

# IDForWeb User Testing Instructions (Mobile App)

Georgia Tech Institute of Information Security and Privacy

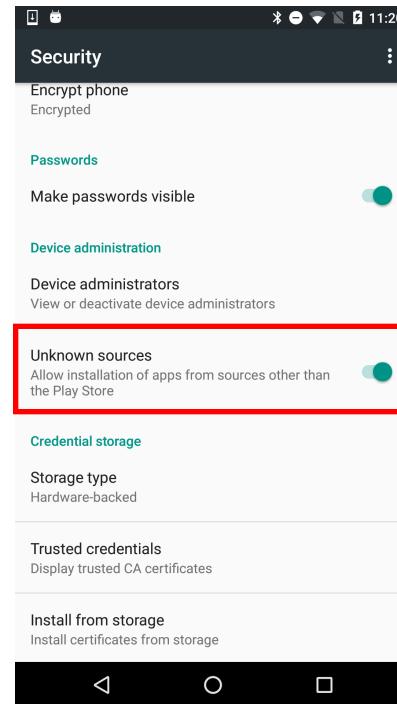
GT-IISP

# Mobile-app Prerequisites

- Android Device
  - Android version over 4.4 (Kitkat)
    - Check it at Settings – About Phone – Android version
      - Works for 4.4, 5.0 and up, and 6.0 and up.
    - Make sure the device is equipped with a front-facing camera
- If you don't have such devices, please use web-app at
  - <https://idforweb.github.io>

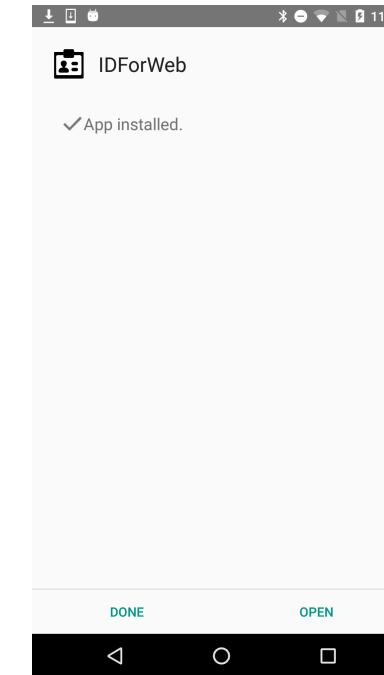
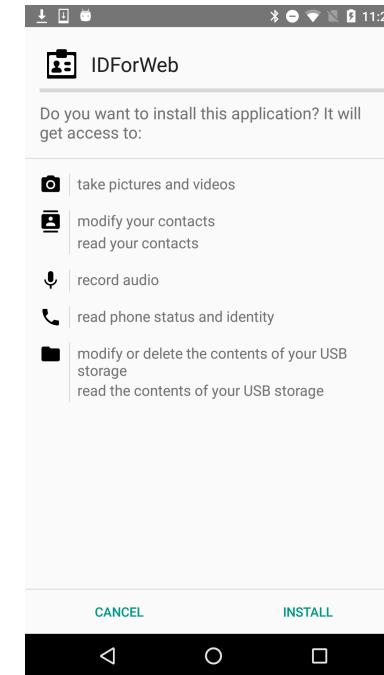
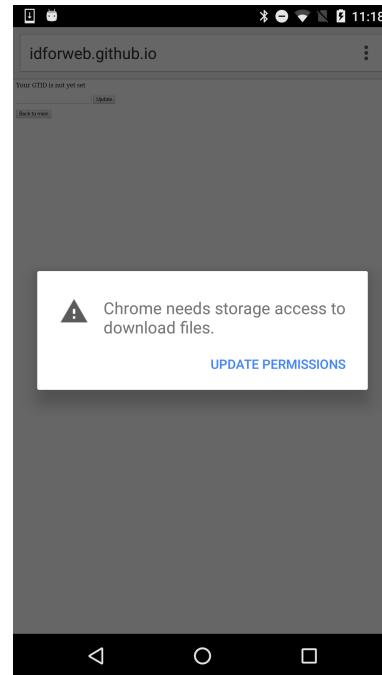
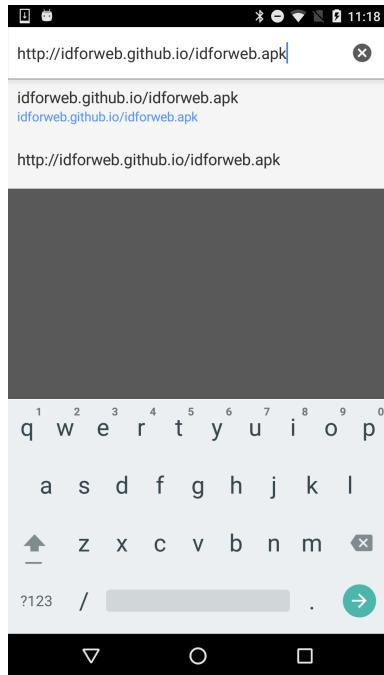
# Mobile-app Prerequisites

