Visual Routine V1.0

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Think Tank Team
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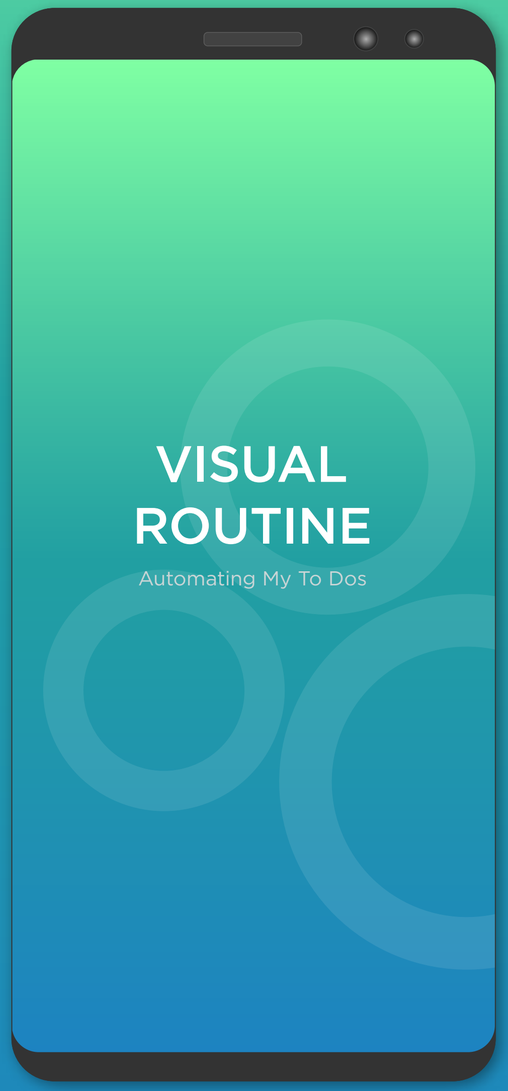
What we are experiencing while using mobile device?

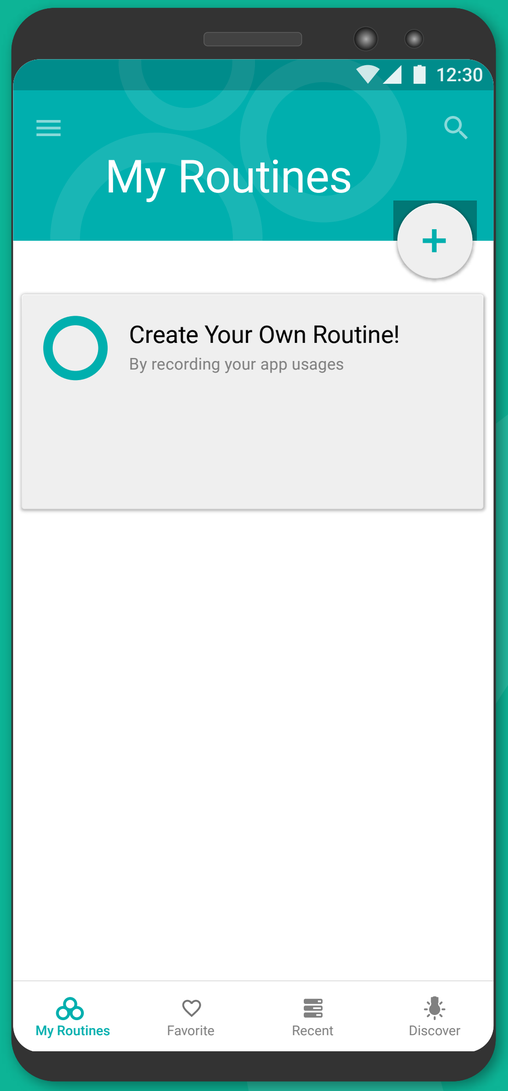
We do tasks repeatedly on a device which is tedious and time-consuming

Existing automation tools are restricted to pre-defined actions and conditions



Visual Routine

Personal task automation that teaches a device to perform any action by demonstration



Main Feature I

Recording

Create own routine to work for you by recording

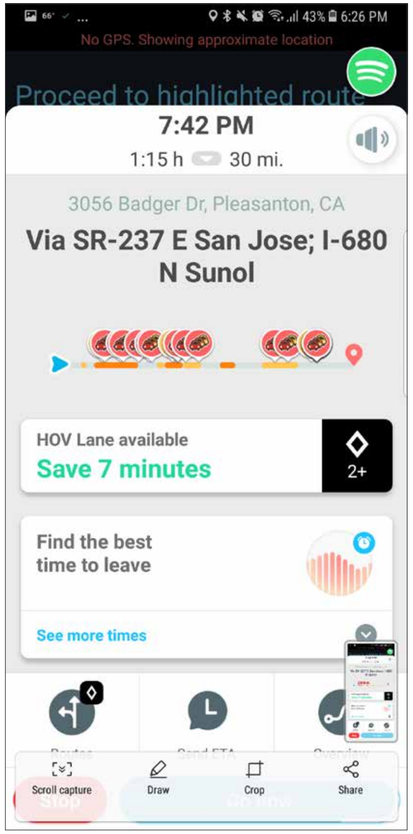
- Capture your app usages and generate streamline
- Create your routine shortcut

