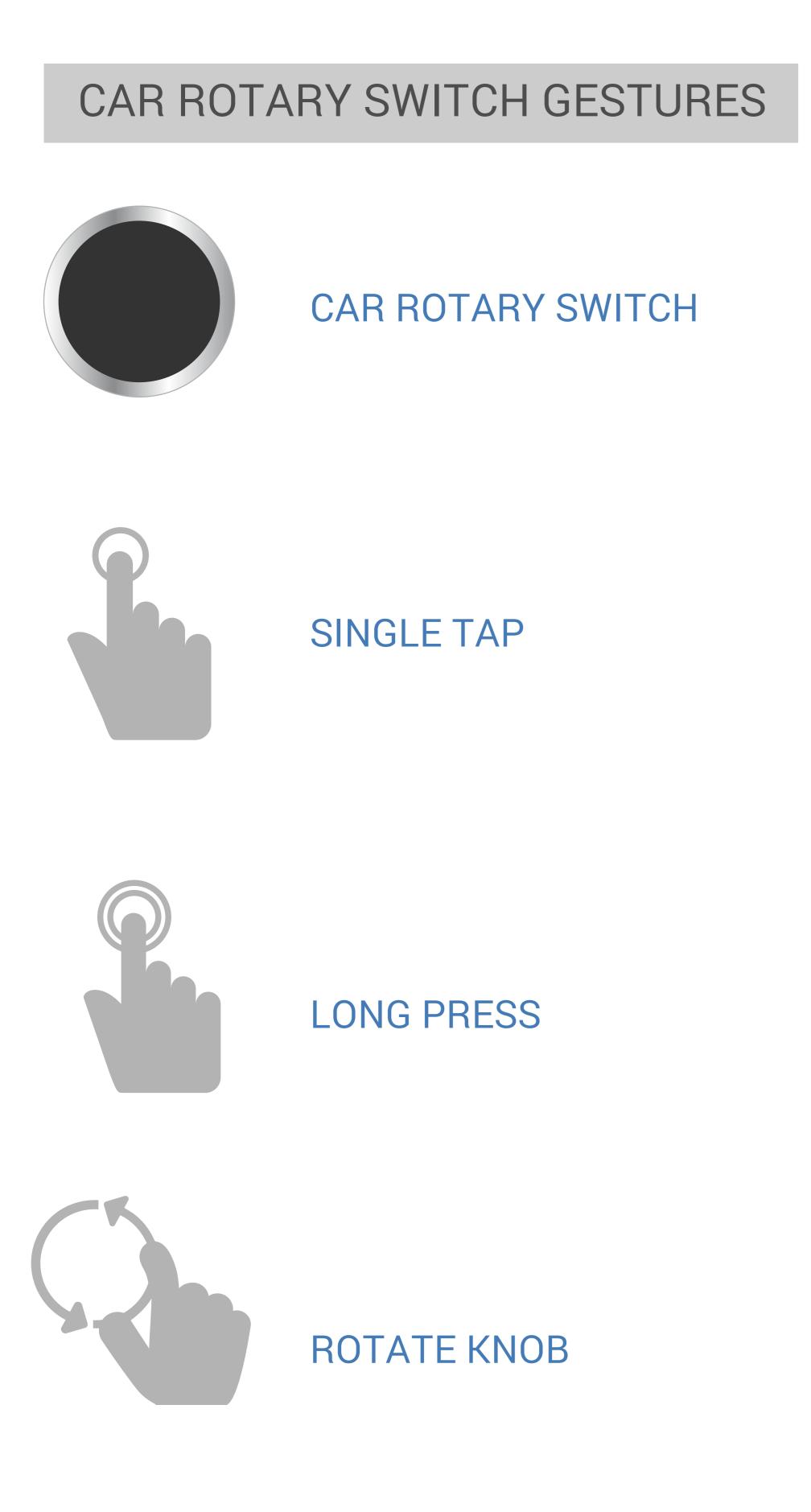


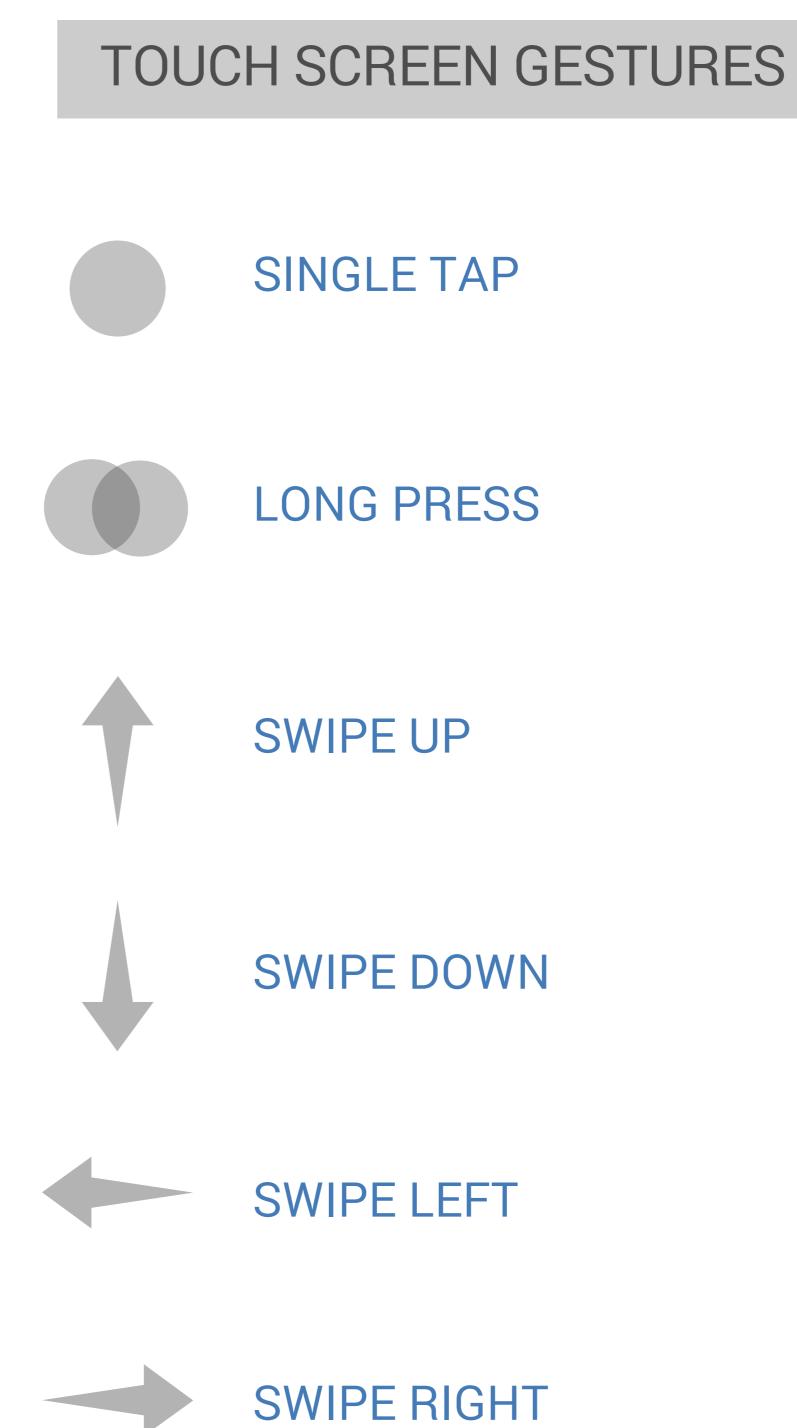
# Android Wireframe

Connected car Version 3, Nov 14, 2015



### **UX** GOBAL INTERACTION





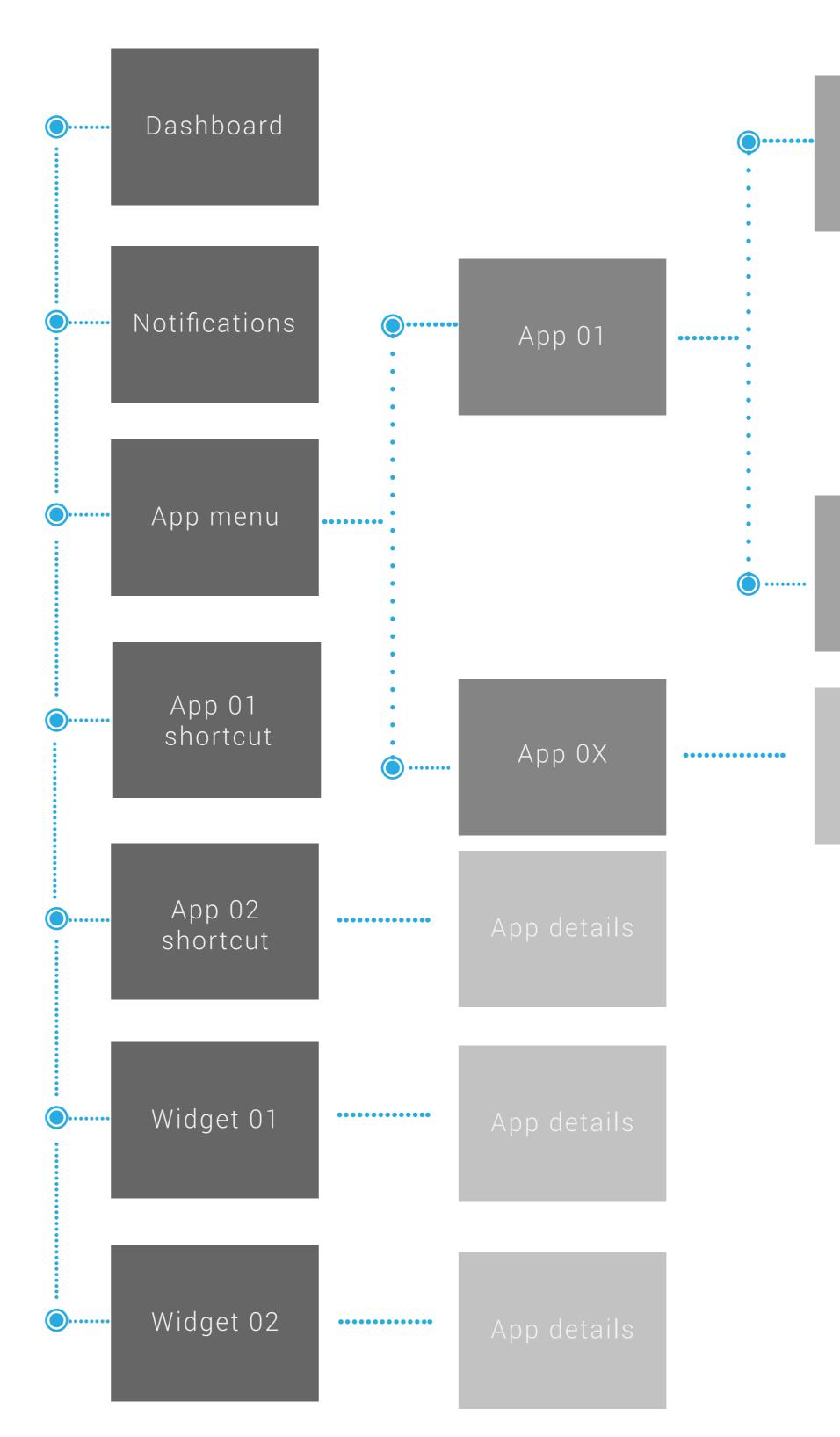


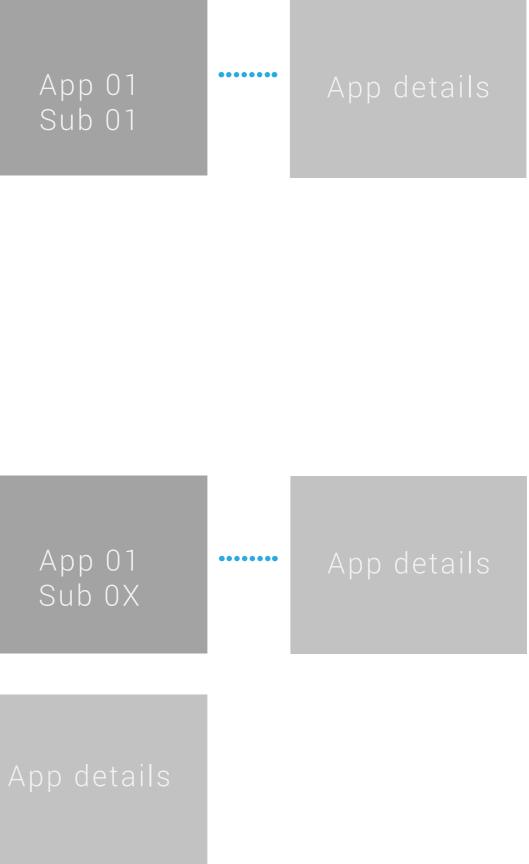


#### **USER FLOW**

This user flow created based on seamless experience to the user.

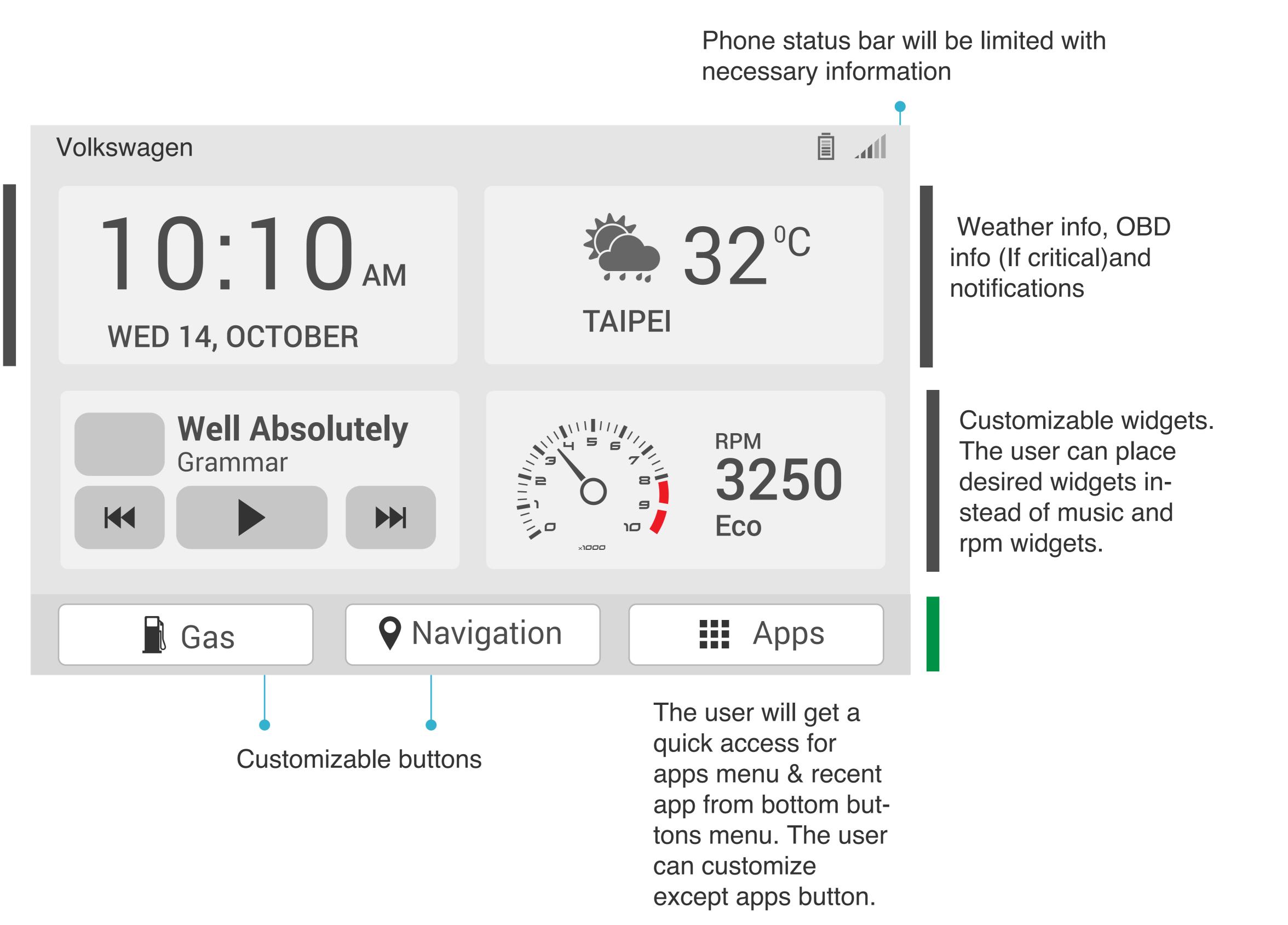
Dashboard, Apps menu, and apps laid out one after the other to experience a uncluttered user experience