- Installation
  - On installing the app, you should allow unsigned application.
  - Go to Settings, Security, and touch to enable ‘Unknown Sources’



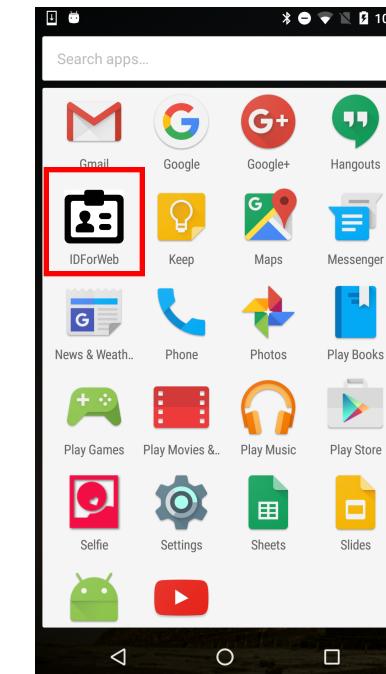
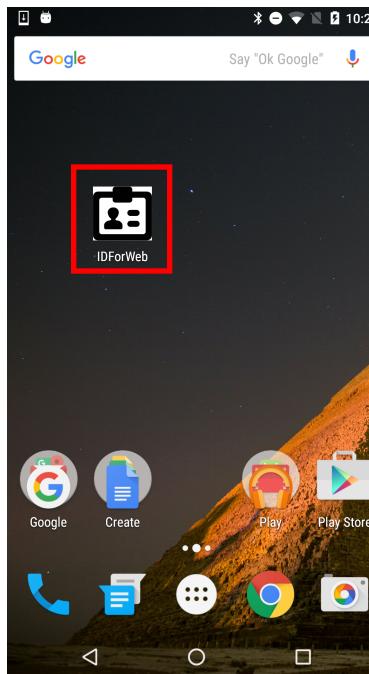
# Mobile-app Prerequisites

- Installation
  - Go to <https://idforweb.github.io/idforweb.apk>
  - Allow Chrome to have download access, then install the app.



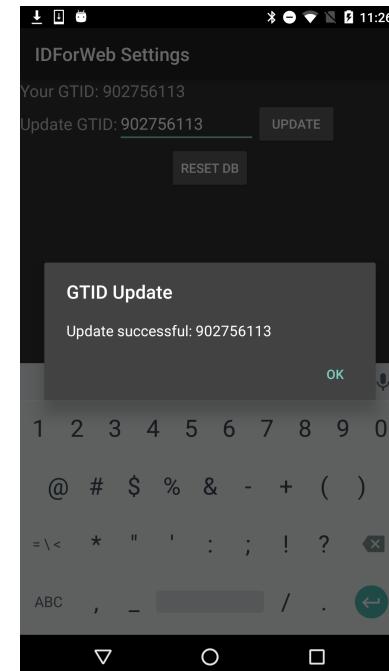
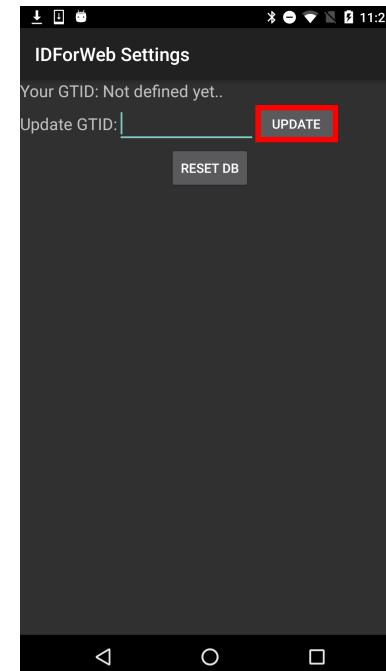
# Mobile-app Prerequisites

- Launching
  - Find the app named ‘IDForWeb’, and click to launch
    - It can either be on the main screen or in the launcher