Record Where You Visit & Create Your Flow

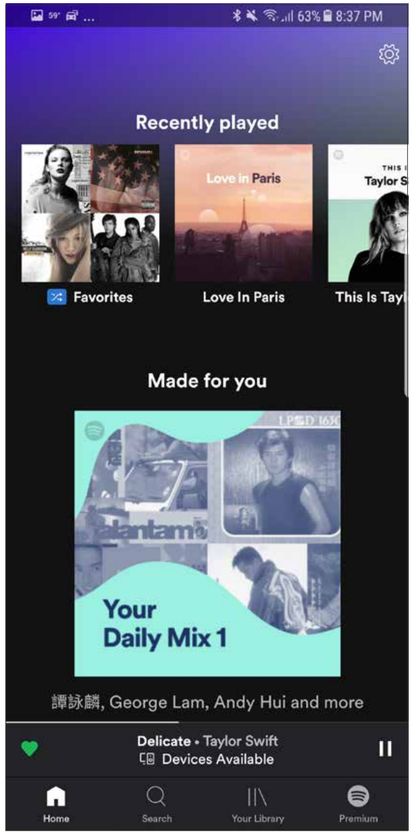
How teach a device ?

Demonstrate user app usages and actions while recording

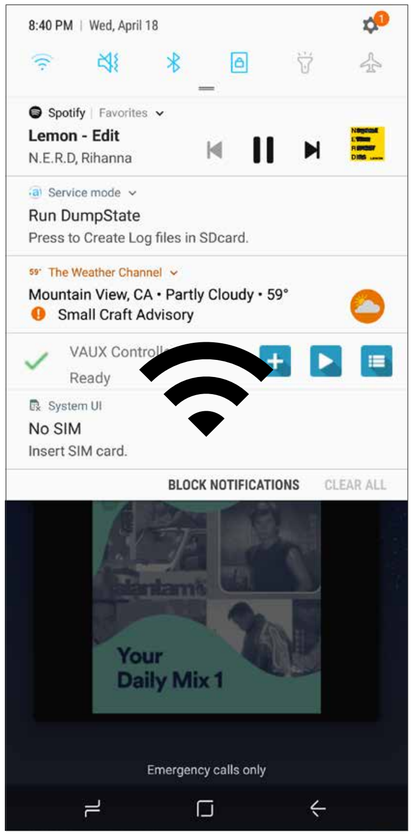
Commute (Example)



