**Before**

Inside

Outside

Name: Camera
Description: Camera will be present at a standard eye hole height. And there will be camera icon which turns on the camera from both side.

**After**

Inside

Outside

Name: Camera
Description: Camera has turned on, and both sides standing person can see each other. Person inside the house has option to go back to the home screen.
**Before**

User wants to change setting. User clicks on Setting icon and one of the option displayed will be Change Background.

**After**

User sees the Change Background option.
User have selected Change Background option. This option was reached from Settings.

These are the given theme for the door background can be. There is additional More theme, which can be theme such as movie poster, events. Custom there can be their own pictures from their connected device or custom color panel.
Before

Inside

Outside

- Theme
- Xmas
- Halloween
- St. Patrick
- 4th July
- More theme
- Custom

User has selected Halloween theme to be displayed on the outside. This option was achieved by going to Settings then Choose Background. User can go back to Choose Settings by clicking back arrow.

After

Inside

Outside

- Theme
- Xmas
- Halloween
- St. Patrick
- 4th July
- More theme
- Custom

Happy Halloween theme is displayed on the outside door. Halloween text is highlighted with blue outline to indicate the current theme selection.
User clicks on the Xmas theme for Christmas. This option was achieved by going to Settings then Choose Background. User can go back to Choose Settings by clicking back arrow.

Christmas Theme is displayed on the outside door. Xmas text is highlighted red outline to indicate the current theme selection.
User clicks on St Patrick theme. This option was achieved by going to Settings then choose Background. User can go back to the Choose Settings by clicking back arrow.

St Patrick Theme is displayed on the outside door. St Patrick text is highlighted green outline to indicate the current theme selection.
User clicks on 4th July theme. This option was achieved by going to Settings then choose Background. User can go back to the Choose Settings by clicking back arrow.

4th July Theme is displayed on the outside door. 4th July text is highlighted with blue outline to indicate the current theme selection.
Before

User has selected Custom theme to be displayed on the outside.
This option was achieved by going to Settings then Choose Background.
User can go back to Choose Settings by clicking back arrow.

After

Custom theme is displayed on the outside door. Custom theme that is displayed on the outside door is shown on the inside door by having red dot floating on top of the theme color.
**Before**

Door is unlocked and closed. Unlock is shown as green with lock shown facing away from the position of lock. User now will close the lock by pressing the green icon of unlock.

**After**

Door is locked and closed. Lock is shown with black colored icon. User can unlock the door, by pressing the black icon of the lock.
Before

Inside

Outside

User is standing inside the door, and is looking at himself. User wants to see the full screen view of himself so he clicks on the full screen icon.

After

Inside

Outside

User has now full screen view of himself. User can click on the shrink size button to make screen in regular size(small).
Before

Inside

Outside

Guest is standing outside the door. And the user inside wants to view the live video of outside guest in full screen.
User from inside will click on the full screen button.

After

Inside

Outside

Guest's live feed is showing on full screen in the inside door.
The user inside can close the full screen view by clicking the shrink the size button.
**Before**

Inside

Outside

User wants to press an emergency button due to an emergency at home. This should alert the local emergency unit on to come to the location of this house from which they got signal from.

**After**

Inside

Outside

User will have 5 seconds countdown, if the button is pressed accidently or they can specify which sort of emergency is really urgently needed.
Before

Inside

Outside

User wants to press a house alarm due to an emergency and he wants to inform the local police unit.

After

Inside

Outside

User has pressed the house alarm button. On the app screen, there will be a display that will say that house alarm activated. The message will reset after 30 min automatically. User can also deactivate if the alarm is pressed accidently.
**Before**

User has Camera app open.
User wants to allow outside user to be able to see him through door.
By default, block camera view to outside, so if the user inside wants to be seen through the doors to outside user, he must press the allow camera to be enabled.

**After**

User has pressed the enable camera view to be seen through the door to the outside user.
User from outside can see the user inside the door.
User is standing in front of door. He has tapped and held the Photo icon for three seconds, and the submenu has opened.

