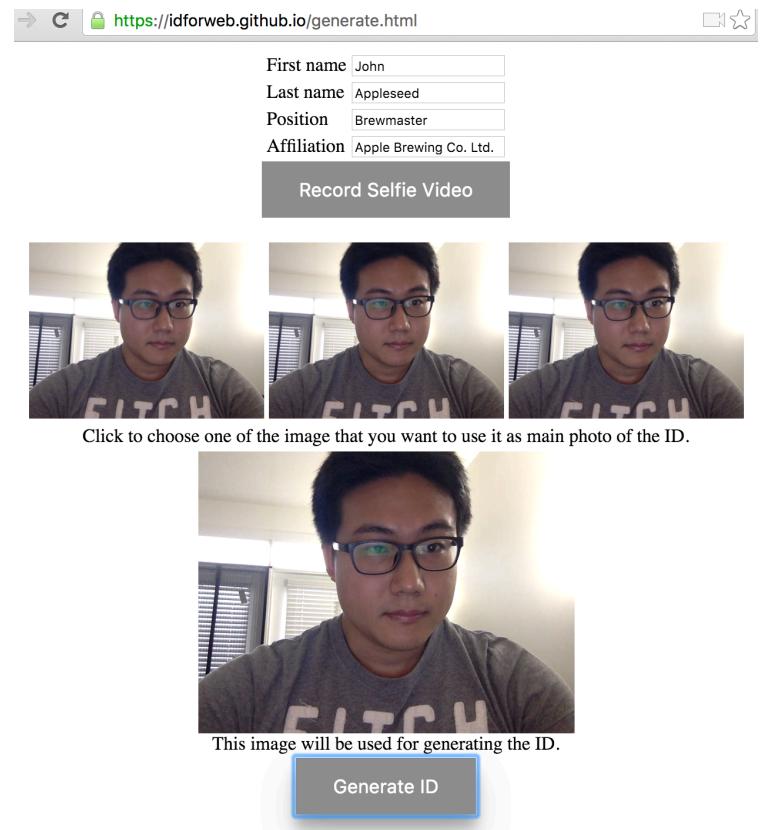
# Create IDForWeb (Task 1)

- Recording Selfie Video
  - B. When Phrase comes in, read the phrase,
  - C. Click 'Next' if speaking of each phrase is finished.
  - D. At the end, click 'Done' if you finish with all phrases.



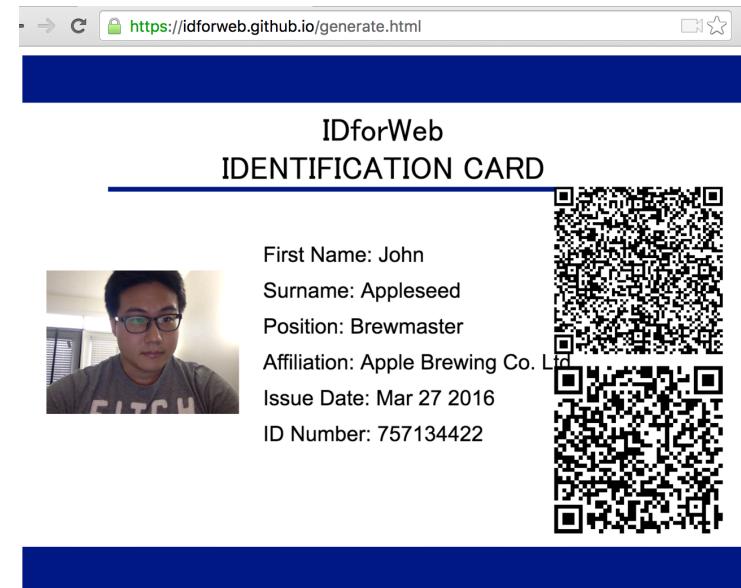
# Create IDForWeb (Task 1)

- Now, the snapshot of videos will be shown on the bottom.
  - Click on the **one of the picture** that will be used as a main photo for the ID.
    - Preview will be shown on the bottom.
  - Then, click '**Generate ID**' to create IDForWeb