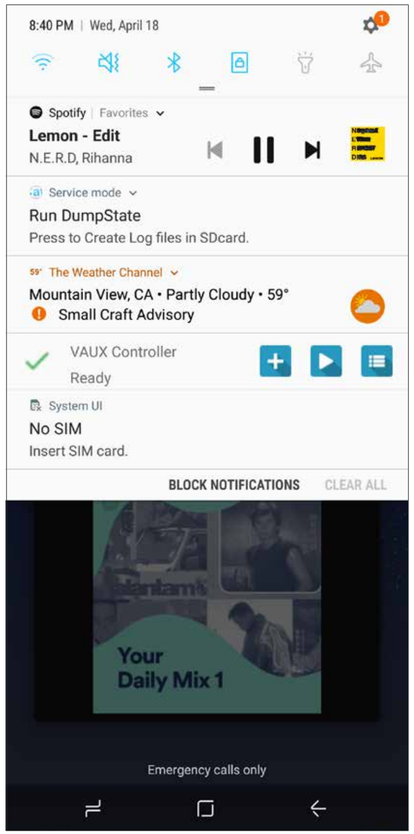
Check traffic info with Waze



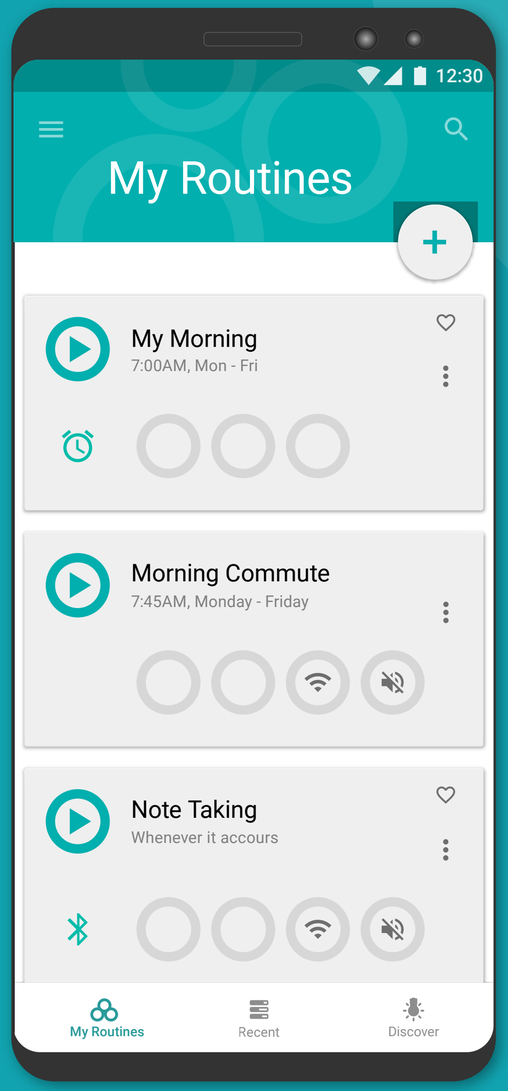
Play my favorite music track on Sportify



Detect my office Wi-Fi



Enforce my phone mute



Main Feature II

Playing

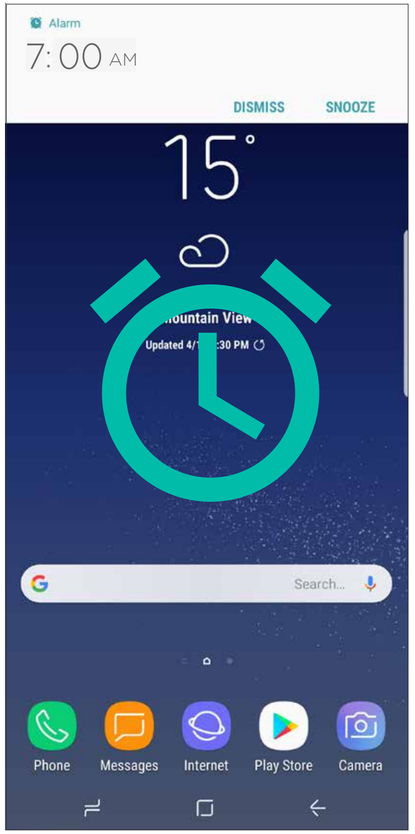
Handle tedious tasks you repetitively do for everyday

- App Streamline for productivity and efficiency
- Set trigger to play your routine automatically

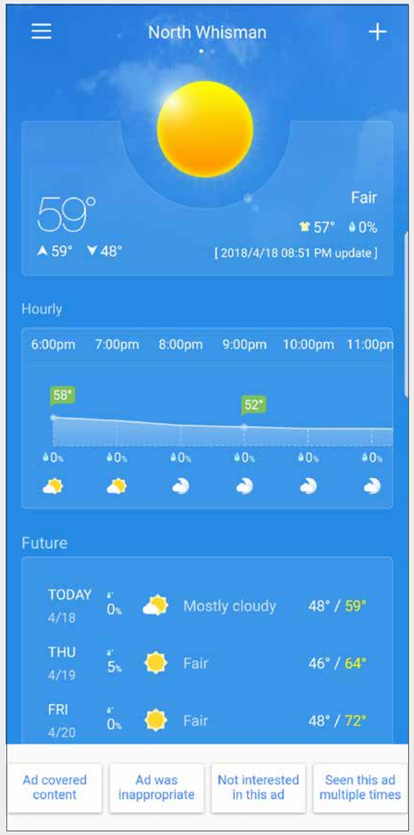
Set Trigger Event for Your Routine to Perform Automatically

How trigger works ?

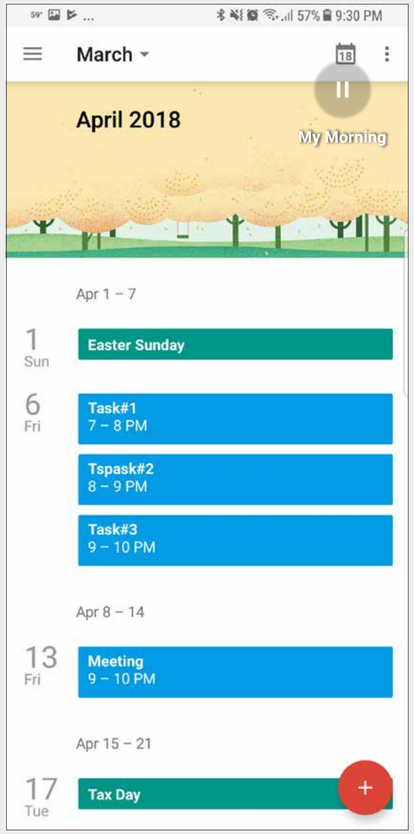
Task trigger enables your routine to execute automatically when activated