Submenu suggests user to select which Background they would like to change, inside or outside.

By default, by tapping this icon without holding, will take user to change outside background.

User will be able to select the theme for the inside door. User can also go back to the main app page by clicking the back arrow button.
**Before**

User wants to change the theme of the inside door.
User has gotten here by holding down on the Change Background and selecting inside.
User wants to change the theme to Christmas.

**After**

User has selected the Christmas theme and it is shows in the background of the Inside door.
Also, the theme is marked with red highlight around the theme name.
**Before**

User is standing in front of the inside door and wants to change the door bell chimes. User can set the door bell chimes from the apps in the Setting menu.

**After**

Chimes app opens and user can click on the chimes and they will be able to hear the chimes they click for 5 seconds preview. The chimes they select to play will be the one that is set. The chimes that is selected will be outlined/marked by blue colored circle. User from outside the door can press the door bell sticking on door right above the door knob.
**Before**

App: Weather
User is standing in front of the front door.
User wants to see current weather, and it can be seen all the way on top.
Now user wants to see the detailed weather for the city he wants.

**After**

User has clicked the Weather app on home screen.
The inside door is displaying the detailed weather in the app screen.
Before

Inside

7:00 AM
Monday, Friday 25

Outside

User is standing in front of the door inside.
User wants to know the current time and date of today.
User can see the current day and time from the top of the door and that will always be on.
User wants to check the detailed schedule or a monthly calendar, then user can click on the calendar app in app menu.

After

Inside

7:00 AM
Monday, Friday 25

Outside

User is standing inside the door and has opened the calendar app.
User now can see the whole monthly view of the calendar.
**Before**

**Inside**
7:00 AM
Monday, Friday 25

**Outside**

User is standing in front of the door from insider and wants to check the stock market price of a stock or check his portfolio on fly.
User will click the stock market app.

**After**

**Inside**
7:00 AM
Monday, Friday 25

**Outside**

User has clicked the stock market app and can see the stock market price of the major indices by default or he can customize which stock he wants to see by searching stock through this app.
User can click the back arrow button to go back to Home.
**Before**

User is standing outside and wants to leave a note for the user living inside the door. There are currently no notes on the door from outside.

**After**

User is standing outside and just left a note. The note app from inside got a notification bubble reading how many notes were left from outside.
Inside user sees the notification on the Notes app.
Outside user has left a note saying UPS was here.
The number inside notification bubble indicates number of notification left from inside or outside.

Inside user has opened the app from inside to see the message left from inside or outside.
The Notes has two section inside or outside.
The outside user has left a message.
There is an outside user waiting who has rung the bell. There is a user inside who does not wish to talk but want to send text message through the inside door to outside door.

Inside user has opened the app to chat. Inside user has sent message "Who are you?" Outside user has a chat window opened from outside that allows them to read or write message. Inside user can simply close the app by hitting the back button.
Before

Inside

Outside

There is an outside user waiting who has rung the bell.
There is a user inside who does not wish to talk but want to send text message through the inside door to outside door.

After

Inside

Outside

Inside user has opened the app to chat.
Inside user has sent message "Who are you?"
Outside user has a chat window opened from outside that allows them to read or write message.
Inside user can simply close the app by hitting the back button.
User wants to change the avatar of themself so when they wish not to show themself to outside user they can choose this avatar to communicate through to outside user.

This is what the inside user sees when they open the avatar app. User can select the avatar to represent themself. Default is the highlighted one and the chosen one will also be highlighted in pink.
**Before**

User wishes to customize the avatar through the custom option. User can also go back to Home by pressing back button.

**After**

User can select the shapes of all the facial features by selecting the appropriate option. After user has selected the avatar they can click on the save option on lower left corner and then hit back button to return to main menu of avatar.
**Before**

**Inside**

7:00 AM
Monday, Friday 25

**Outside**

- User is standing outside and wants to ring a bell.