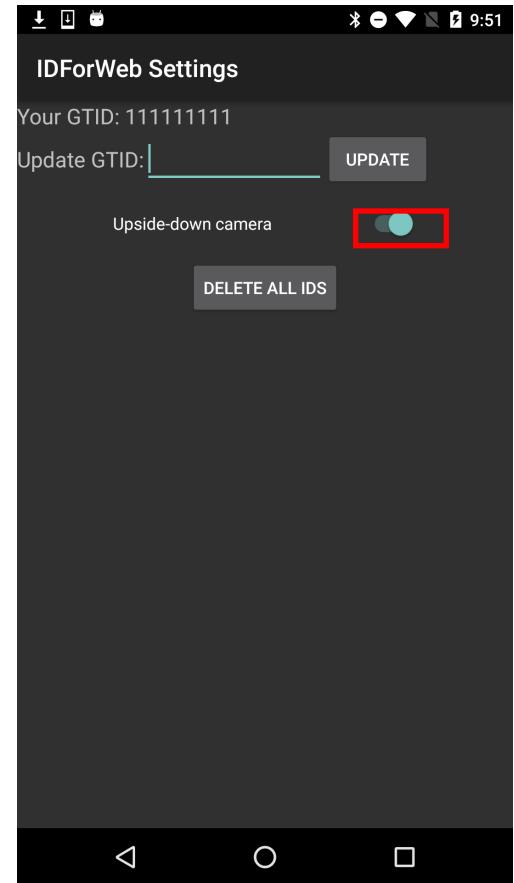
# Testing Setup (One-time)

- Run the application
- Go to setting, type your GTID and click ‘UPDATE’
- Check your GTID is displayed on top.
- Click ‘Back’ to proceed to test.



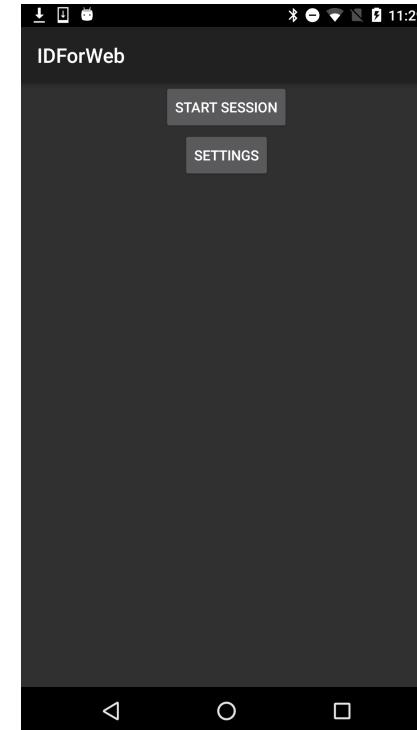
# Testing Setup (One-time)

- On recording, if your camera is upside down,
  - Then turn on 'Upside-down camera' switch.
    - It will revert the image direction.



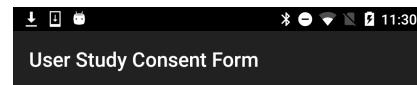
# Front Menu

- Two buttons,
  - Start Session
    - Starting of IDForWeb User testing session. It will show the consent form that participants are required to agree to participate to the user testing.
  - Settings
    - Go to the page that updates GTID



# Consent Form

- On clicking ‘Start Session’,
  - A consent form comes up.
  - Make sure the participants fully read and understand the contents, and proceed test if he/she voluntarily agreed with the consent form.
    - Click ‘Agree’ to agree with the 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]

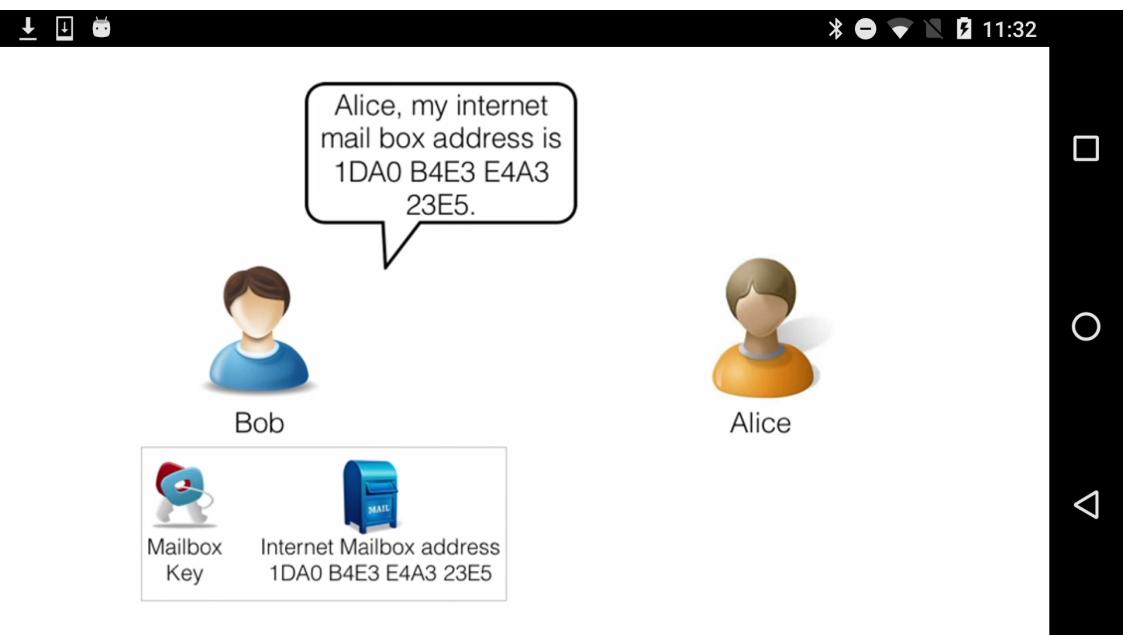
#### Research Permission Form

You are being asked to be a volunteer in a  
research study.