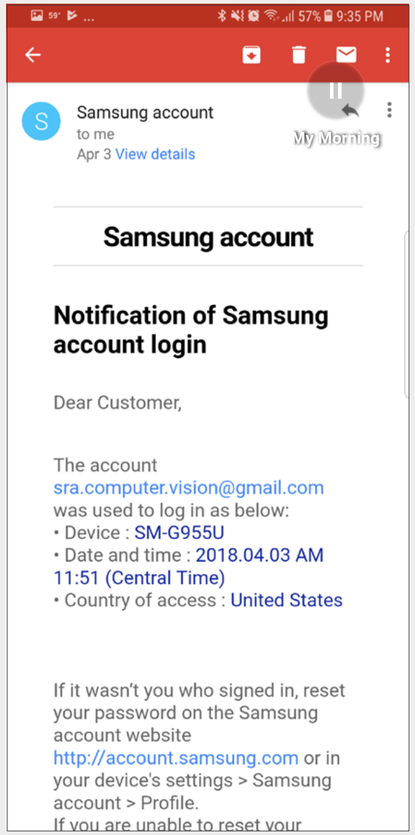
Alarm Activates



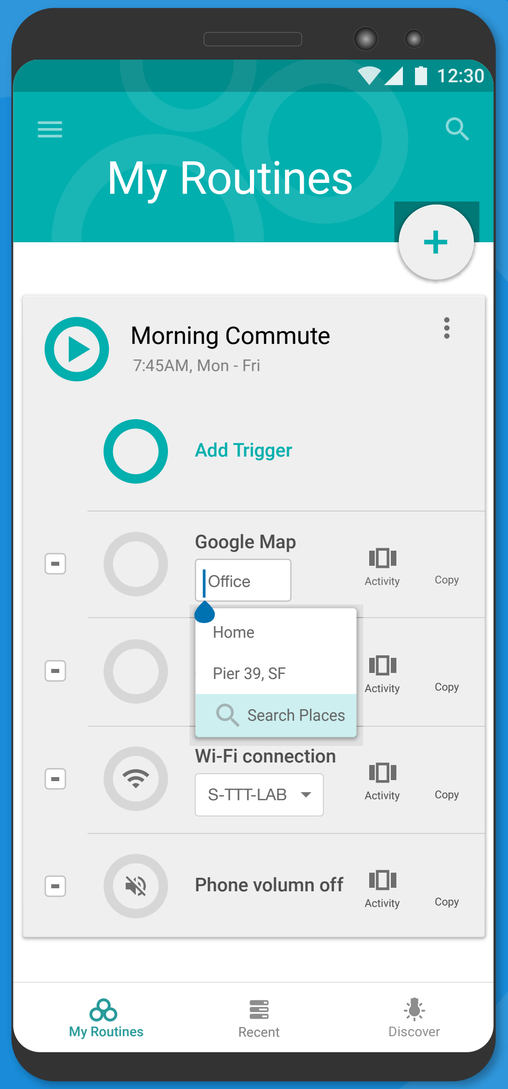
Weather



Calendar



Mail



Main Feature III

Editing

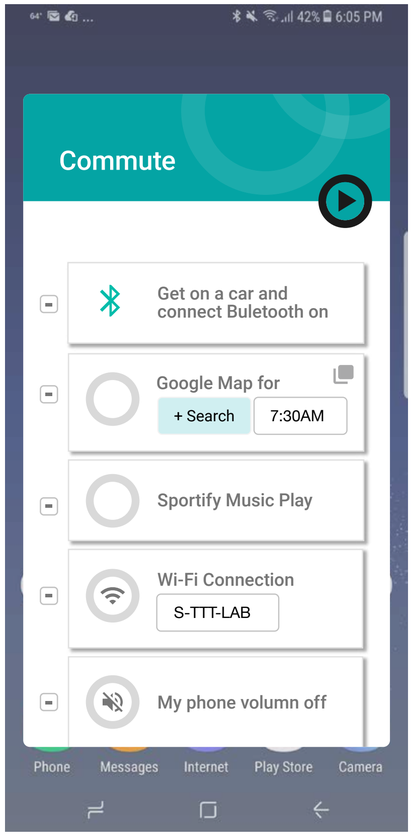
Insight of each apps that is adjustable by your preferences and needs

- Add, re-arrange, remove, copy or paste of app usages
- Set specific constrains like location, time, date, or connections