### DASHBOARD

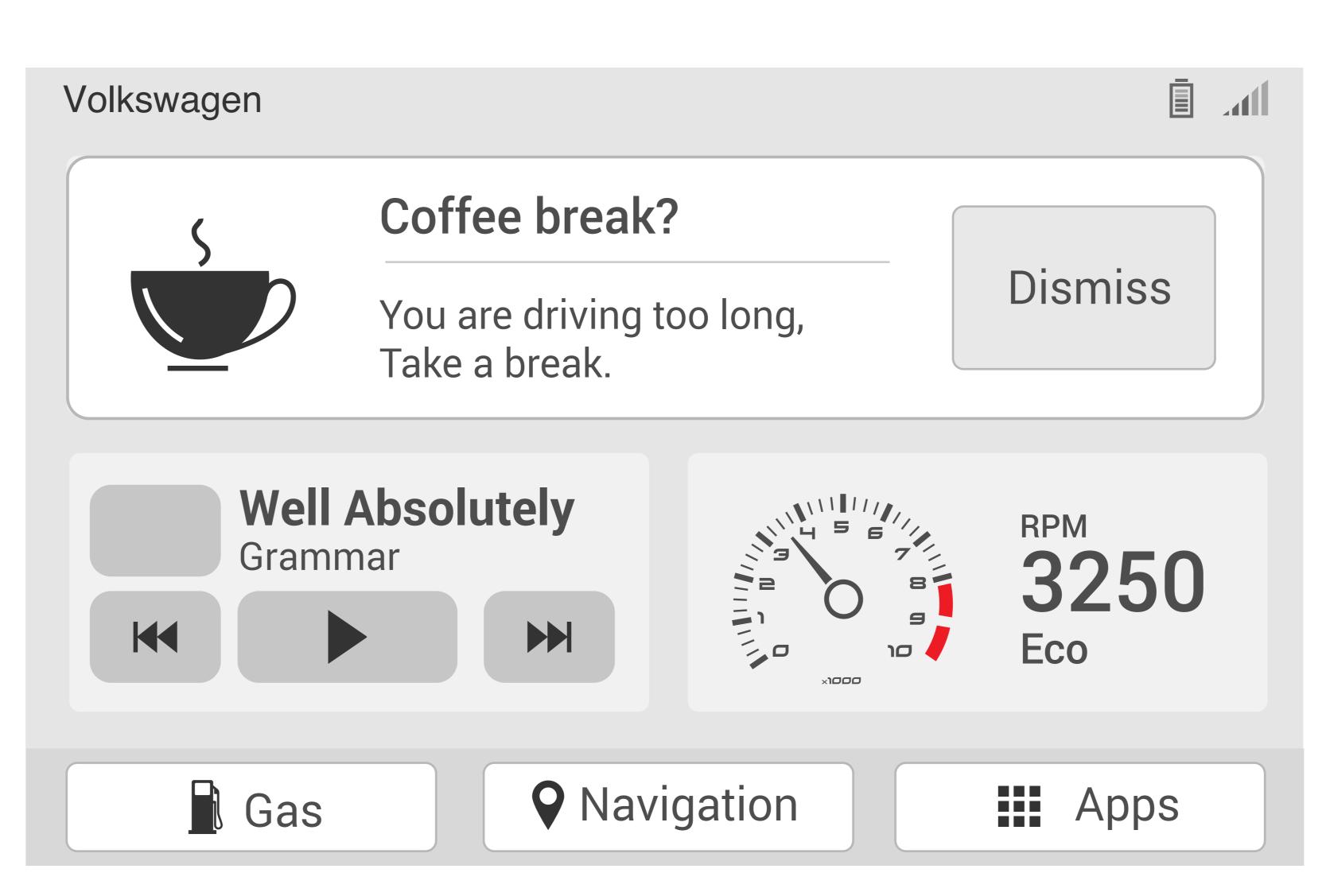


#### Display time & date



## DASHBOARD - INCOMING NOTIFICATION

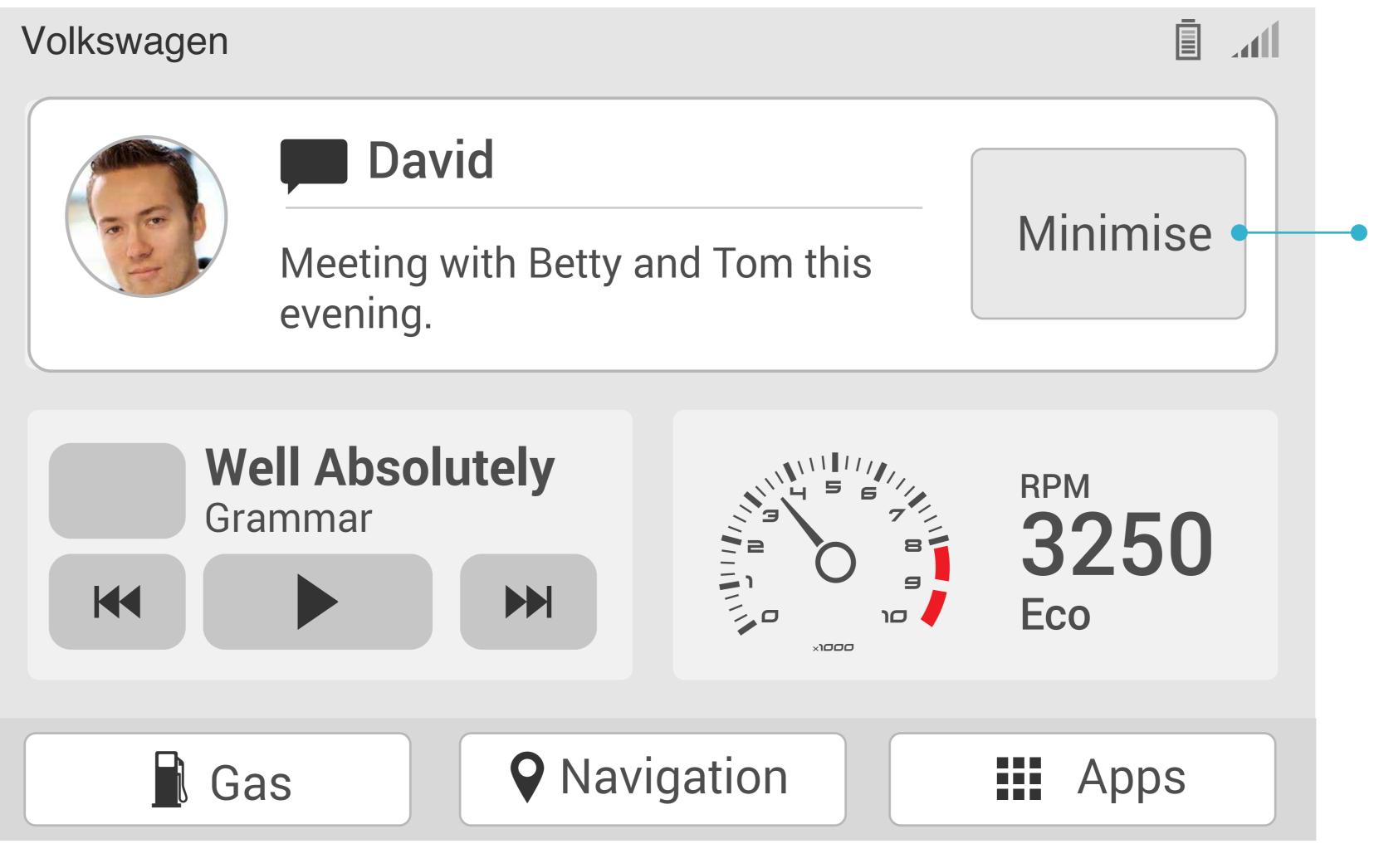
The user gets notified to take a break. User can tap on dismiss to ignore it or if user takes a break (car turned off) for a while, it detects and removes the card





## DASHBOARD - INCOMING NOTIFICATION

The user gets notified as he receives a new notification.



Auto dismiss action removed from notification

As per CCC guidelines, section 6.3 Notifications SHALL NOT be removed until dismissed by the user. Time-sensitive information (such as turning instructions) MAY be dismissed automatically if the information is no longer relevant to the current activity.

#### Option1

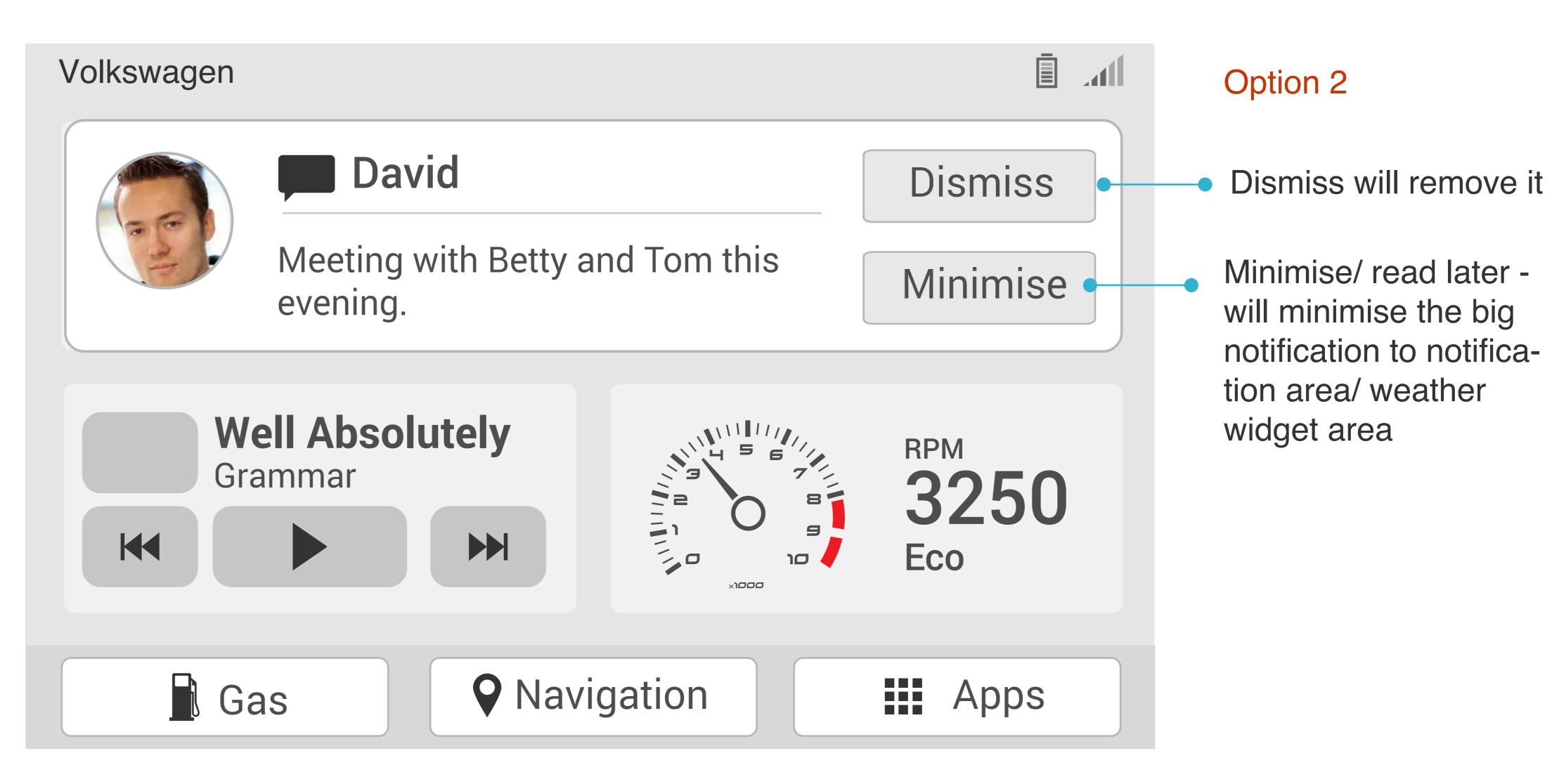
Minimise/ read later will minimise the big notification to notification area/ weather widget area

To dismiss the notification, swipe right or left.



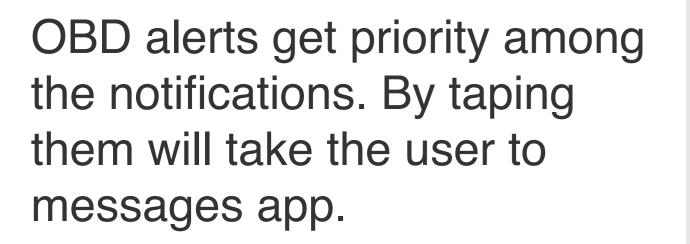
## DASHBOARD - INCOMING NOTIFICATION

The user gets notified as he receives a new notification.