AGREE

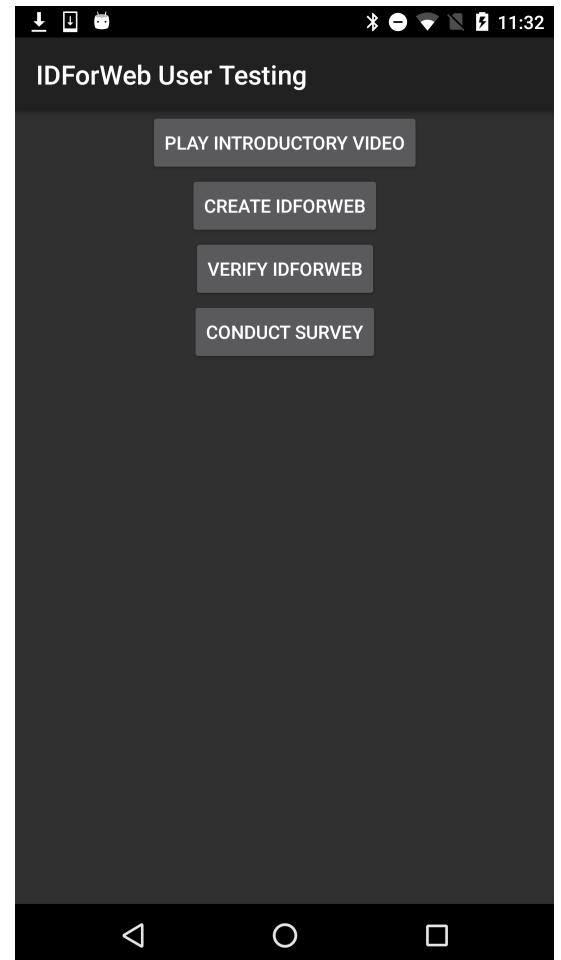
# Introductory Video

- 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 press back button.