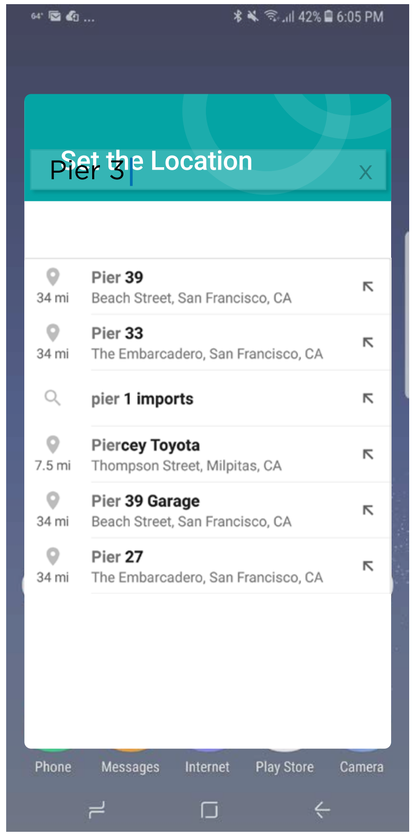
Manage Constrains Specifically for Your Preference

How editting works?

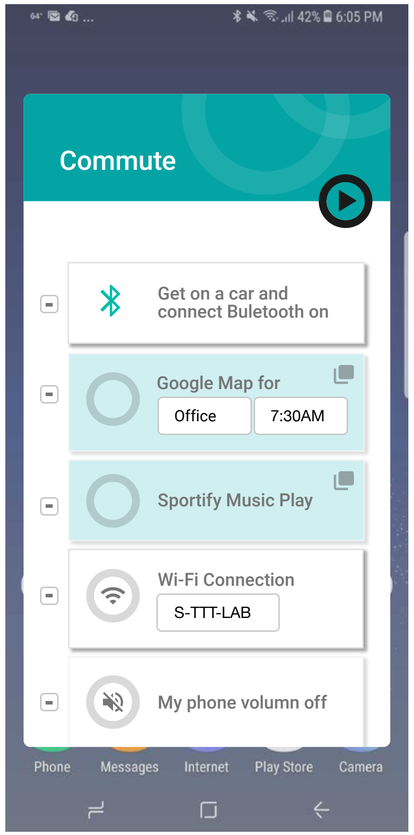
Parameters by captured UI events are editable like text or input format & re-arrangement by drag and drop of each task



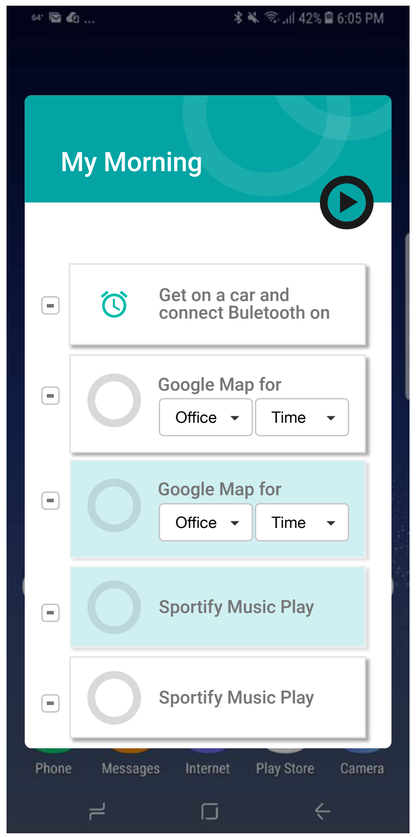
+ Search



Location Search



Copy



Paste

What to Expect

- Intuitive Interface leveraging existing mobile user behaviors : Recording, Editing, and Playing

- Simple user experience with multiple commands at one time

- Deeper engagement with manipulation of activities.

Product Icon

Application Icon

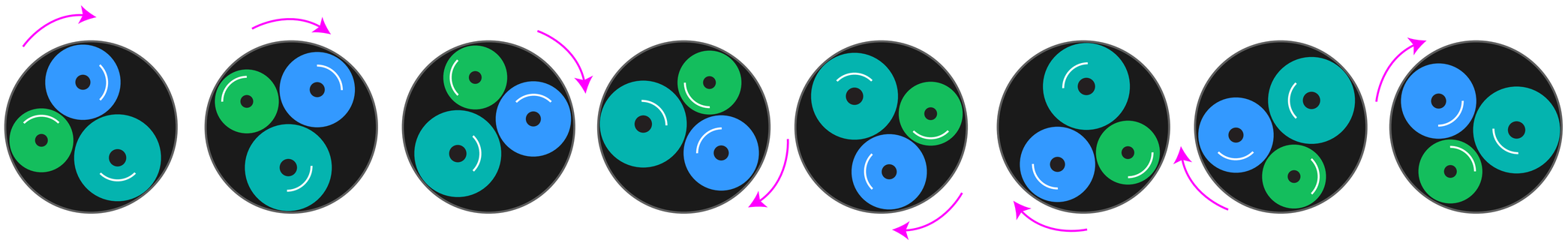
Routine Recorder

Design Approach

It is reflecting a visual expression of patterns
for everyday routine cycles and continous operations.