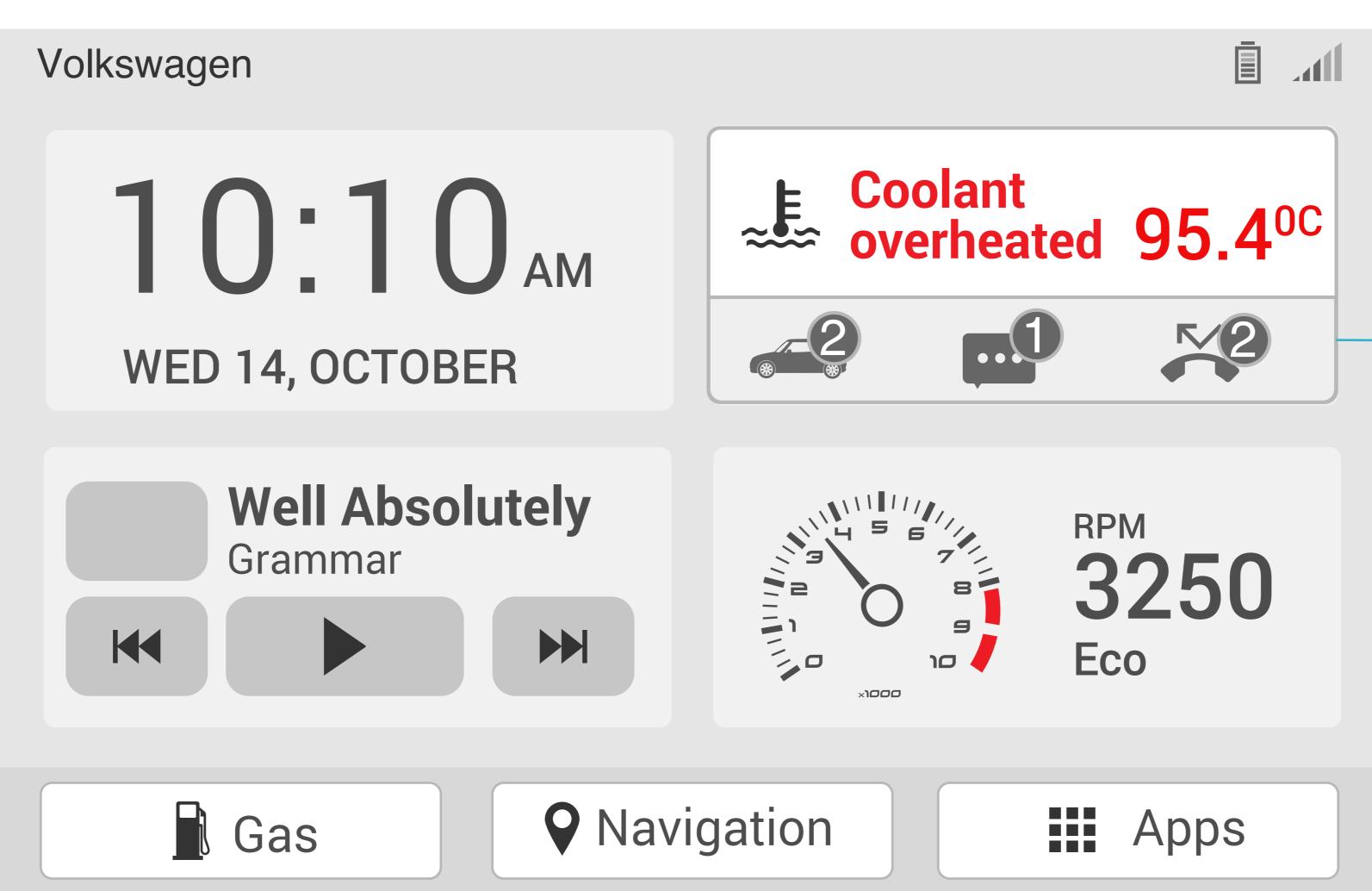


## DASHBOARD - MULTIPLE NOTIFICATION



Notification priority

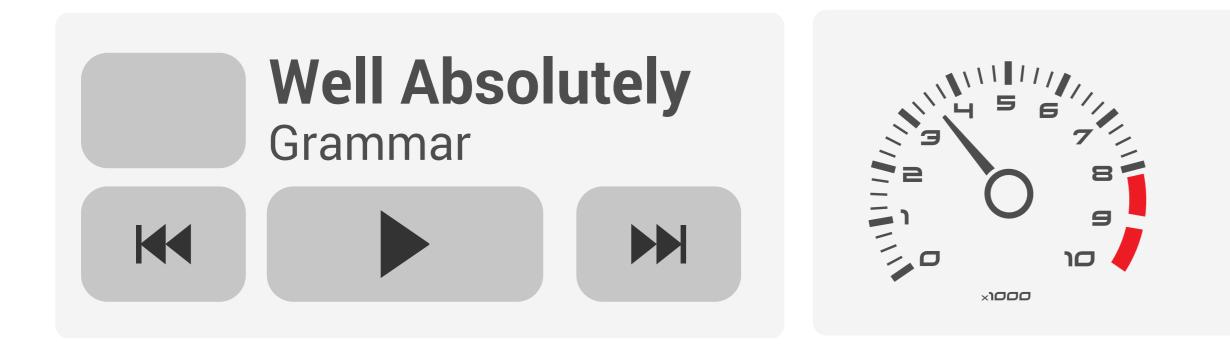
- 1. Diagnostics
- 2. Coolant level
- 3. Engine oil
- 4. Battery Level
- 5. Tyre Pressure
- 6. Gas Level
- 7. Other notifications (SMS,
- Call etc...)



Shows unread notifications in category - OBD, Msgs, missed call and service



### **ADDTIONAL WIDGET**



Volkswagen

# 10:10WED 14, OCTOBER

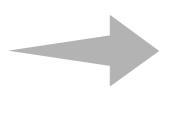
RPM 3250 Eco

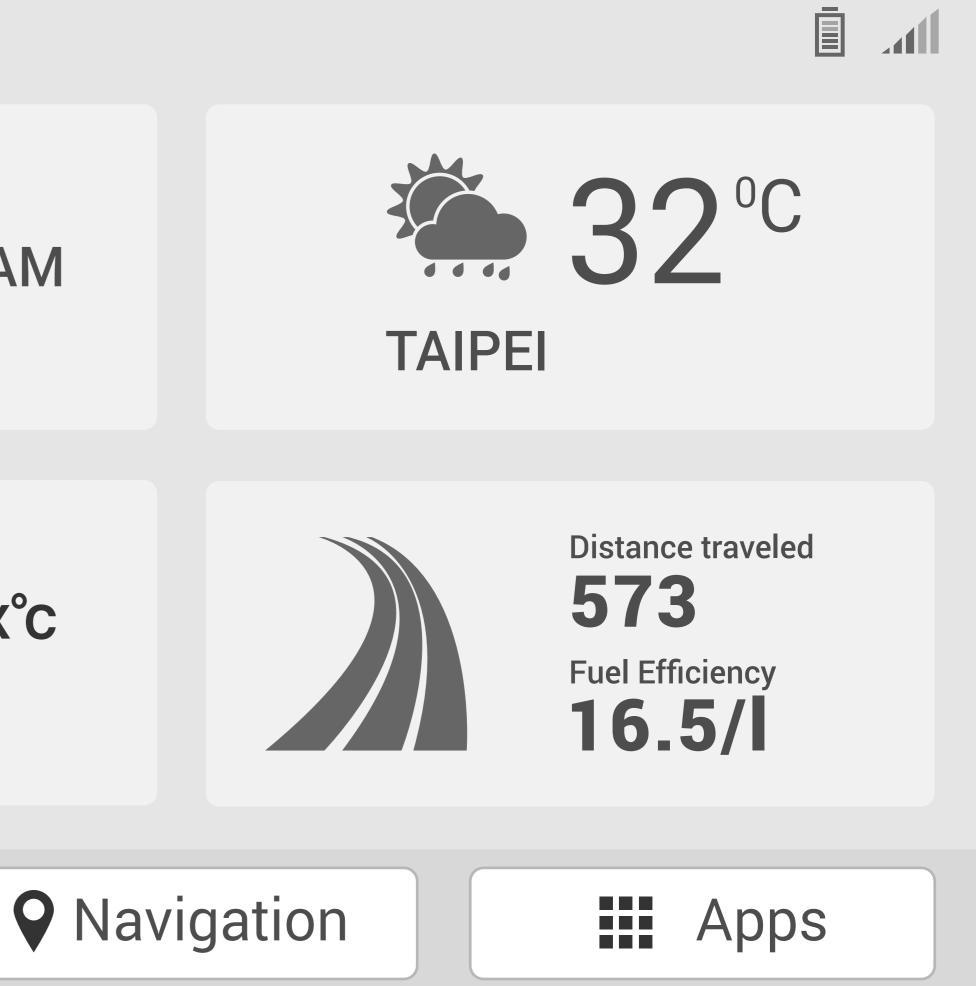


Engine

Coolant temp - X°C Oil temp - X°C

Gas





- Swiping to right/left, user can view more widgets. Only bottom
- two widgets keeps changing. Swipe again to view prev widgets

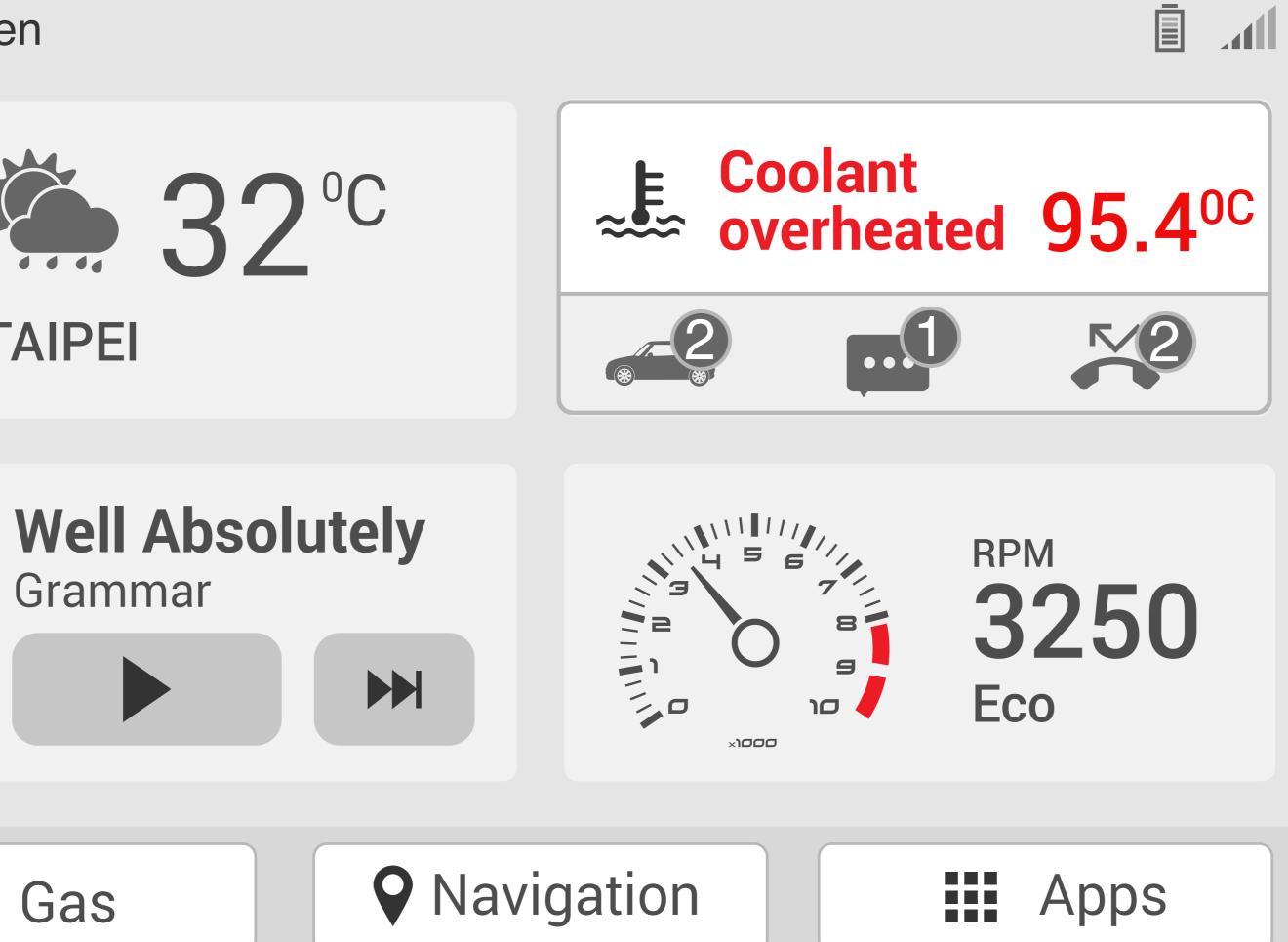


## DASHBOARD - DATE & TIME WIDGET - OPTION

Notification will be an overlap on weather widget. There should be an option for user to view weather and location.

Volkswagen 3 TAIPEI Well Abs Grammar Frammar

Tapping on the date & time widget will load weather widget. Tapping on it again shows loads date & time widget





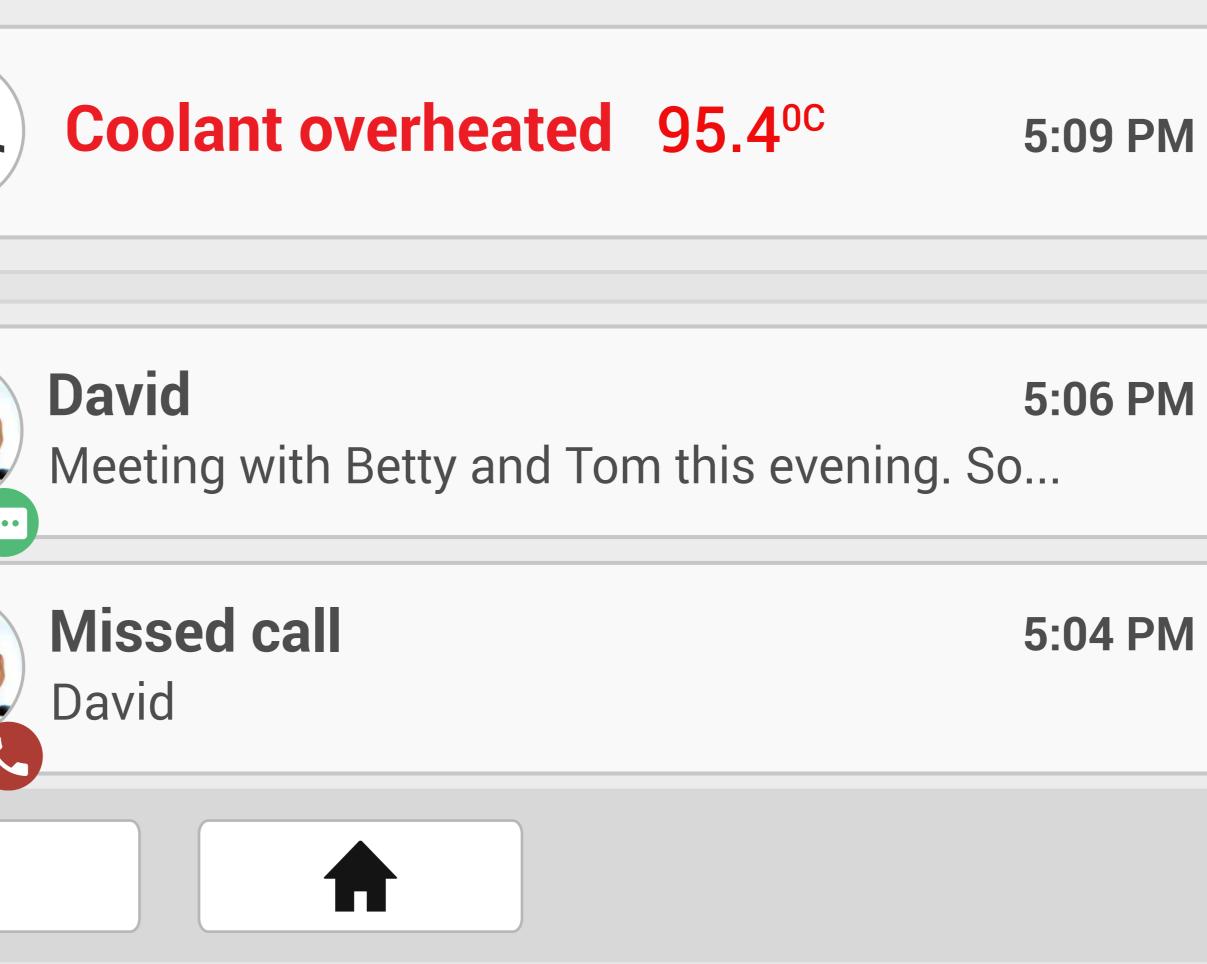
### DASHBOARD - MESSAGES APP

1. OBD alerts

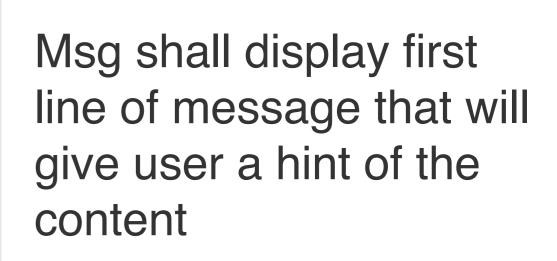
**Æ** 

#### Back - to prev screen Home - loads dashboard

- Notifications get categorized in three groups-2. Msgs and calls displayed based on time
- 3. Service notifications