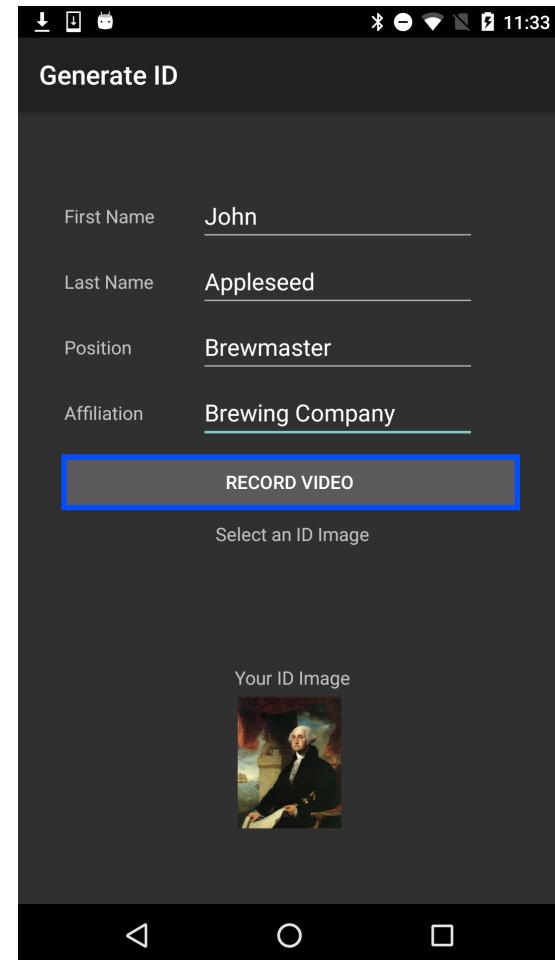
# Testing Menu

- 4 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



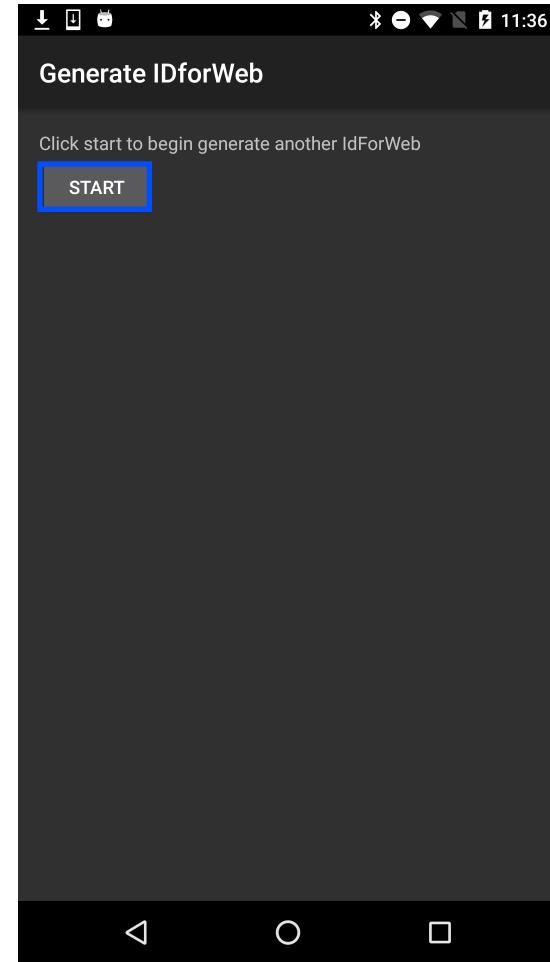
# Create IDForWeb (Task 1)

- To create IDForWeb,
  - 1. Type user information on the form, such as
    - First name
    - Last name
    - Position (in affiliation)
    - Affiliation
  - 2. Then, click **Record Video**



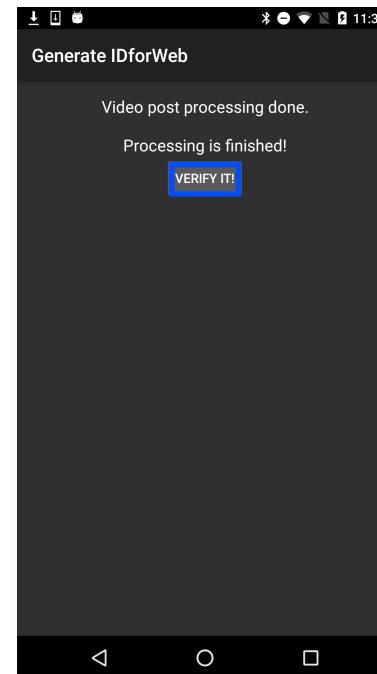
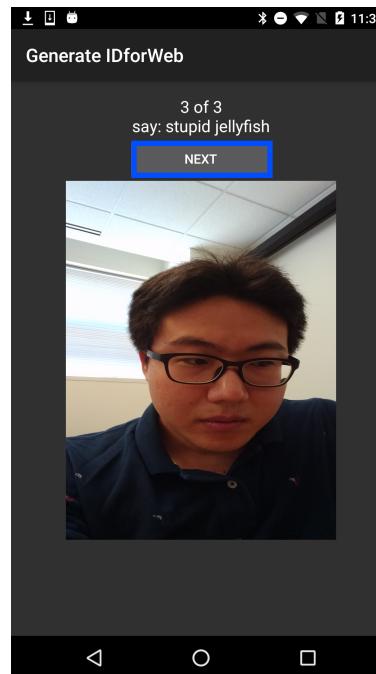
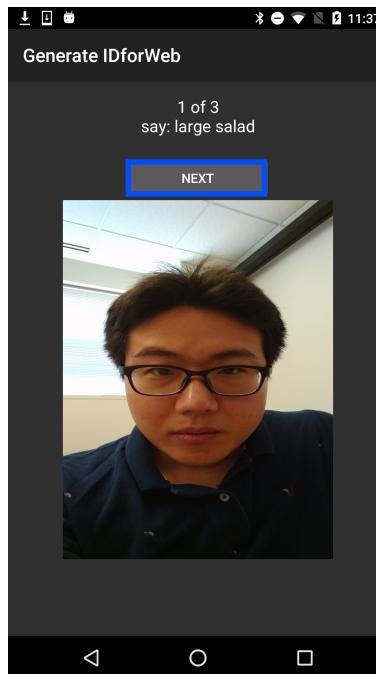
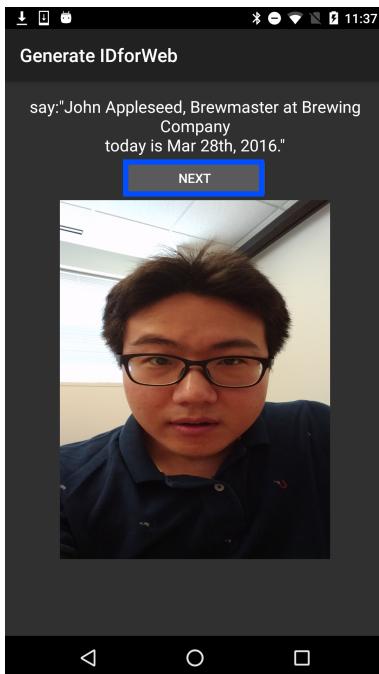
# Create IDForWeb (Task 1)