**After**

**Inside**

- 7:00 AM
  - Monday, Friday 25
  - Wireless signal icon

**Outside**

7:00 AM
Monday, Friday 25

- User standing outside has pressed a bell.
- In the inside door, there will be sound heard loudly and there will be a sound notification flashing on the top of the door to indicate that someone has pressed the bell from outside.
Before

User is standing in front of the inside door. User wishes to change the language of the interface. User can get to this screen by pressing Setting buttons.

After

User has selected Change Language application. User can select the language as any of them listed here. Defaulted is highlighted with blue.
Users is standing inside and wishes to change language from the Language but the language he wishes to change to doesn't appear in top most listed, hence he will click More, to see additional languages.

User has selected More languages option and additional languages are listed here. User can click on the down arrow to see more languages.
User wishes to change the time zone for the clock. Changing time zone from this app, will change the timezone for inside and outside.

User wishes to change the timezone to Central. The selected timezone will be highlighted with blue outline. User can see more timezone by pressing the down arrow.
Before

User is standing inside the door and wishes to see if the door is closed or open. Outside use should not know this hence, it won't be shown outside for security reason. Current status of door is that door is open.

After

Current status of this door is that the door is closed.
Before

Inside

7:00 AM
Monday, Friday 25

Outside

User is standing in front of the door with a smart phone with him. As soon as he goes near a door To-Do List app pops up that is synced with his phone.
A cell phone near the door is shown by a human hand holding a cell phone on right side of the door knob.

After

Inside

7:00 AM
Monday, Friday 25

Outside

To-Do List app is opened by user and he can make a list of the things he would like to do or cross off the things that he has finished.
User has stepped closer to the door as he is walking out and sees To-Do App has two notification bubble. That indicates that he has forgotten to complete two task which are overdue. User will now open the To-Do App.

User has opened the To-Do App and the two tasks which are past overdue, are shown with a rounded rectangle surrounding the overdue task. User can either discard those task or complete it and manually change the task to Finished.
User is standing in front of the door and he is coming closer to door with cell phone and his daily planner app shows up on the door app list. With this app, he can see his today’s appt list or schedules for today. User coming with cell phone near door is indicated by a human hand holding a cell phone on right side of the inside door.

User has opened the Daily Planner app and he can see his today’s schedule or appointment. User can go back to Home screen by clicking back arrow button.
When the user appears next to the door, the Daily Planner will have a notification bubble with the amount of events or appt for the day. The current scenario lists out four events for the day.

User has opened up the app to see the four events or appt for the day so he can get an idea how his day will revolve around today. User can click the back arrow button to go back to the home page.
User is standing in front of the inside door. User wishes to add a new user with new password.

User will need to get the new user close to the door with their phone and the door will detect the cell phone's RFID number and add the user with that. Then the new user will have to click Change Password to set new password for future uses.
**Before**

User is standing in the inside of the door and wishes to change the password.
This newly changed password will be one of the key to enter the house if he doesn't want to use the door knob.

**After**

This shows screen shows that user can set the password this way.
The password will be numerical between 6-10 digits combination.
User can go back to the Accounts options page by clicking back arrow.
**Before**

User is standing in front of the inside door and wishes to add guest or modify the password of the current guest account. Guest account can be used by user like maid or paying guest or closed relative who visits frequently and can be trusted.

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**After**

User can add three separate guests account. User can go back by pressing back arrow.
User is standing behind the inside door and wishes to change password of the guest account due to security reason. User can click back arrow to go back to the Accounts page.

User can change the password of the guest account though this key pad. The password has to be between 6 to 10 digits numerical. User can go back to the Guest page by clicking back arrow. The password set here will be used by the outside user to get inside the house.
**Before**

User is standing outside the door and wants to get in the house. The inside door indicates that the door is locked. The outside user will try the correct login pin code to enter the house.

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**After**

The user standing outside the door and has correctly entered the pin code and user has granted the access. The inside door can be seen with green unlocked icon.