- Notifications OBD, SMS, calls and service
- User can swipe right to dismiss the notification
- On tapping on notification, the details/more text can be read

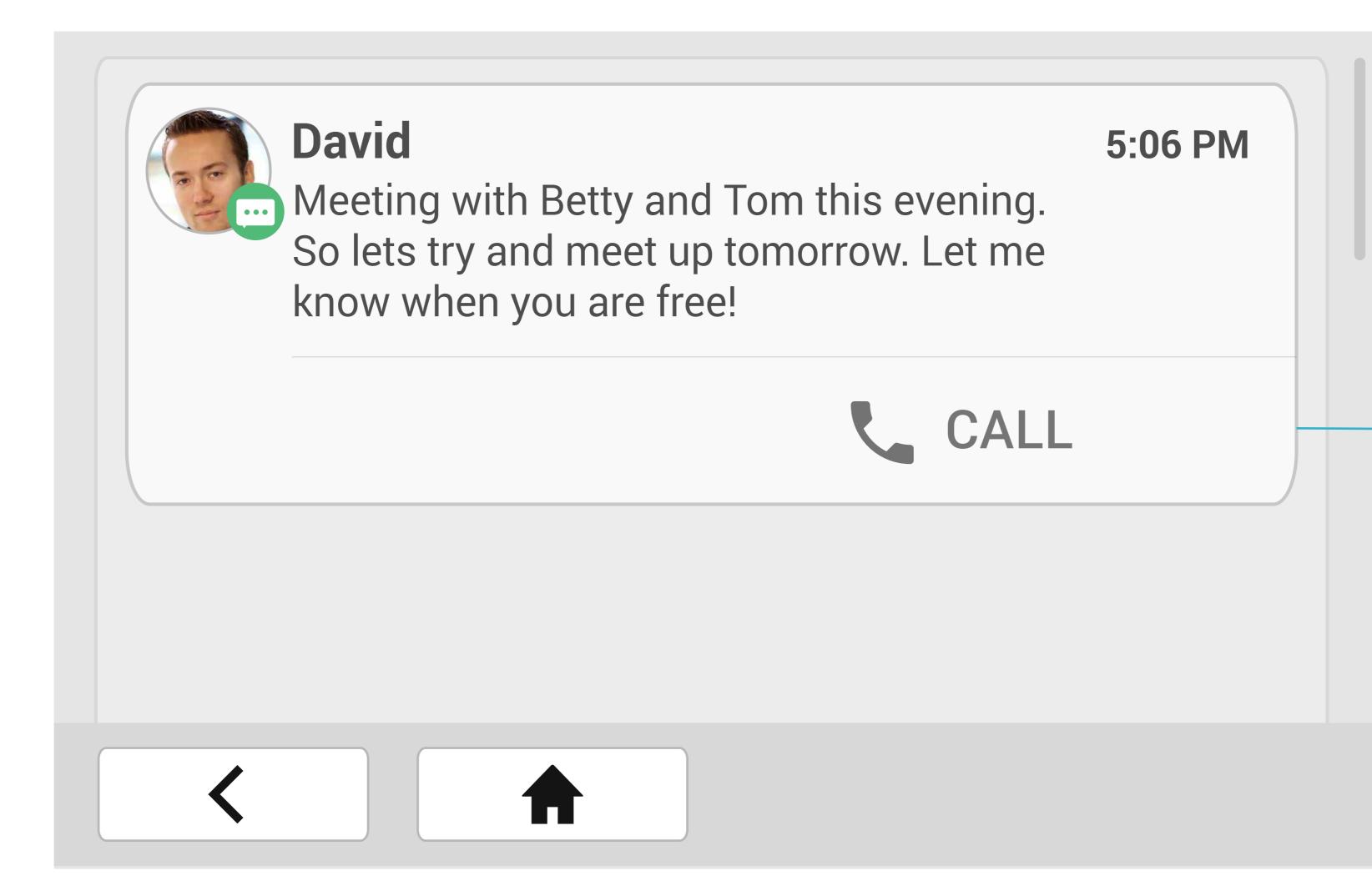






## DASHBOARD - MESSAGE DETAILS

Tapping on msg notification to see msg details.





Option to call the contact person - Tapping on call initiates call and "calling" screen loads

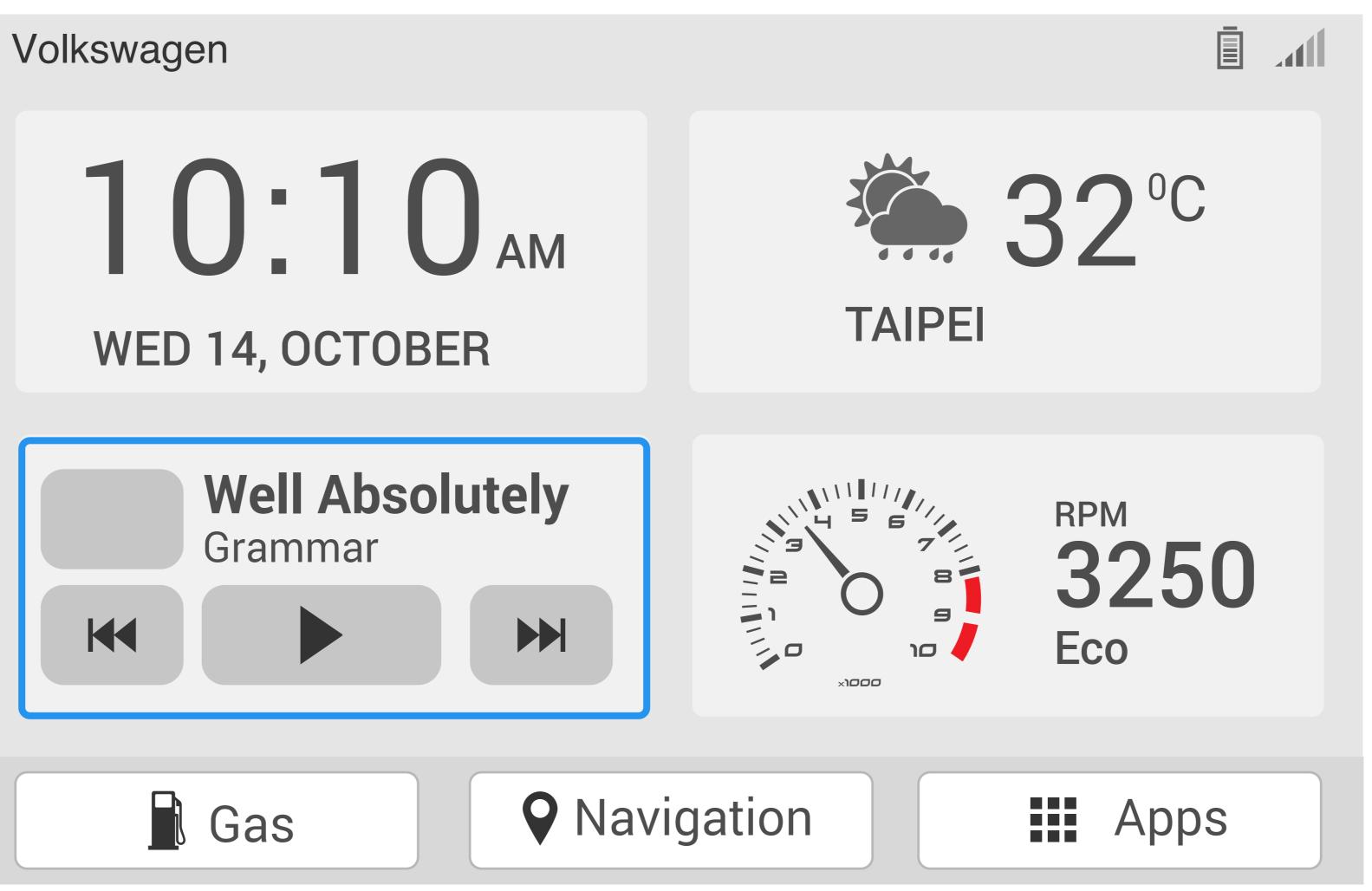
Since a msg is considered read here, it will remove this notification from the list



Customisation available only on park mode

For non-touch screen, customisation is available on phone only

The user can long press on customizable widgets(Bottom 2) and change to the desired widget from list.



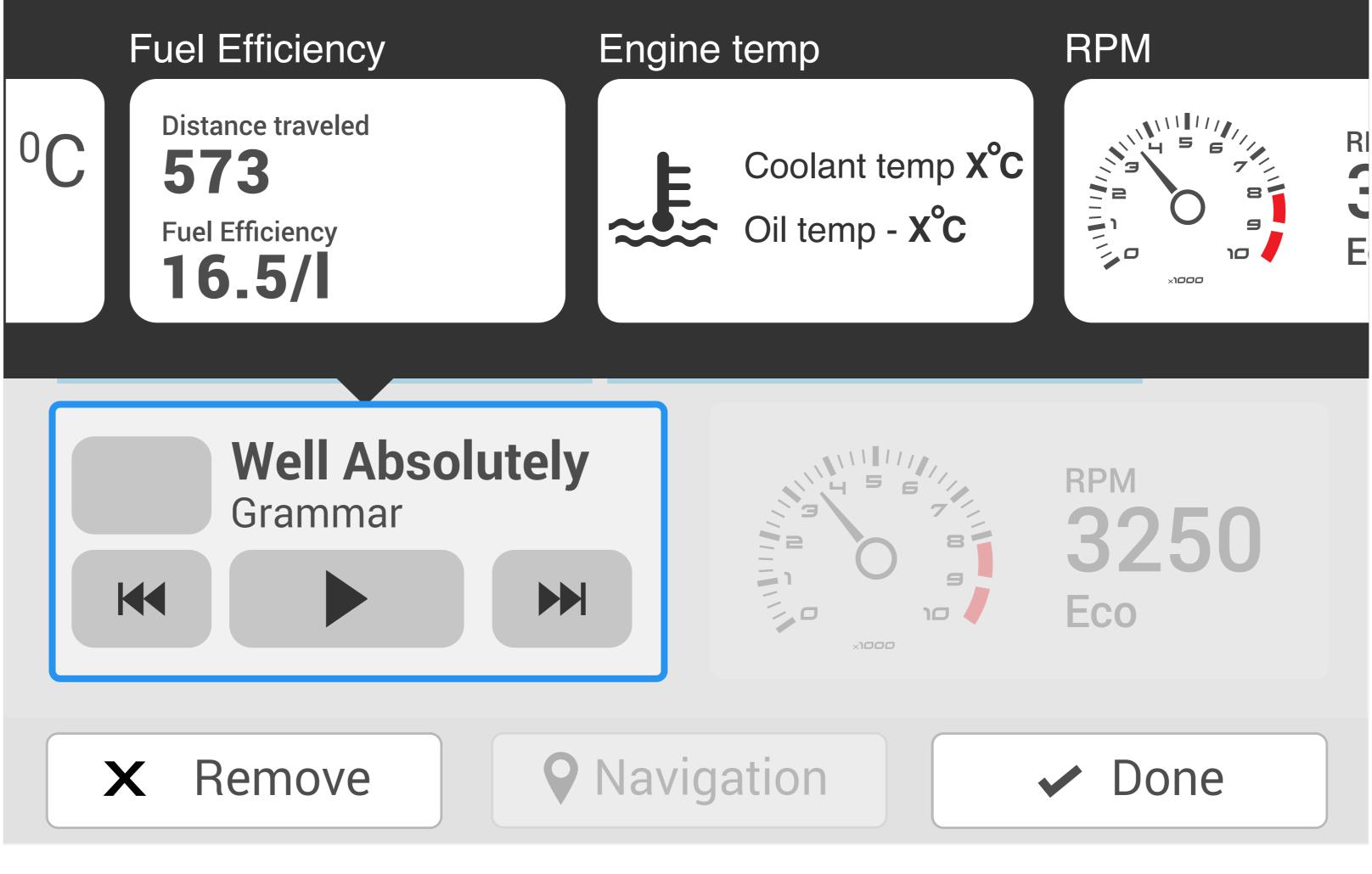






#### Tapping on other area/done will leave the edit mode

The user can scroll right/left and tapping on the desired widget from the list will give a preview on the widget area.Tapping on done confirms the action.

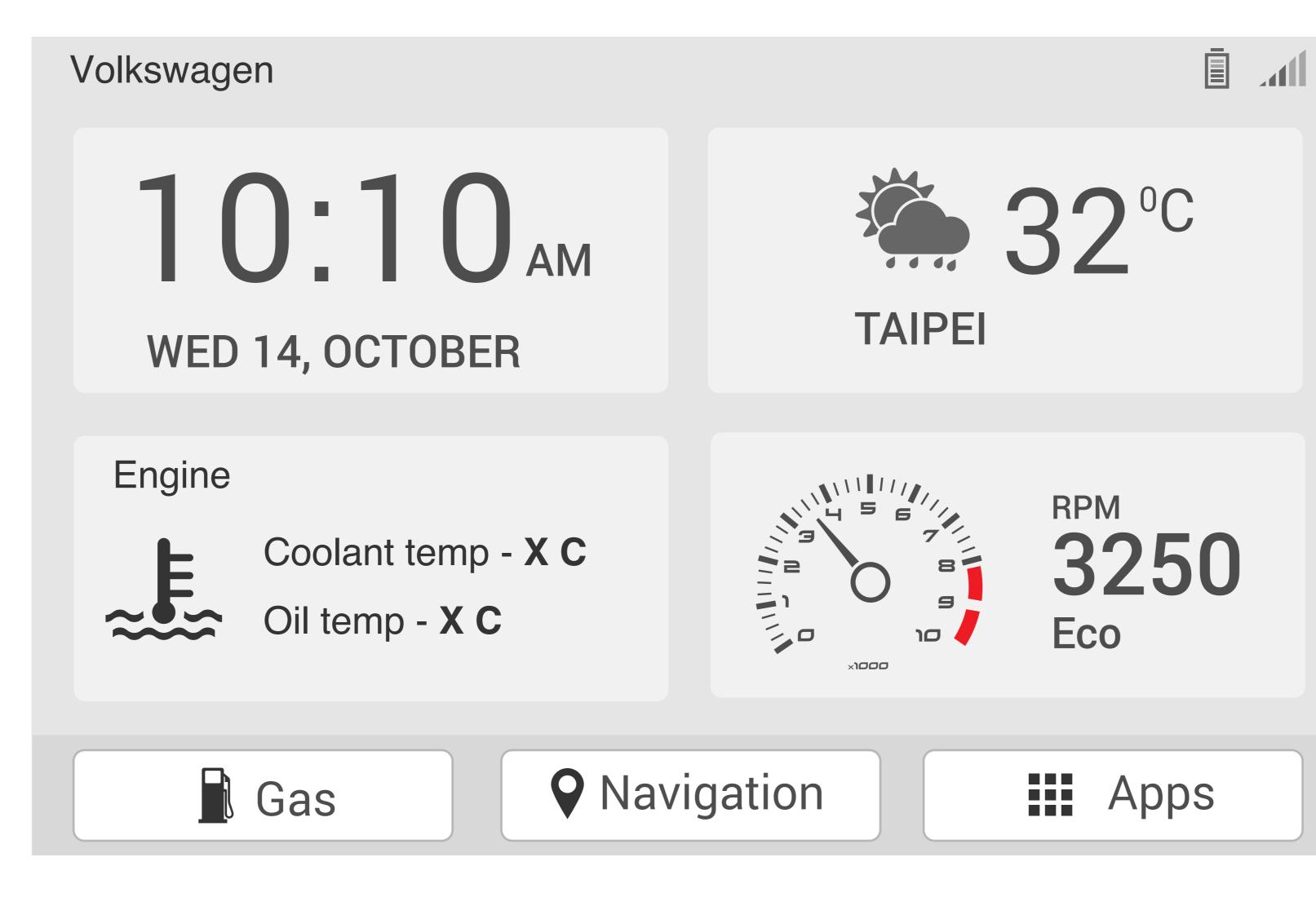


Once interface change into 'editing mode,' all the other widgets (except the selected widget) and buttons will get inactive. Apps button will change to 'Done' button for exiting edit mode and "Remove" to remove selected widget



User can change the location by dragging to desired location, even to next page





After finish editing, new widget will be displayed on home screen.