- Recording Selfie Video
  - A. Wait until the app is being initialized
  - B. Click ‘Start’ to begin recording



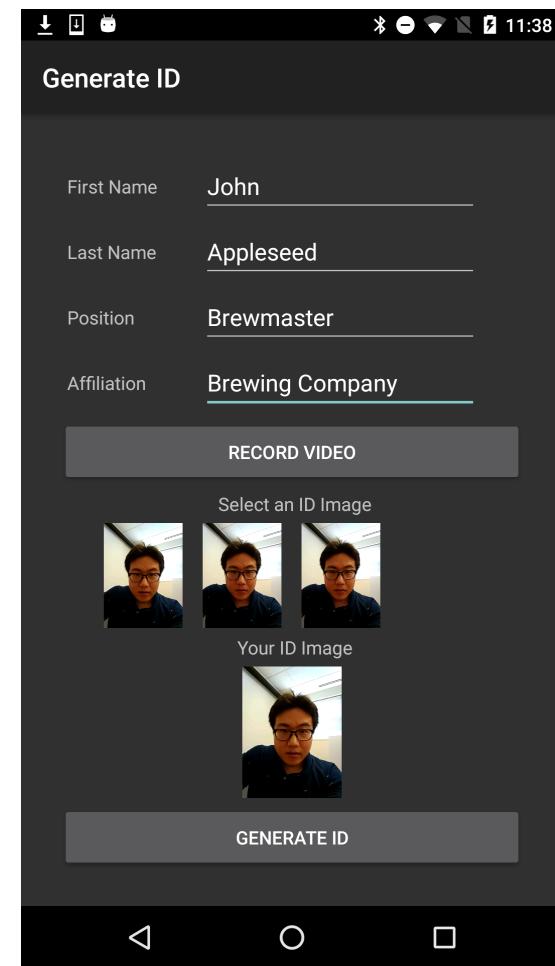
# Create IDForWeb (Task 1)

- 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 '**Verify It**' if you finished with all phrases.



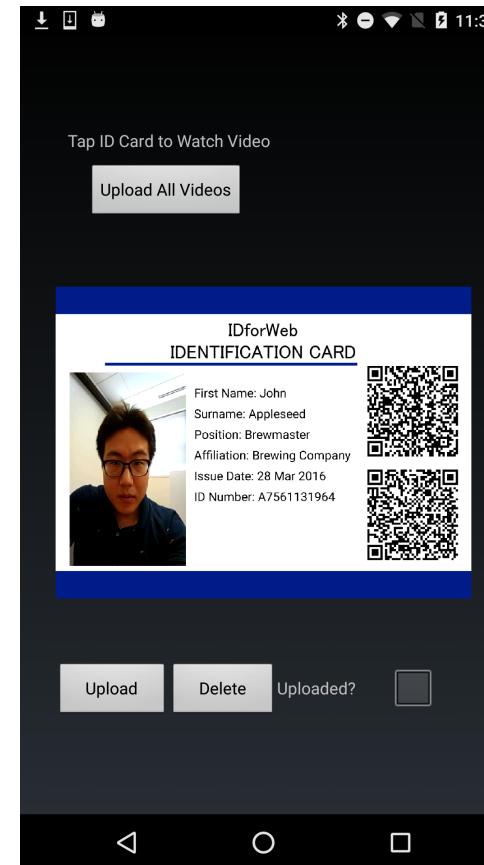
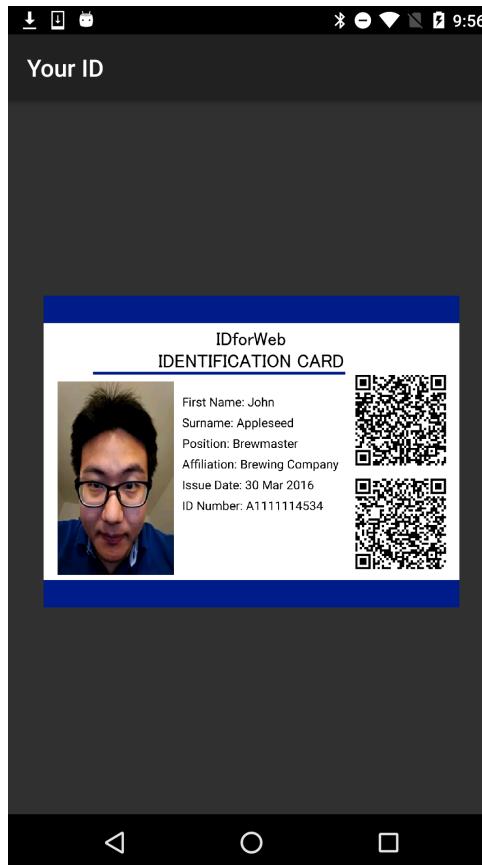
# Create IDForWeb (Task 1)