Recorder

Animated circular motion icon for recording state.



User Flow

Information Architecture

VISUAL ROUTINES

Recommended by Tu Hoa

Feature I : Recording

Create Routine

Main Page

Routine Recording

Create New Routine : Add Name

Recording State : Control Panel

Routine List

Recording : Pause State

On/Off Switch

Pause State : Control Panel

Off State Switch

Stop State : Confirmation

Feature II : Editing

Edit Routine

Edit Routine

Change Task order

Menu Options

Editable for Each Task : Parameter Change & Copy

Editable for Each Task : Copy from Routine Task

Editable for Each Task : Change Task Order

Editable for Each Task : Search

Editable for Each Task : Paste into any Routine

Editable for Each Task : Remove

Modified Routine List

Edit Confimation

Modified Routine List

Task Activity of Routine

Activity

Select 'Activity'

Browse & Edit Activities On App task

Change Confirmation

Trigger Options

Select Trigger : e.g) Wifi

Select Trigger : e.g) Time

Select Trigger : e.g) Bixby Voice Command

SetTrigger : Turn On

Set Trigger : Turn On

Set Trigger : Turn On

Set Trigger : Edit Command

Set Trigger : Advanced Setting

Modified Routine List

Modified Routine List

Modified Routine List

Feature III : Playing

Play Routine

Play Routine

Playing State : Control Panel

Playing State : Notification

Pause State : Control Panel

Discover Preset

Discover Preset Routine

Find Your Each Task

Preset Routine : Edit

User Scenarios

Advance Development

Visual Routine Scenario I

Expanding Accessibility

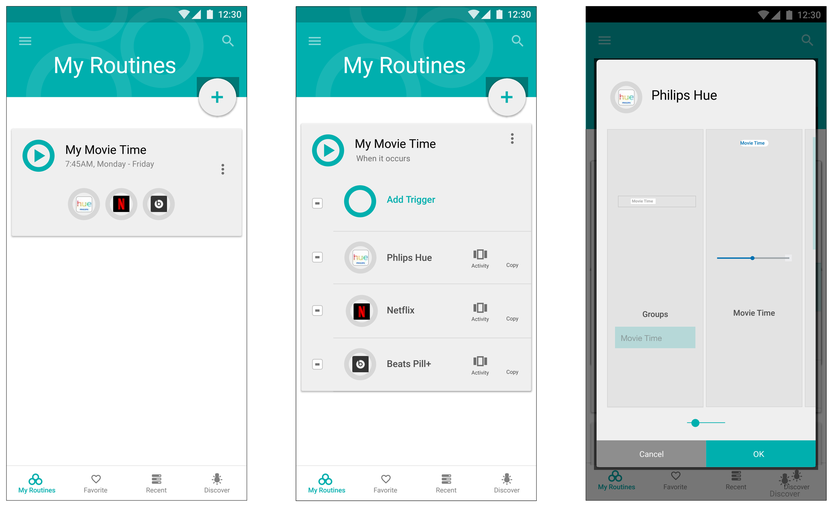
Voice AI into ‘Visual Routine’

(Exemplar)

Whenever you say, **Hey Voice Assistant,**
run ‘My Movie Time’ on ‘Visual Routine’ App

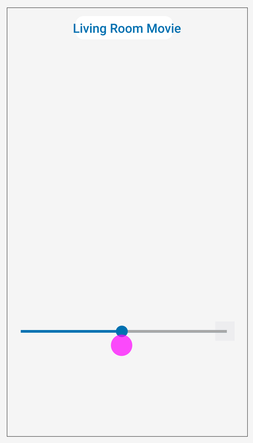
‘Visual Routine’ App Runs ‘My Movie Time’:

1. **Philips Hue : Dim the light bulb and change the color**
2. **Netflix : Play movie on my list**
3. **Chromcast: Mirroring on TV (TV automatic turn on while chromcasting)**
4. **Beats Pill+: Bluetooth speaker turns on**

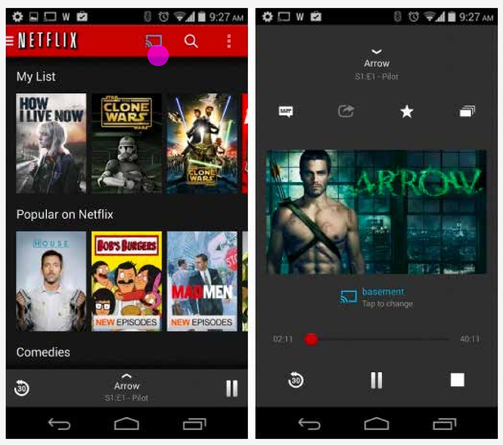


User App Usages

Philips Hue



Netflix & Chromcast



Beats Pill+

Compare User Experience

One command of Visual Routine enables to manipulate various app usages.
It helps to reduce several steps of user behavior with one setup.