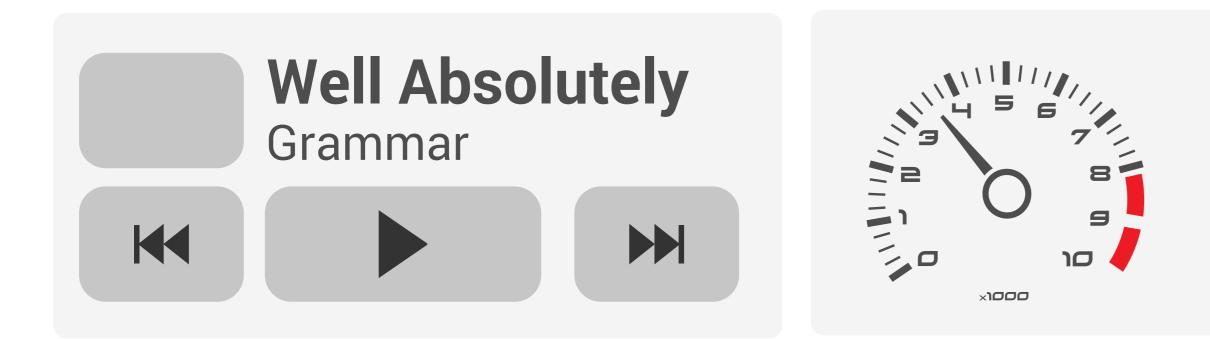


## **CUSTOMISING ADDTIONAL WIDGET**

User can add only 4 widgets(2 each page). By default, 4 widgets will be added. User can swipe right/left to view next set of widgets.

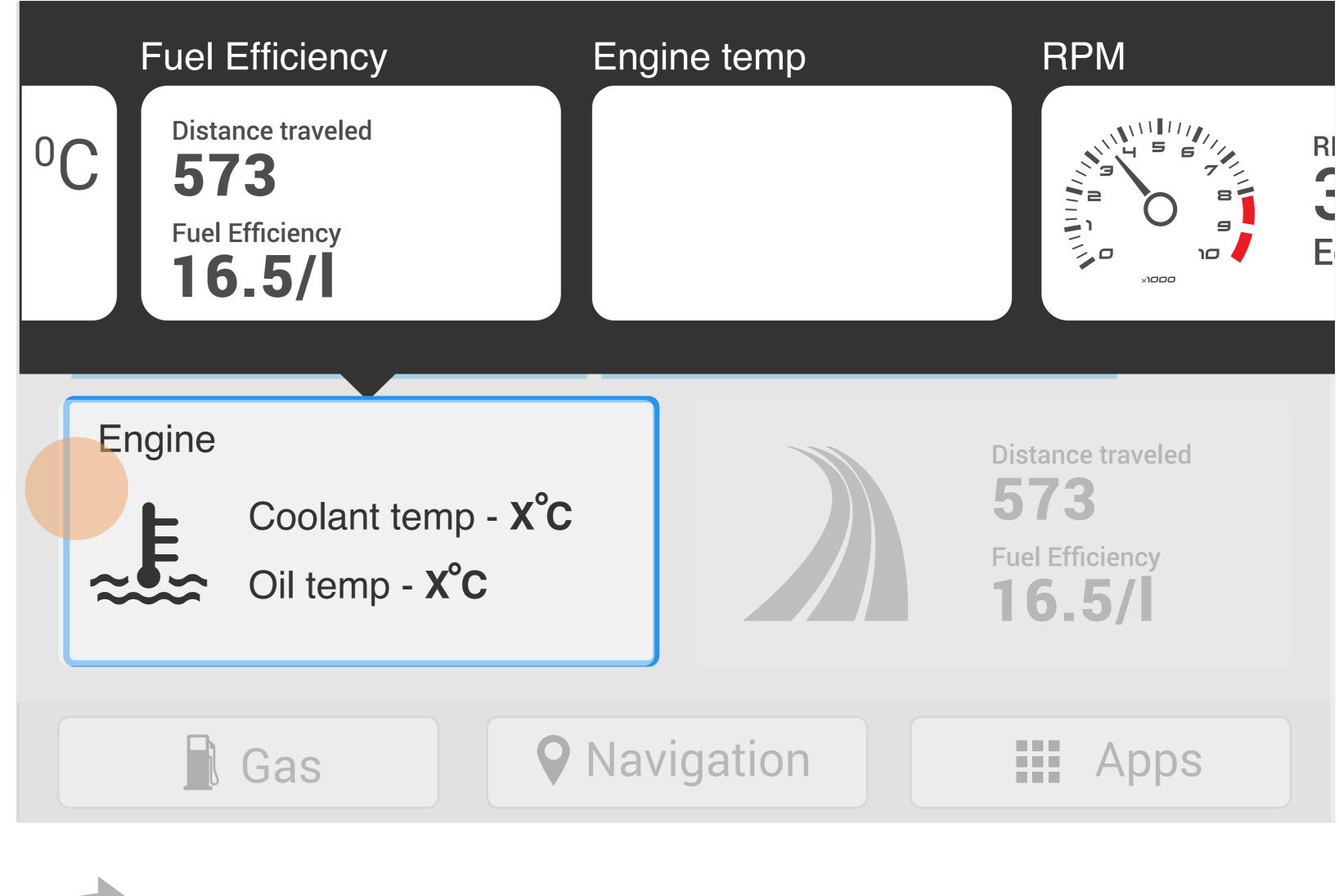
To edit any widget, user can long press and edit.

To drop a widget from one page to other, long press and drag it to corner of the screen (will load next page) and drop it to next page (like in android). Long press engine widget and drop it on RPM widget, both widgets swap position



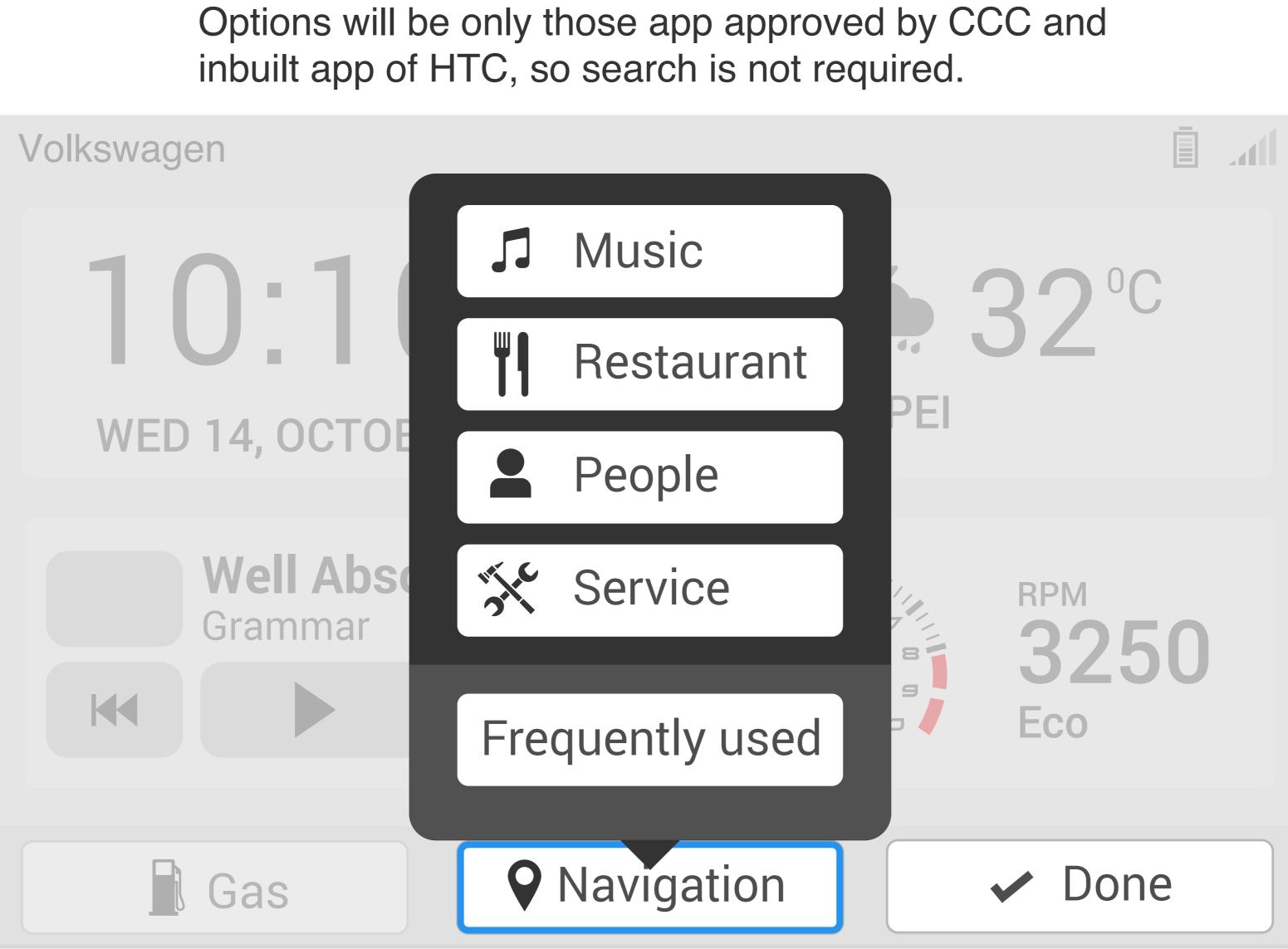


RPM 3250 Eco



- Swiping to right/left, user can view more widgets. Only bottom
- two widgets keeps changing. Swipe again to view prev widgets







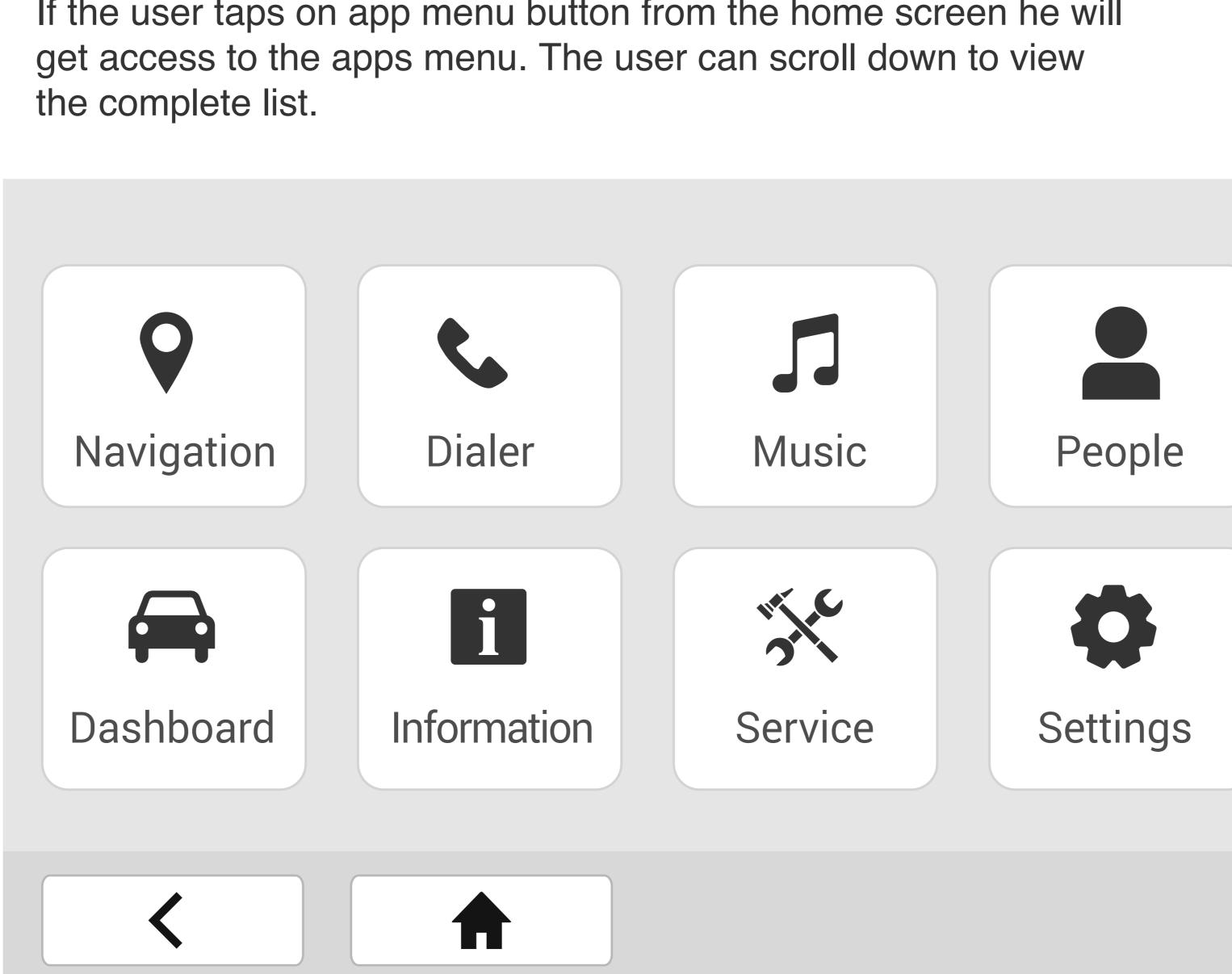
The user can long press choose desired button.

User should not be able to add apps that are not approved by CC because in drive mode it will be disabled and purpose of shortcut goes waste.