- 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



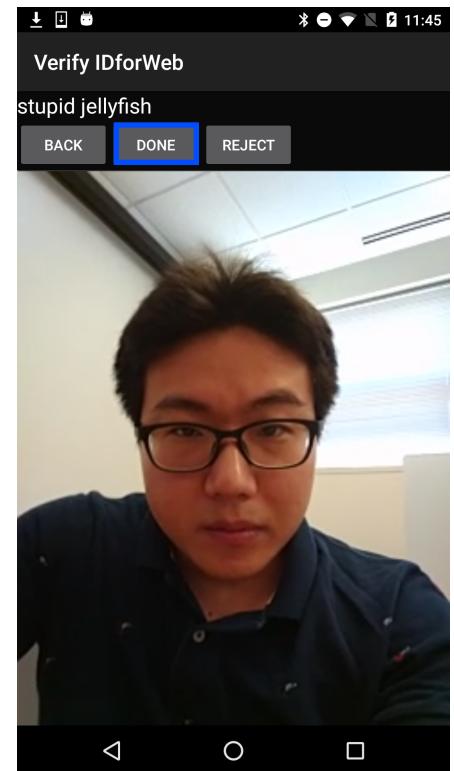
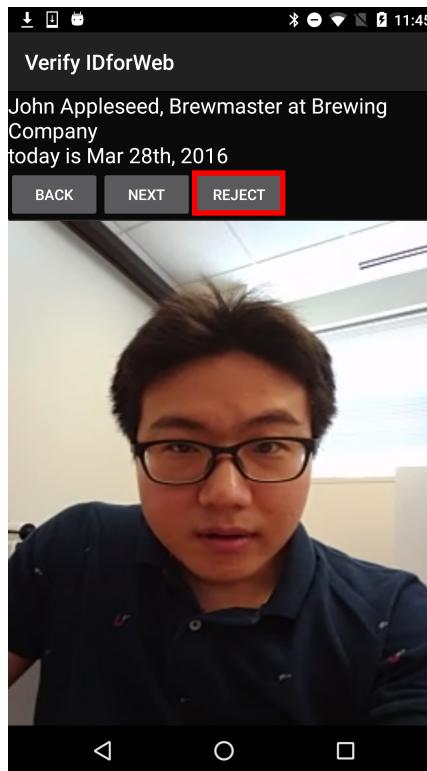
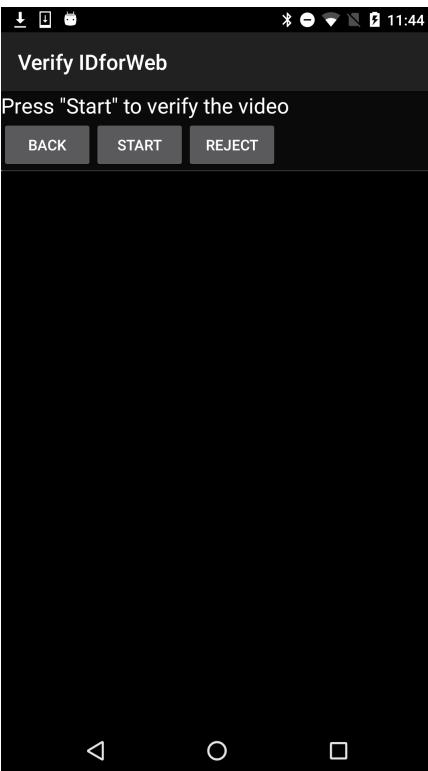
# Verify IDForWeb (Task 2)