Voice AI

Hey voice assistant,
Dim Living Room bulb to 50% and turn red

Hey voice assistant,
Play my movie list on Netflix

Hey voice assistant,
Turn on Chromcast

Hey voice assistant,
Turn on Bluetooth speaker and volum to 50%

VS

Visual Routine

Hey voice assistant,
Run my movie time on Visual Routine

Visual Routine Scenario II

Harmonize with Other Automation Apps

‘Visual Routine’ Can Harmonize with Current Automation App

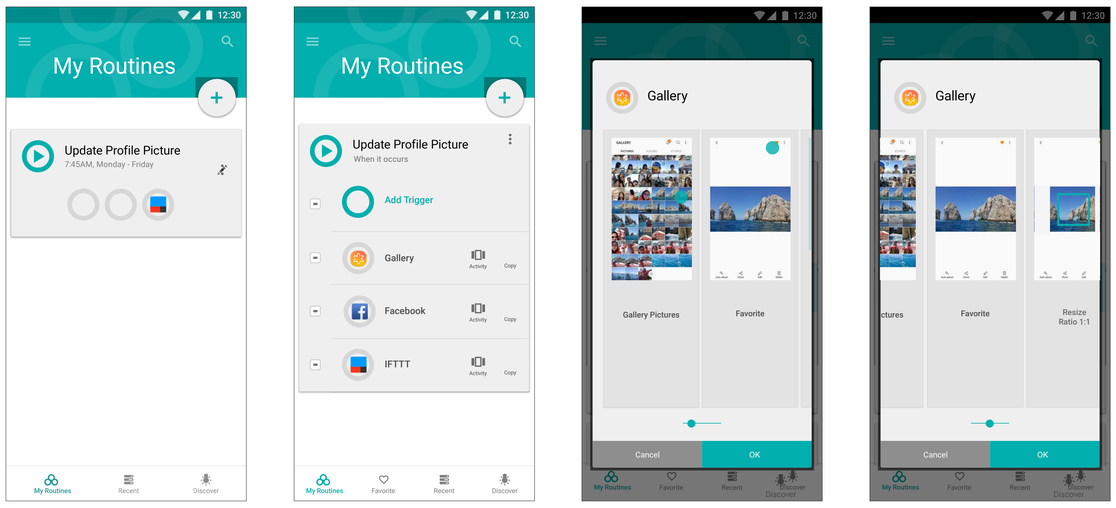
(Exemplar)

Record your routine **‘Update Profile Picture’**

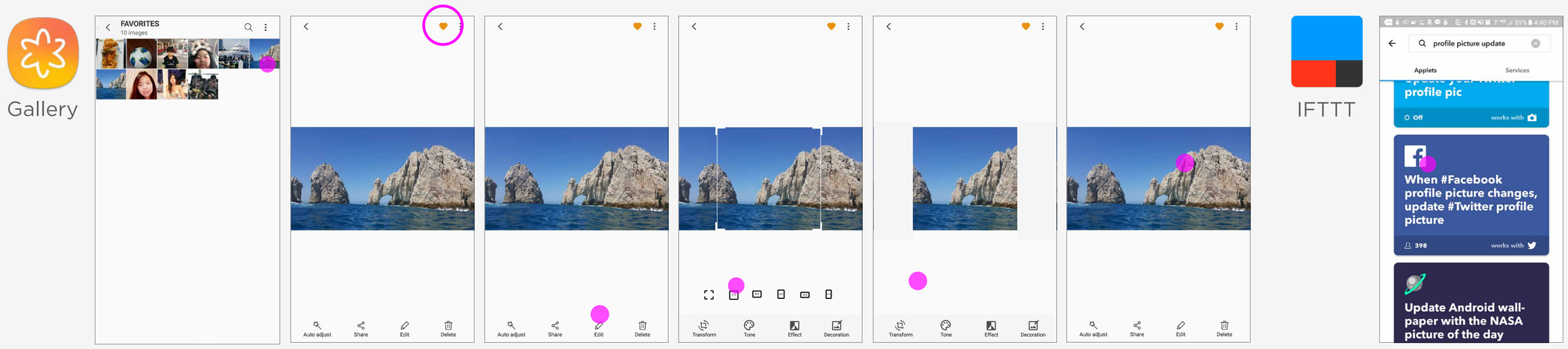
1. User performs to tap a photo as favorite ♥ in your Gallery app
2. Photo is automatically relocated into album ‘Favorite’
3. Photo resize ratio 1:1
4. Add ‘Film’ effect onto photo
5. Share photo as profile picture with FB

Leverage Other Automation App

6. Turn on Applet ‘When FB profile picture changes, update Twitter profile picture”



User App Usages



Compare User Experience

Updating an active SNS profile picture one by one could be a hassle. Current automation app helps to sync some of SNS profile pictures, once a user updates profile picture on one of SNS site. Visual Automation can help user doesn't have to changes even one profile pictures on SNS site.