### **APPS MENU**

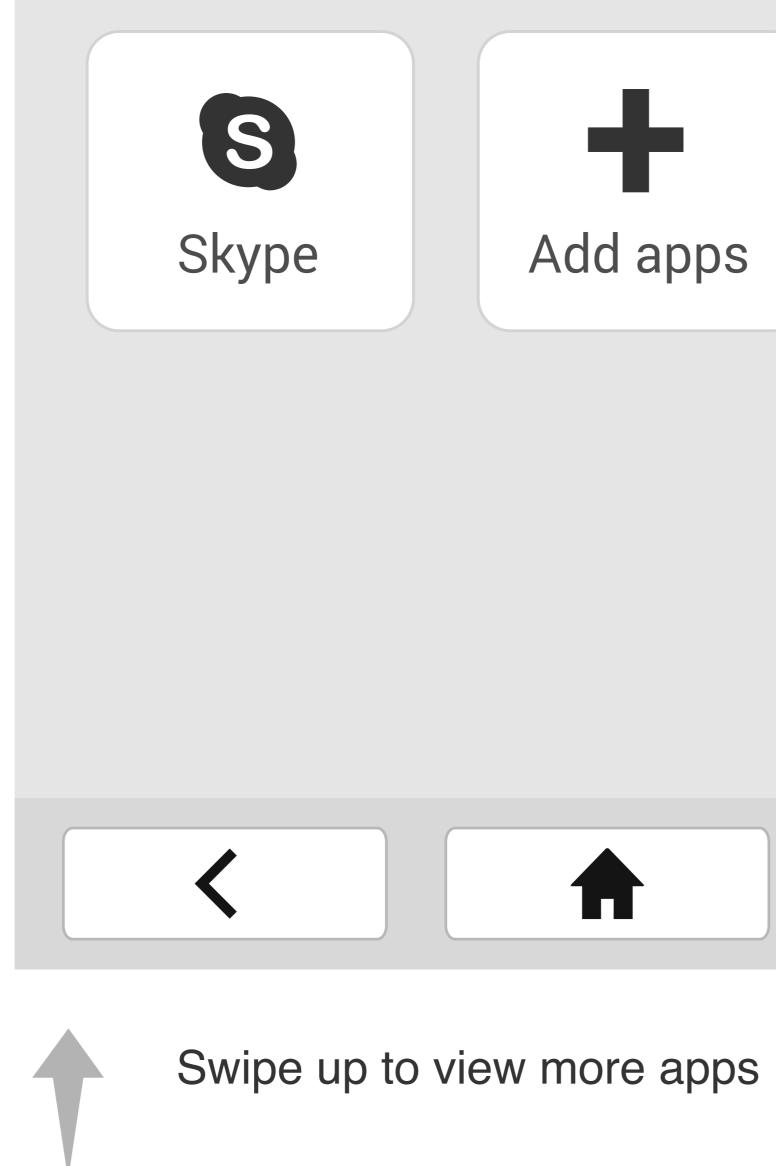


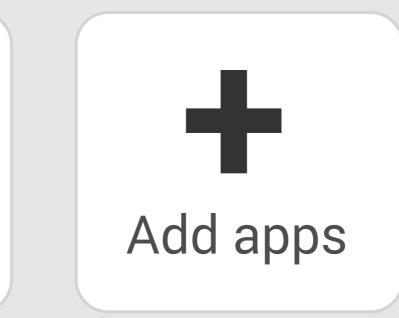
If the user taps on app menu button from the home screen he will





#### **APPS MENU**

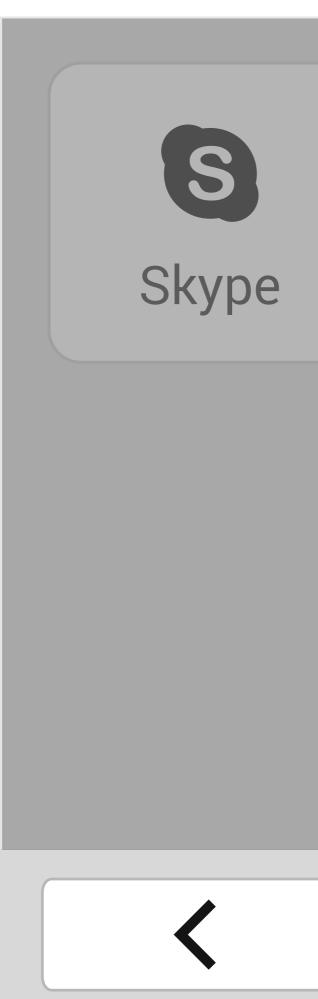






### ADDING NEW APP

# On tapping of from phone



On tapping on add apps, user gets a pop-up to choose the app

Q	Search	I
Ţ	Hangout	
f	Facebook	
9	Maps	
9	Chrome	
_		

List is smaller in landscape, but in portrait, it can accomodate 9 at once. Since the customisation is not available in drive mode, it is most likely that user will add apps in portrait mode on phone.



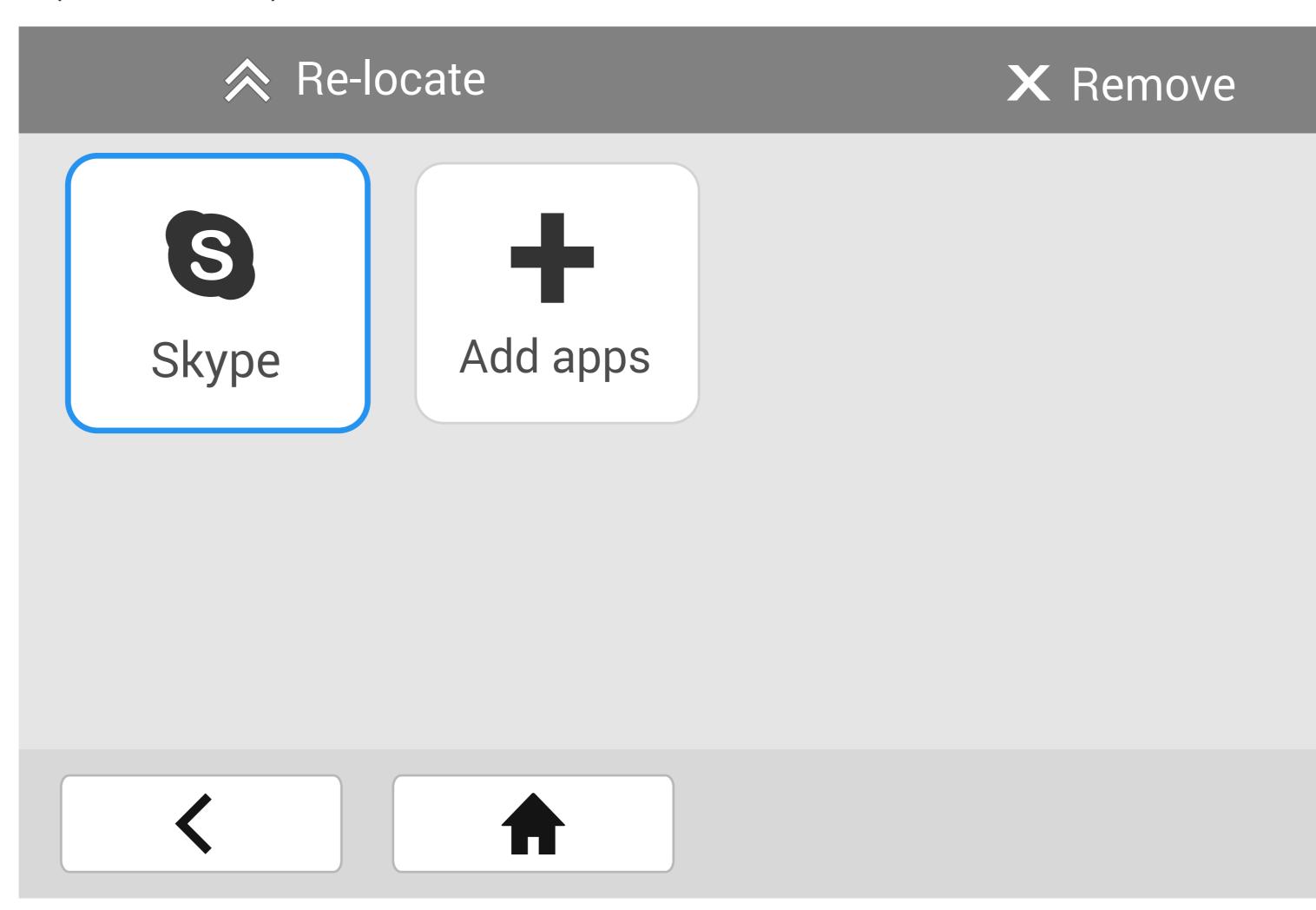


#### **REMOVING AN APP**

To remove - Long press and drag the app icon to remove icon

Re-locate - After long press user can drag and drop the app icons anywhere on the same screen/ take it to next screen by dragging it to re-locate

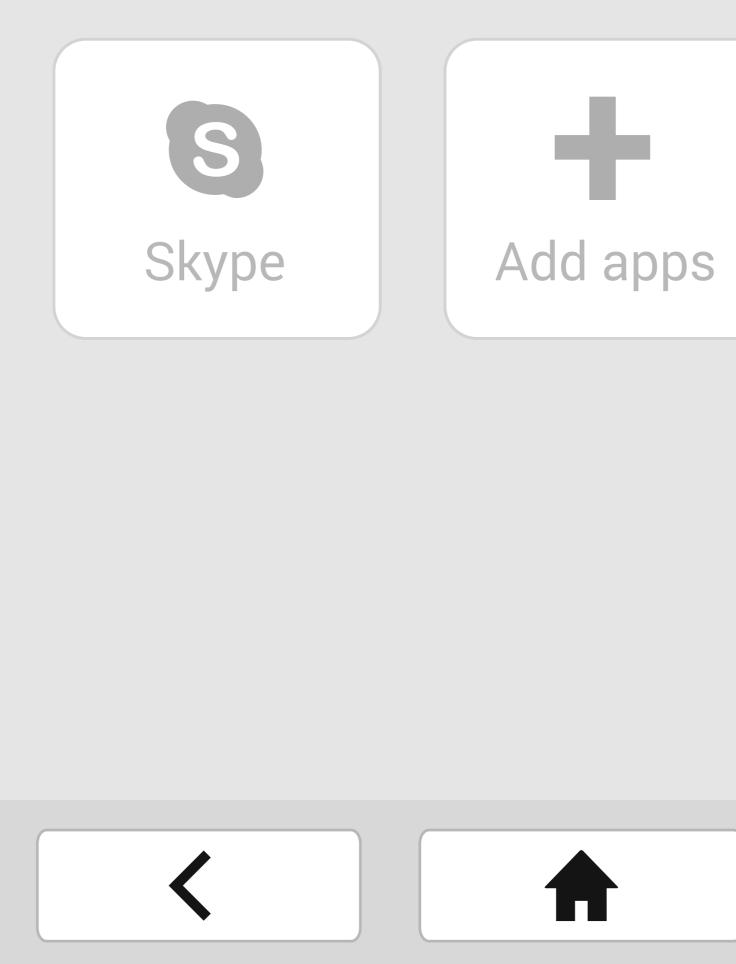
To cancel - rel (like android)



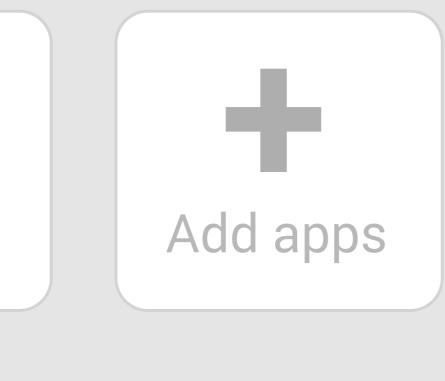
To cancel - release the long press, it goes back to previous state