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



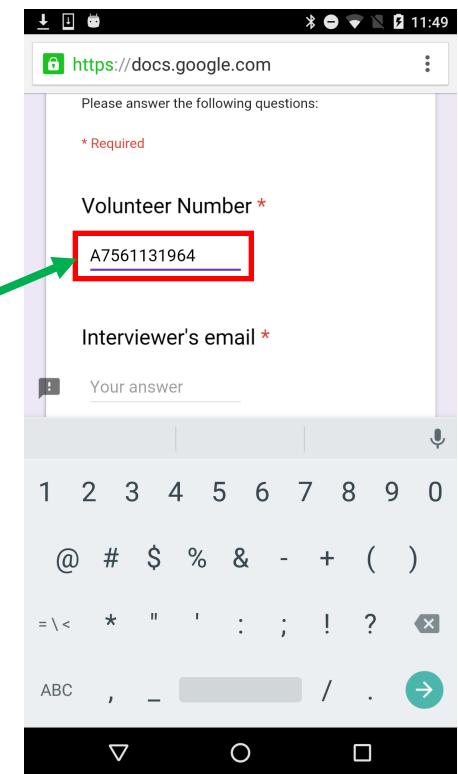
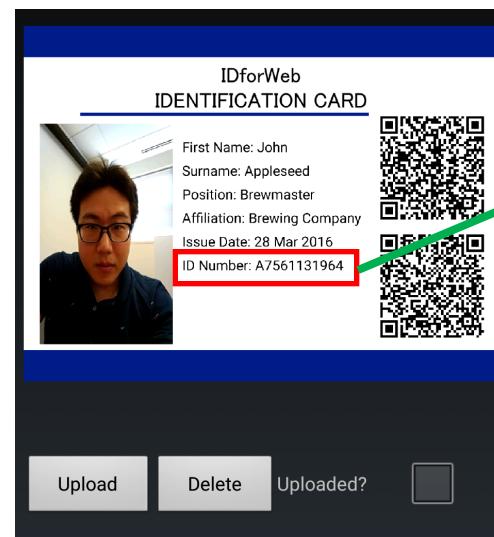
# Verify IDForWeb (Task 2)

- Click '**Start**' to start verifying session.
- Click '**Reject**' if any of phrase was wrong.
- Click '**Done**' if all phrases are spoken correctly.



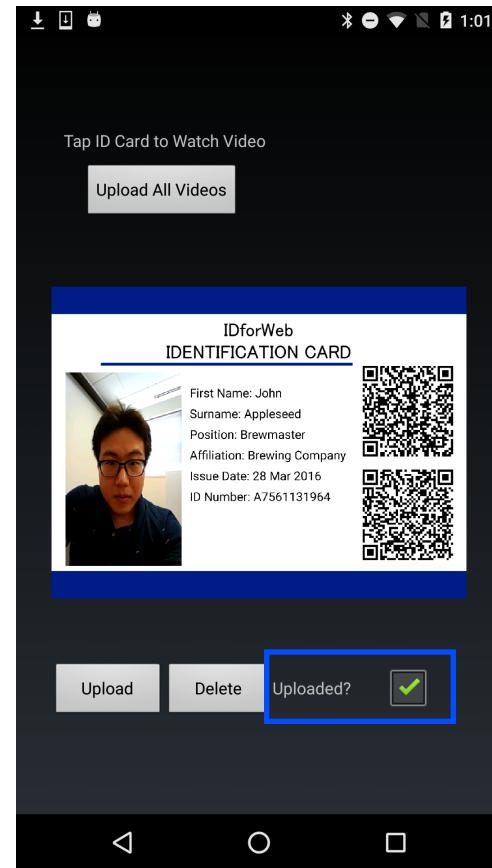
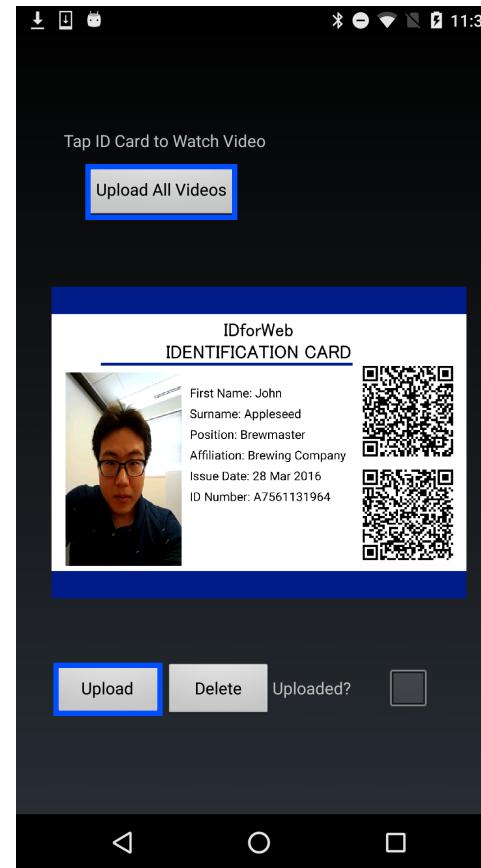
# Conduct Survey

- 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..



# 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 2MB, so please try upload when you are connected with Wi-Fi.
  - After upload is finished, a check-mark will be displayed.



# Caveat

- If the app is not responding, or having dialog like ‘The App IDForWeb is stopped’,
  - Then open task manager, try to kill the all apps, and try again.
- If you cannot get the recording correctly for multiple runs, then your device is not yet supported by the prototype version of IDForWeb. In such case, use the web-app.
  - <https://idforweb.github.io>

# 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 ‘**Start**’ 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 ‘**Done**’