Automation App (Current)

User turn on applet ‘Keep FB, Twitter and Instagram profile Picture in Sync

1. User visits one of FB app to update profile pic.
2. Manually select photo and reposition in the frame.

VS

Visual Routine

User record ‘Update Profile Picture’

1. Mark a photo as “Favorite”,

Visual Routine Scenario III

Computer Vision Integration

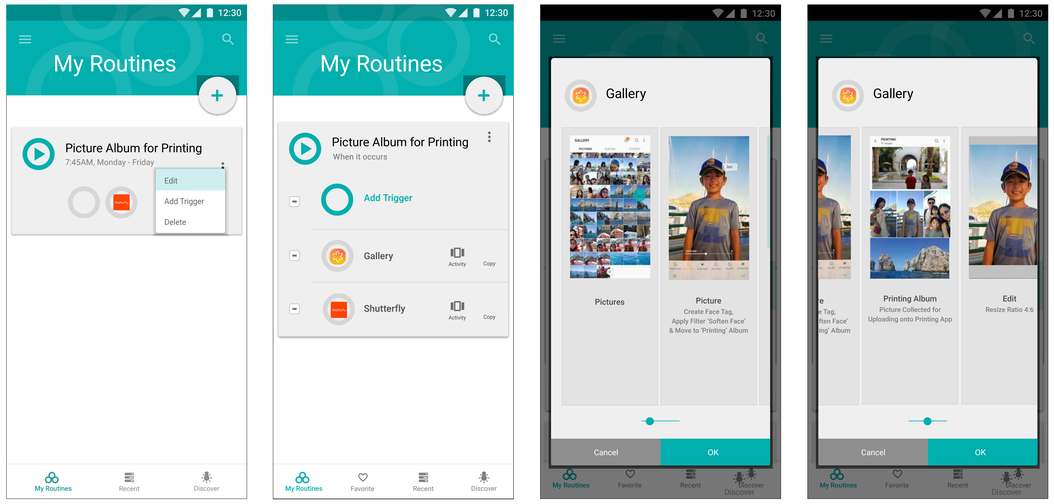
Face Recognition Enabled ‘Visual Routine’

(Exemplar)

Record your routine **“Ready for Printing”**

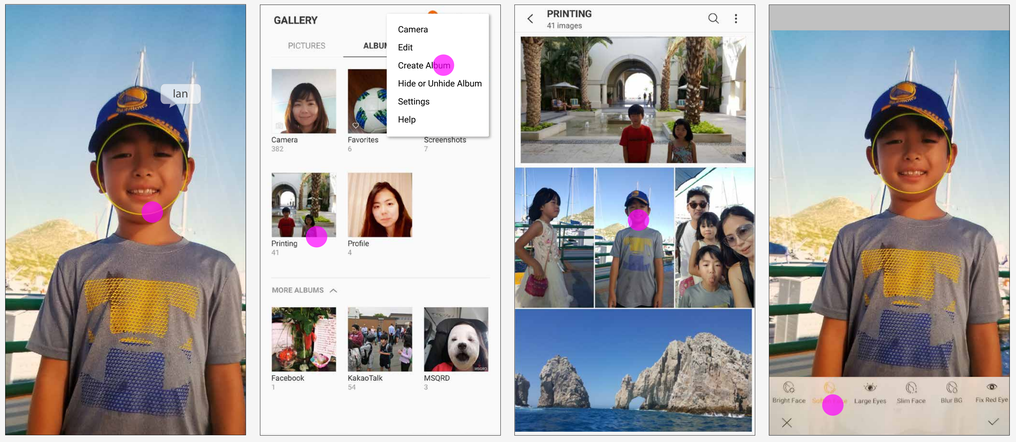
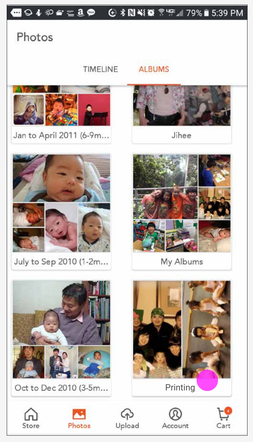
Pre-condition) Computer Vision enables to recognize tagged face

1. Gallery app enables to recognize tagged person on photo
2. Create category ‘Printing’ album on Gallery app
3. The photo including tagged person automatically moves to ‘Printing’ album
3. Resize ratio 4:6, or 6:4 for print out
4. Apply filter for a fine tunning
5. Upload photo onto print app and ready for the print



User App Usages

Gallery



Shutterfly