## **APPS MENU - DRIVE MODE**

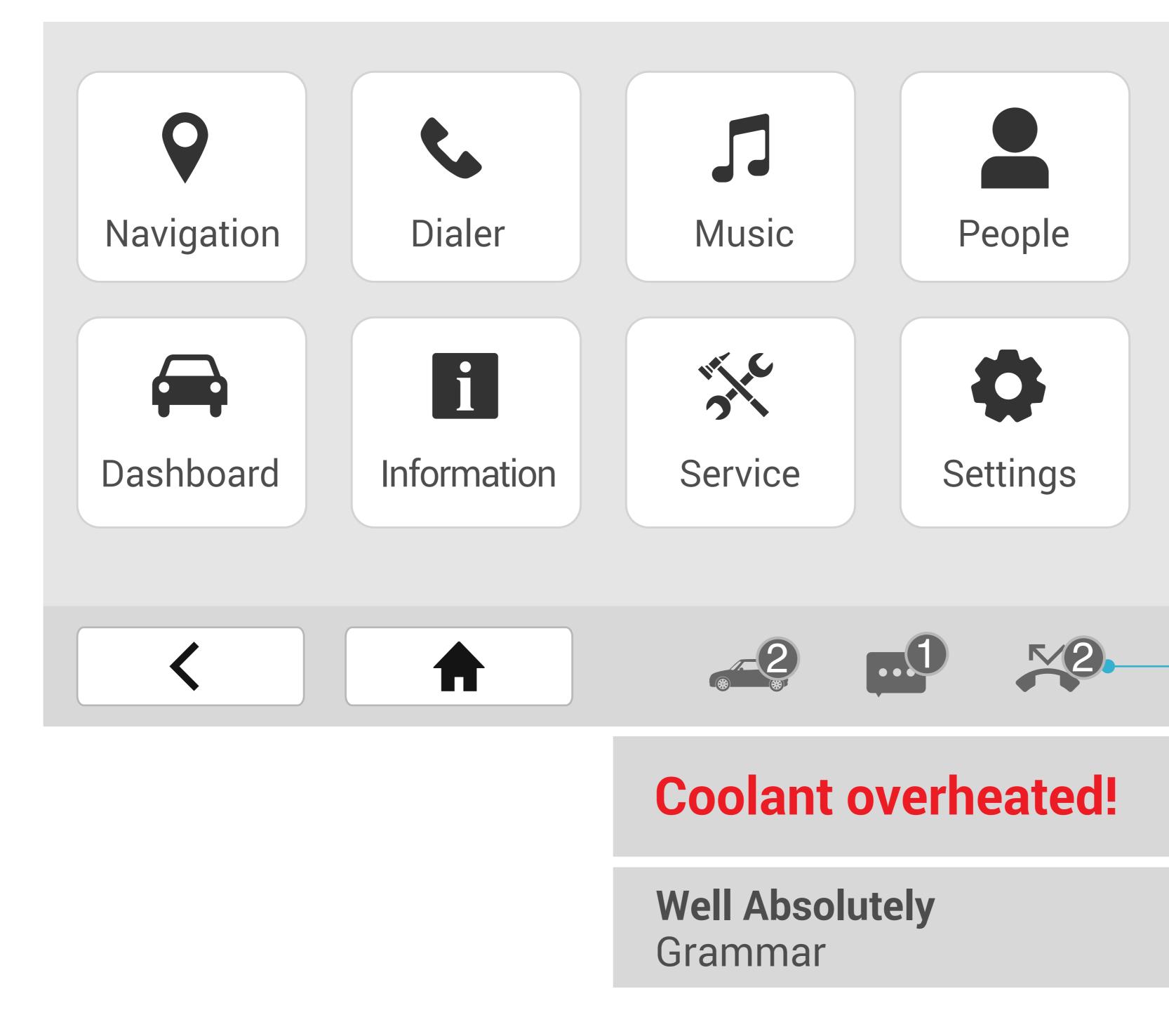


App not supported by CCC will be disabled in drive mode





## NOTIFICATION ON INSIDE PAGES



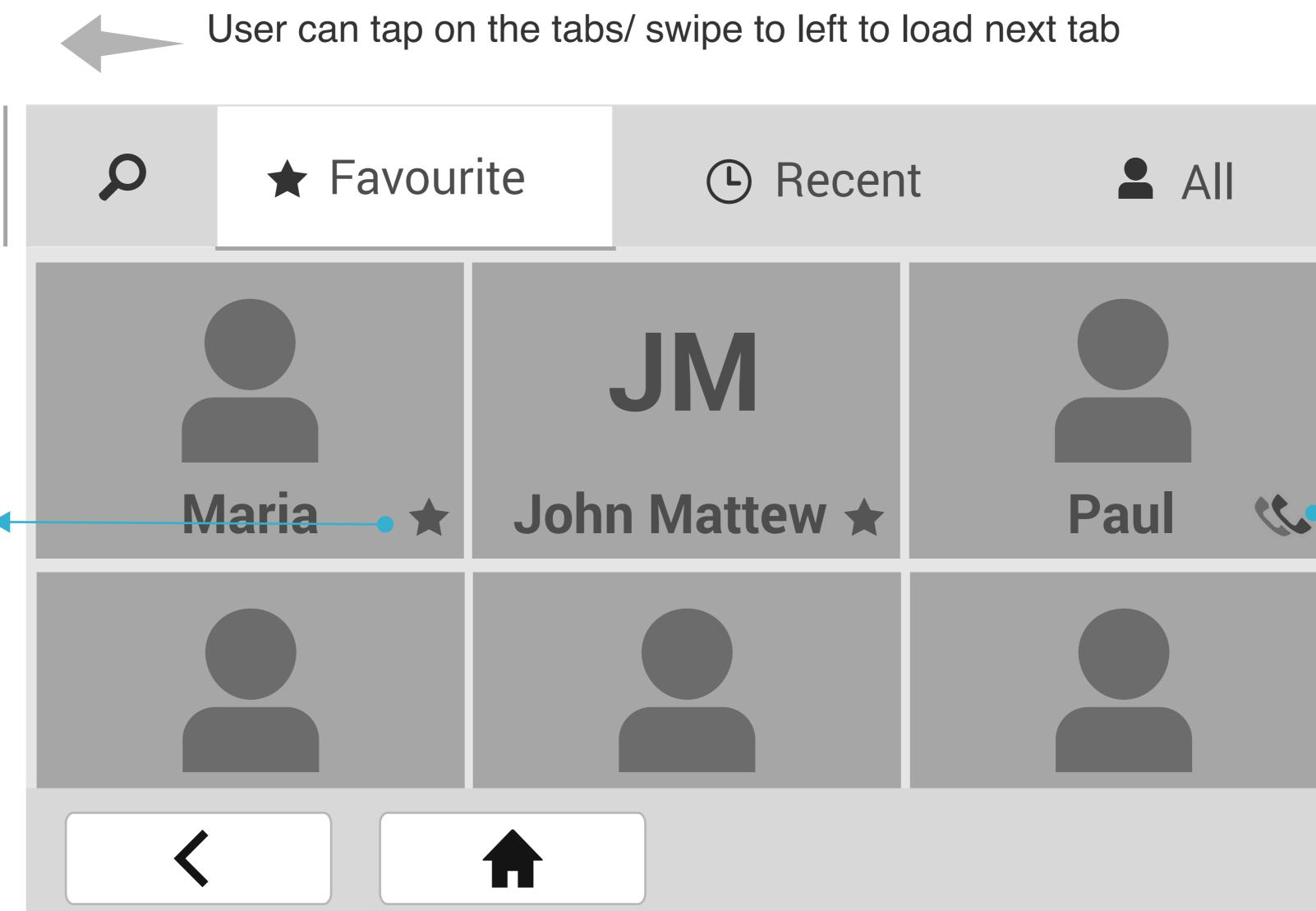
Dynamic notification area will display important OBD info, Music track changes and notifications.



#### **PEOPLE - FAVORITE**

The integrated dialer can be used for searching contacts or dialling a number.

> Indicates contact is favourite



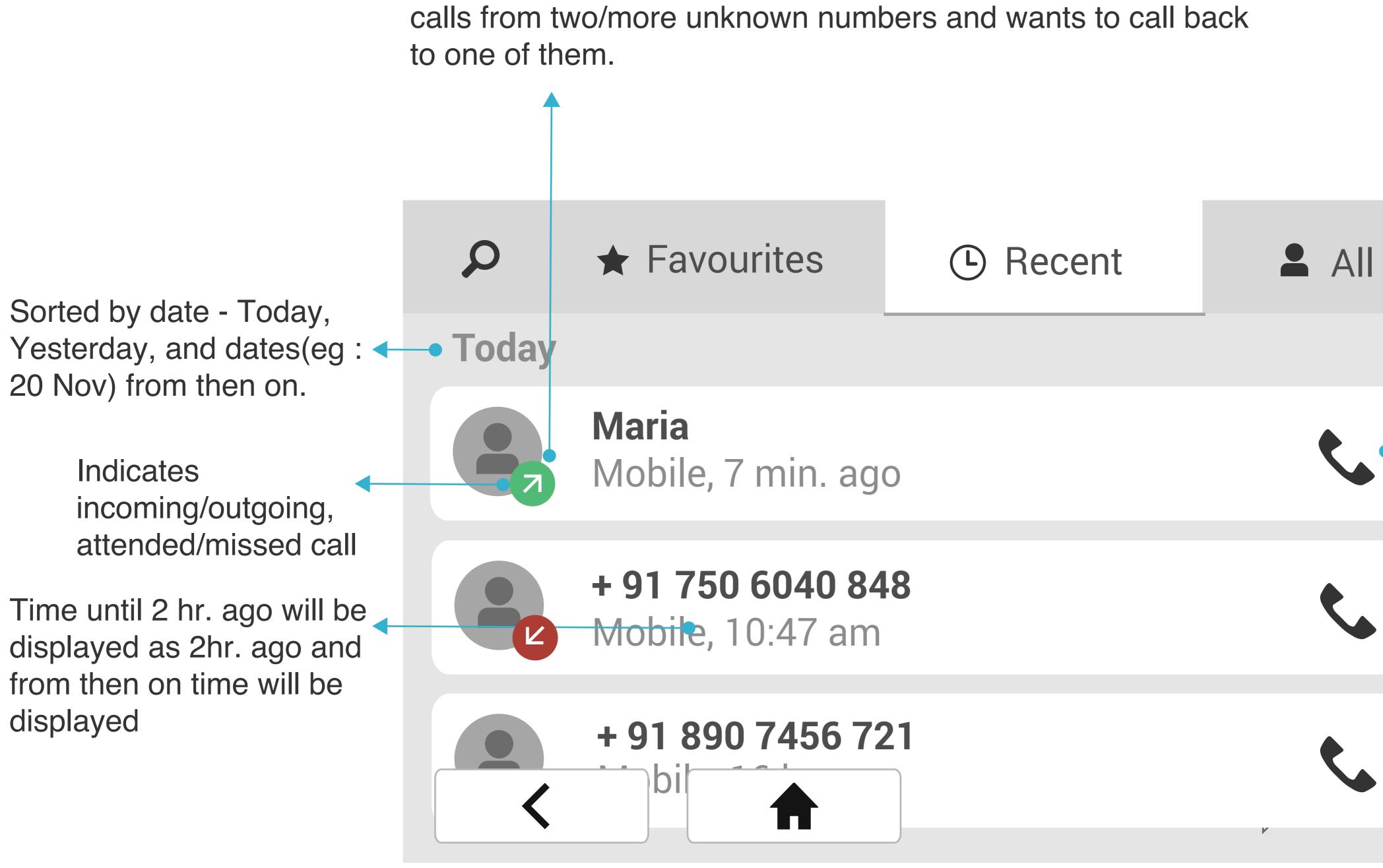
Favourite contacts are the contacts where user adds photos. So even while driving, the user can tap looking at the photo instead of reading the names.(designed for easy access) We would suggest having photo displayed. If the photo is missing we can use JM to show John Matthew.

Favourite contacts will have favourite contacts followed by frequently dialed contacts.

#### Frequently dialed

Very few users consciously add contacts to favourite and over a time, user doesn't update the list. So it will be helpful for user to view both favorites and frequently dailed (like how android inbuilt people app does). High chances that user will call either favourite/frequently dialed number while driving

#### **PEOPLE - RECENT**



Time and call information will be helpful if you have received

#### Indicates taping on the row/card/rectangle will initiate call

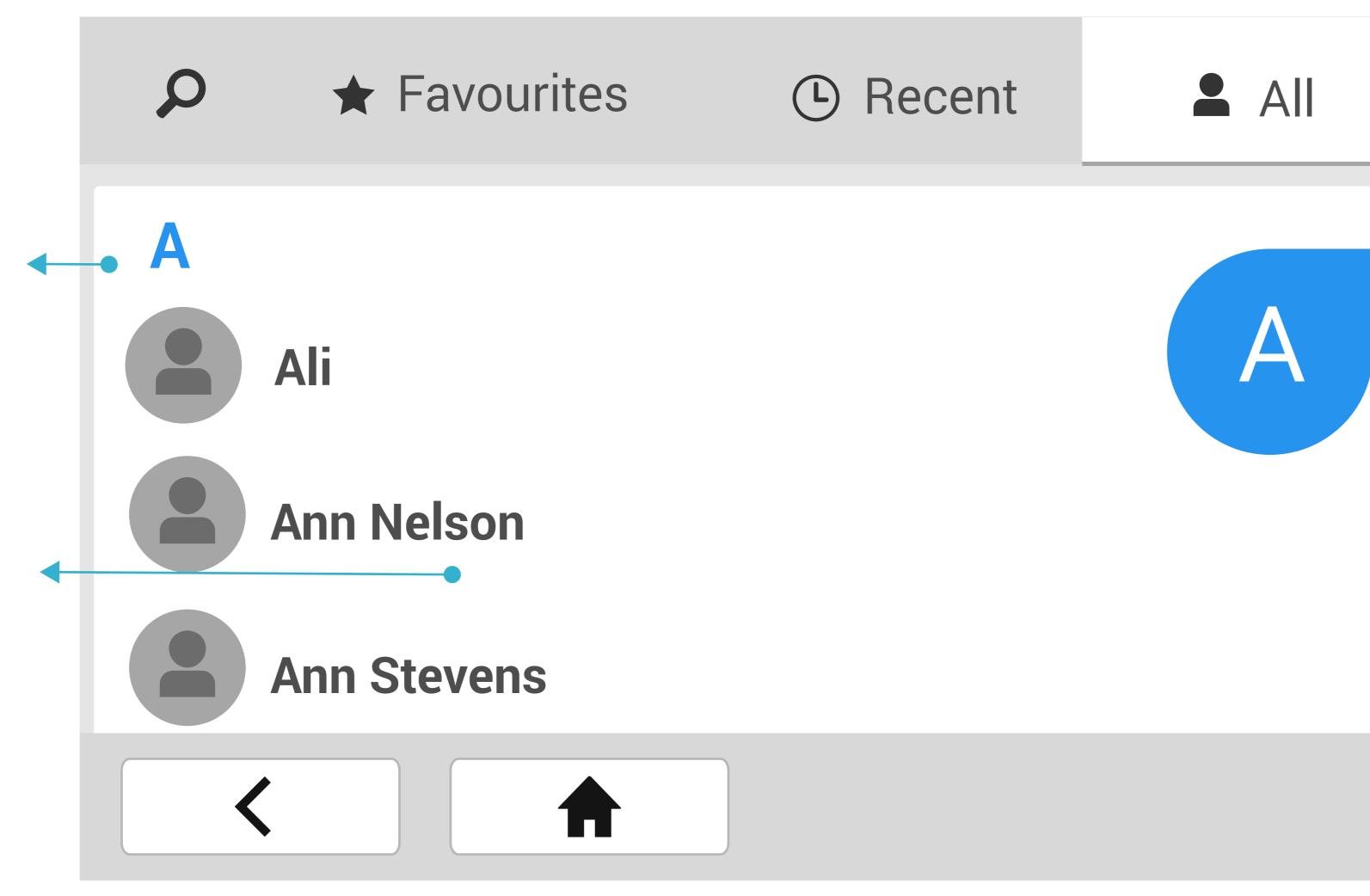


#### PEOPLE - ALL

#### Sorted - alphabetic order

User can swipe up and down to scroll through contact.

Scroll - rotate on rotary knob

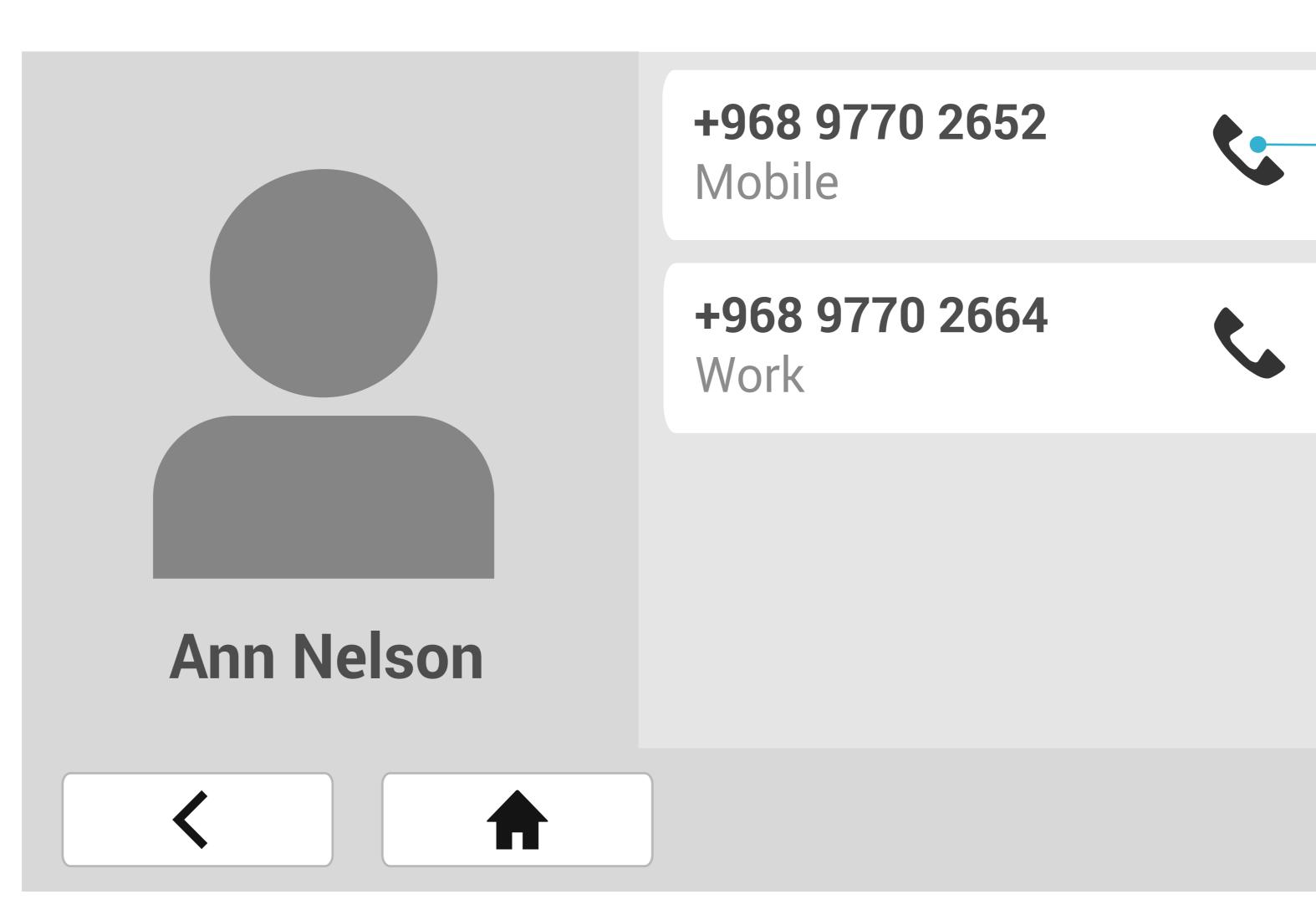


Alphabetical scroll - User can tap on the screen side and scroll to view contacts with different alphabet

Rotary knob - tapping on next arrow/right arrow will change the aphabets to next alphabet