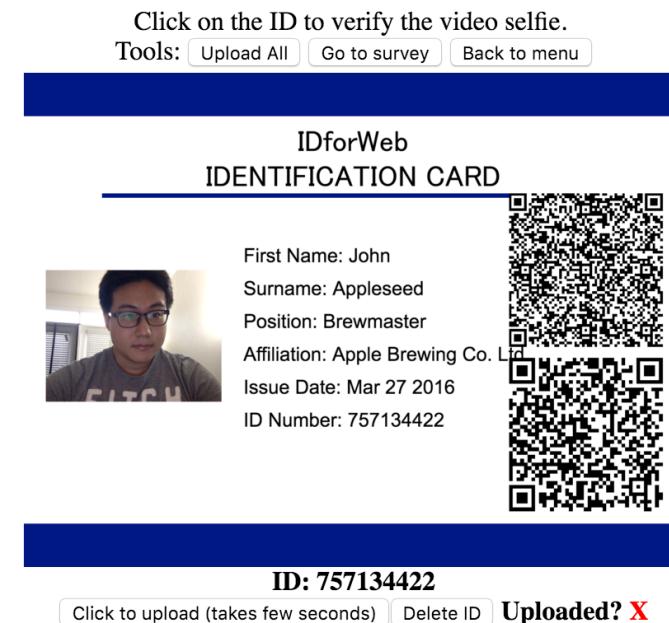
# IDForWeb

- The next screen will show the created IDForWeb on the screen.
  - Click to the ID to launch Verify session (Task 2)



# Verify IDForWeb (Task 2)

- Click on the ID ([Picture](#)) that you want to run Verify



# Verify IDForWeb (Task 2)

- Click ‘**Play**’ to start verifying session.
- Click ‘**Accept**’ if all phrases are spoken correctly.
- Click ‘**Reject**’ if any of phrase was wrong.



# Conduct Survey

- After Task 1 and 2 are finished, let participants conduct survey.
  - It is required to sign-in to Google because it is a Google Form, so please let participant do so.
- Type volunteer Number as
  - Number in created ID..

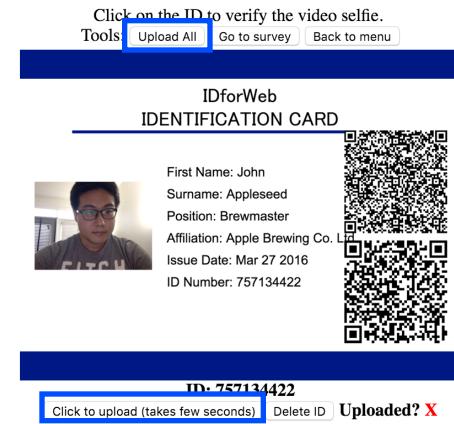


The screenshot shows a Google Form titled "Idforweb - Questionnaire". The form contains the following fields:

- Please answer the following questions:
- \* Required
- Volunteer Number \*
- 757134422
- Interviewer's email \*
- your\_georgia\_tech\_email@gatech.edu

# Uploading of the ID

- To grade your testing assignment, we collect generated ID into our server.
  - Note that we encrypt, and having strong access control on the server-side
    - The ID will not be accessed by public.
- Please click ‘Upload’ button on verify menu (or click **upload-all**)
  - Note that each video contains around 10MB, so please try upload when you are having suitable Internet connection.
  - After upload is finished, a **green circle** will be displayed.



# Caveat

- If camera does not work on Google Chrome, then install Chrome Canary (in Windows and Mac OS X) or Chromium (in Linux)
  - <https://www.google.com/chrome/browser/canary.html>
  - <http://askubuntu.com/questions/250773/how-do-i-install-chromium-from-the-command-line>
- If recording does not work, then try to click refresh, or close all browser window / or close other programs that uses camera and try again.

# Create IDForWeb (Task 1)

- Verifying by themselves
  - Next, let the participants verify the video by themselves
    - Note that the video will be used for the other person to verify the participants.
  - Click 'Play' to start verify step.
    - Phrases will move, and if the speech is not matched with the phrase, click 'Reject'
      - This will let the participants do recording again.
    - If all phrases looks correct, click 'Accept'

Your info: John Appleseed, Brewmaster at Apple Brewing Co. Ltd., today is Mar 27, 2016



Phrase 1: tiny ginger



Phrase 3: small tiger