This option is required because as per CCC guideline screen cannot havedoesn't

### **PEOPLE - ALL - DETAILS**



#### Tapping on a contact, user can view details

#### Tapping on this card will initiate call

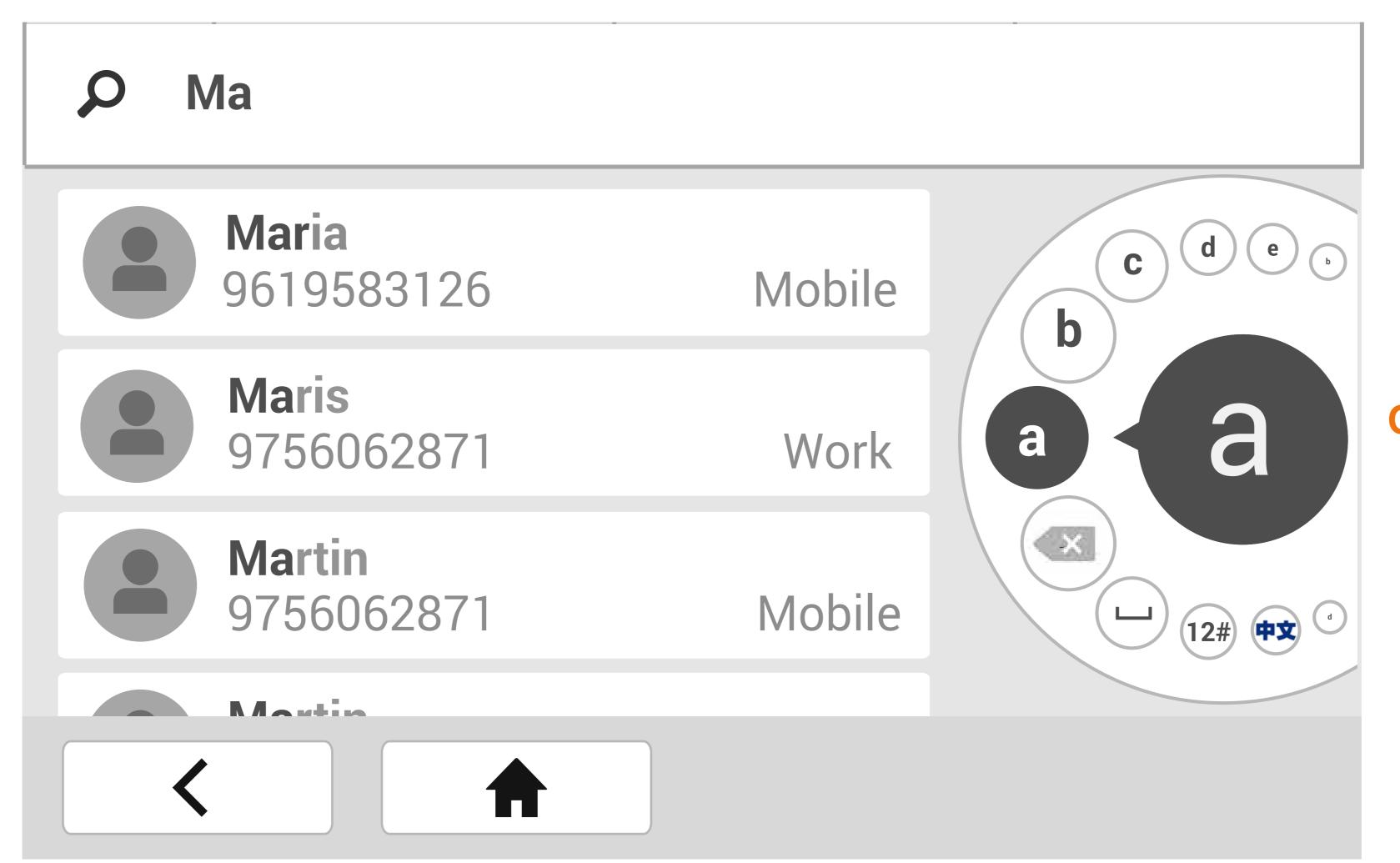


#### **PEOPLE - SEARCH**

Tapping on search, below screen appears

The rotary keyboard will appear where screen doesn't have touch capability

Search results will be displayed as the list below the search box.



To select from the search list, user can tap on left arrow on rotary knob to enter the list area. If user wants to again move to rotary area, tap on right arrow on the rotary knob

#### **Option 1 - rotary knob**

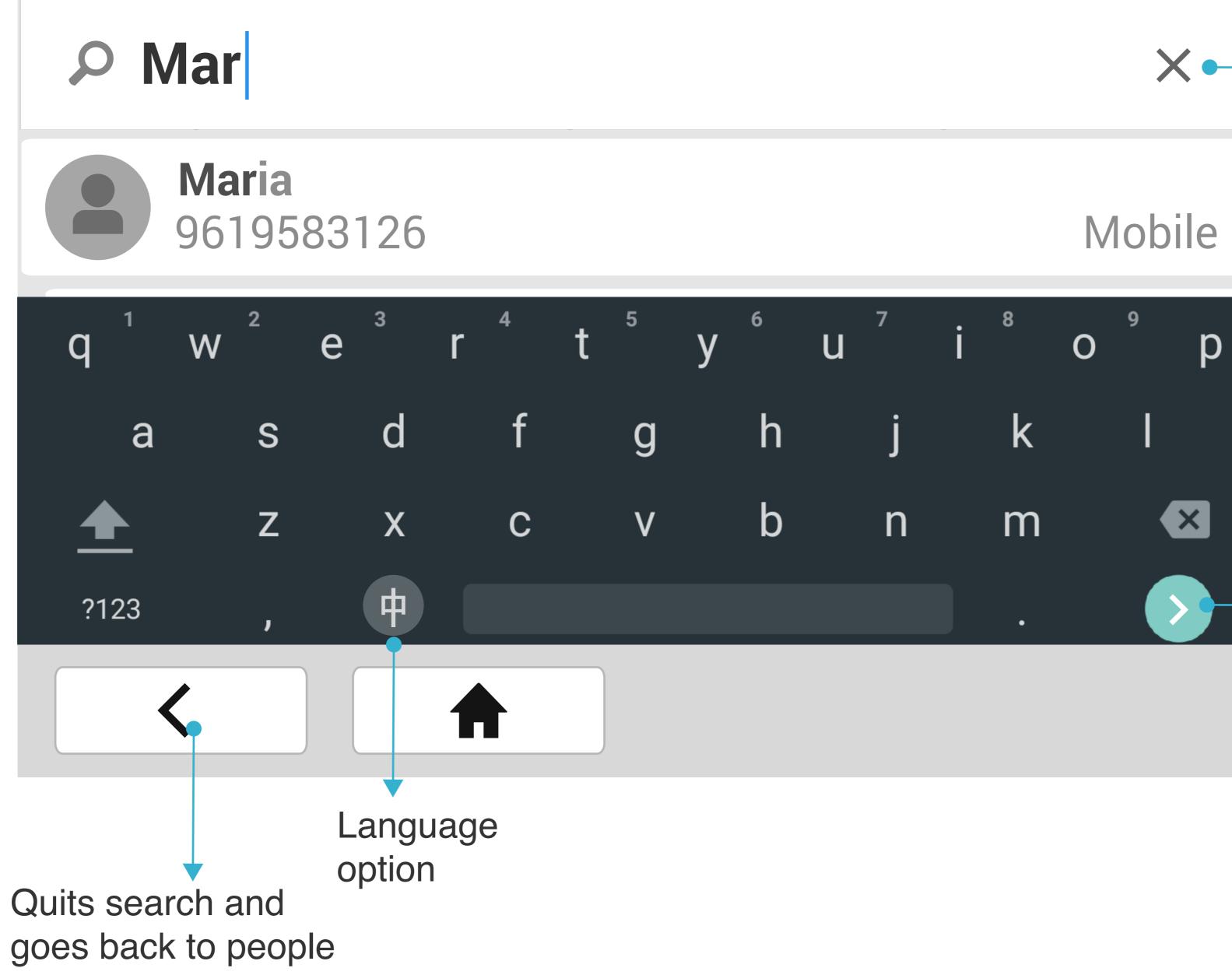


## PEOPLE - SEARCH (PARK MODE)

As per CCC: While text entry via keyboard (including rotary knob keyboard) is allowed, applications SHOULD NOT allow for text entry via keyboard while in drive mode.

Default screen when in park mode

If user taps on search using the touch screen, then the keypad appears. User can search with numbers and alphabets

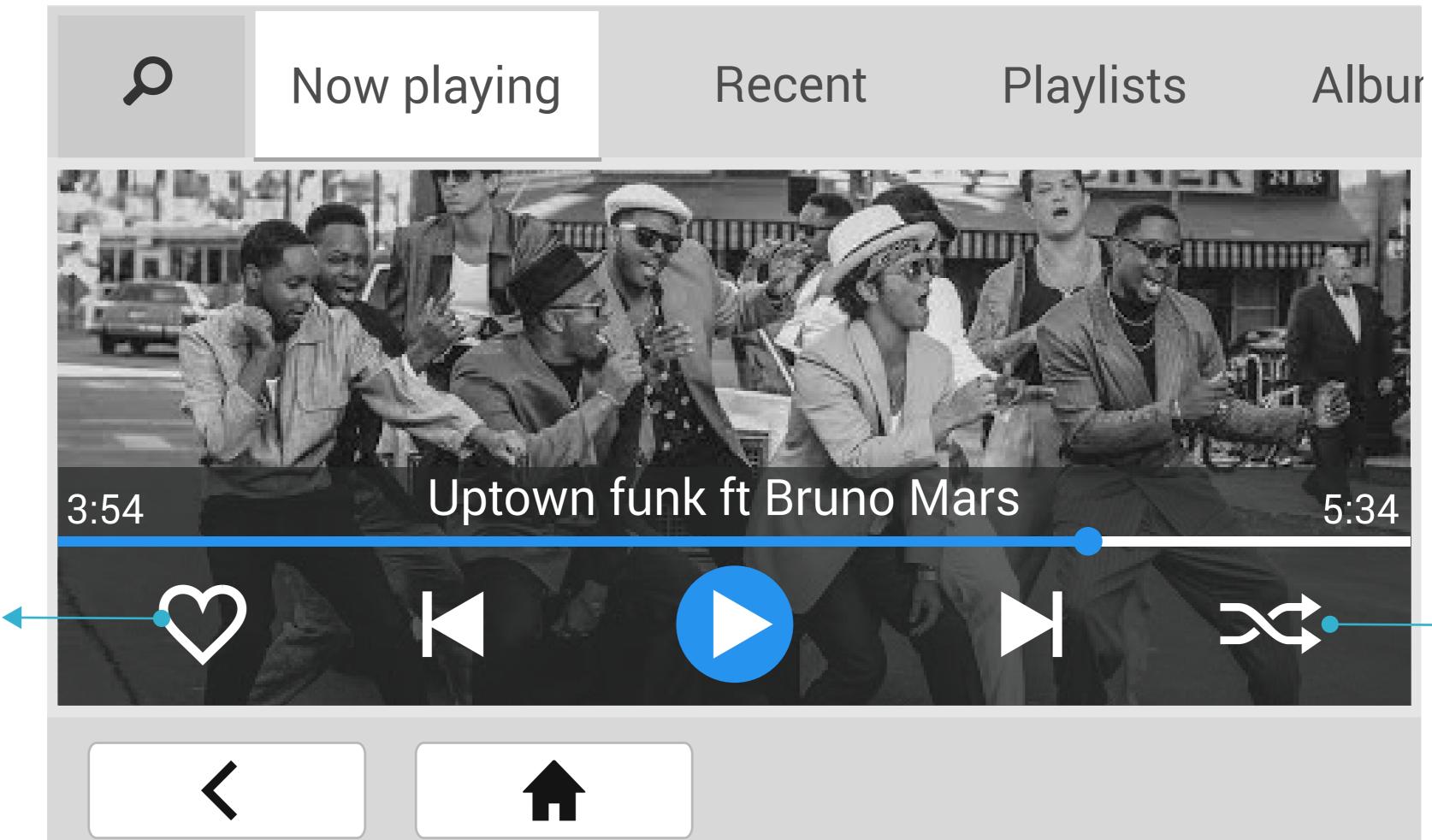


#### Cancel deletes the entire search

Hide keyboard



#### MUSIC PLAYER



Adding to favourite in playlist and will appear more often in shuffle mode

User can tap on the visible tabs or keep swiping to left to view more and load next tab.

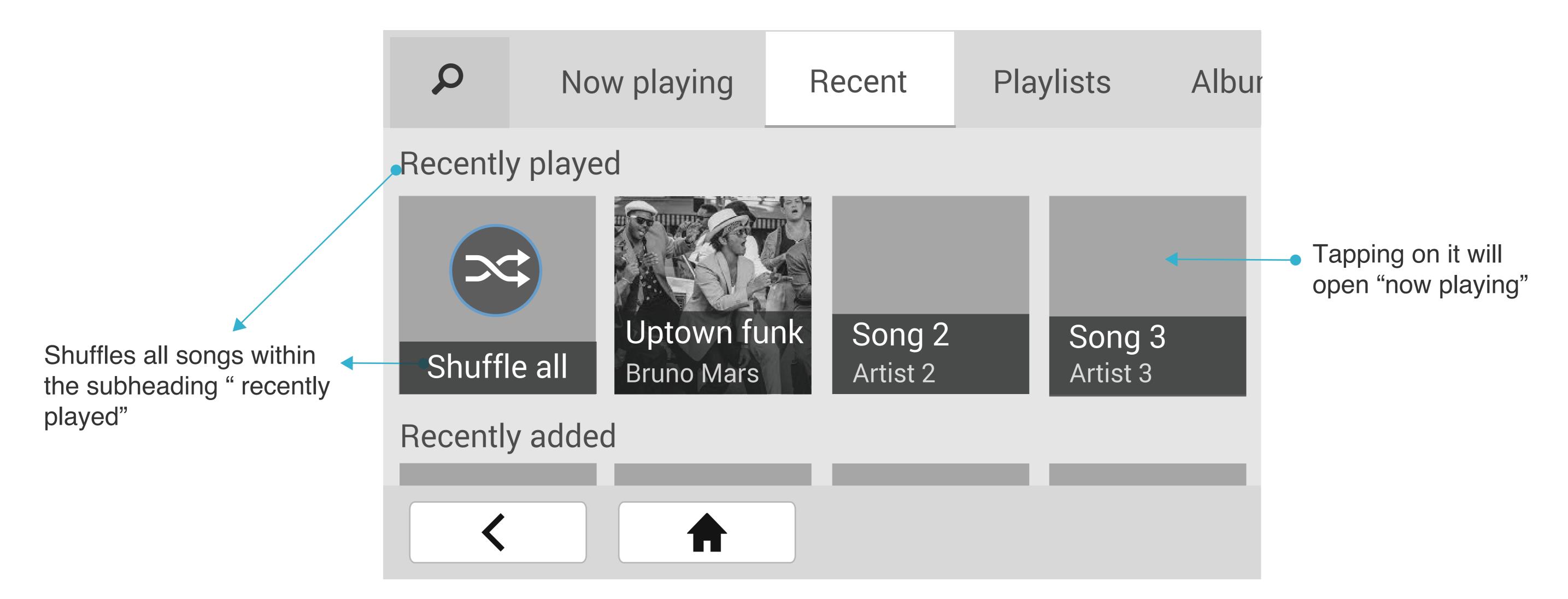
eg: To load "recent" user can tap on recent tab/ swipe to left to load it. Swiping to left again loads "playlists" and

"artist"/"genres"/"songs" will become visible on the main tabs.

- 1. Now playing
- 2. Recent
- 3. Playlist
- 4. Albums
- 5. Artists
- 6. Genres
- 7. Songs

Shuffle within the selected mode. Eg. within playlist or within songs

### MUSIC PLAYER - RECENT

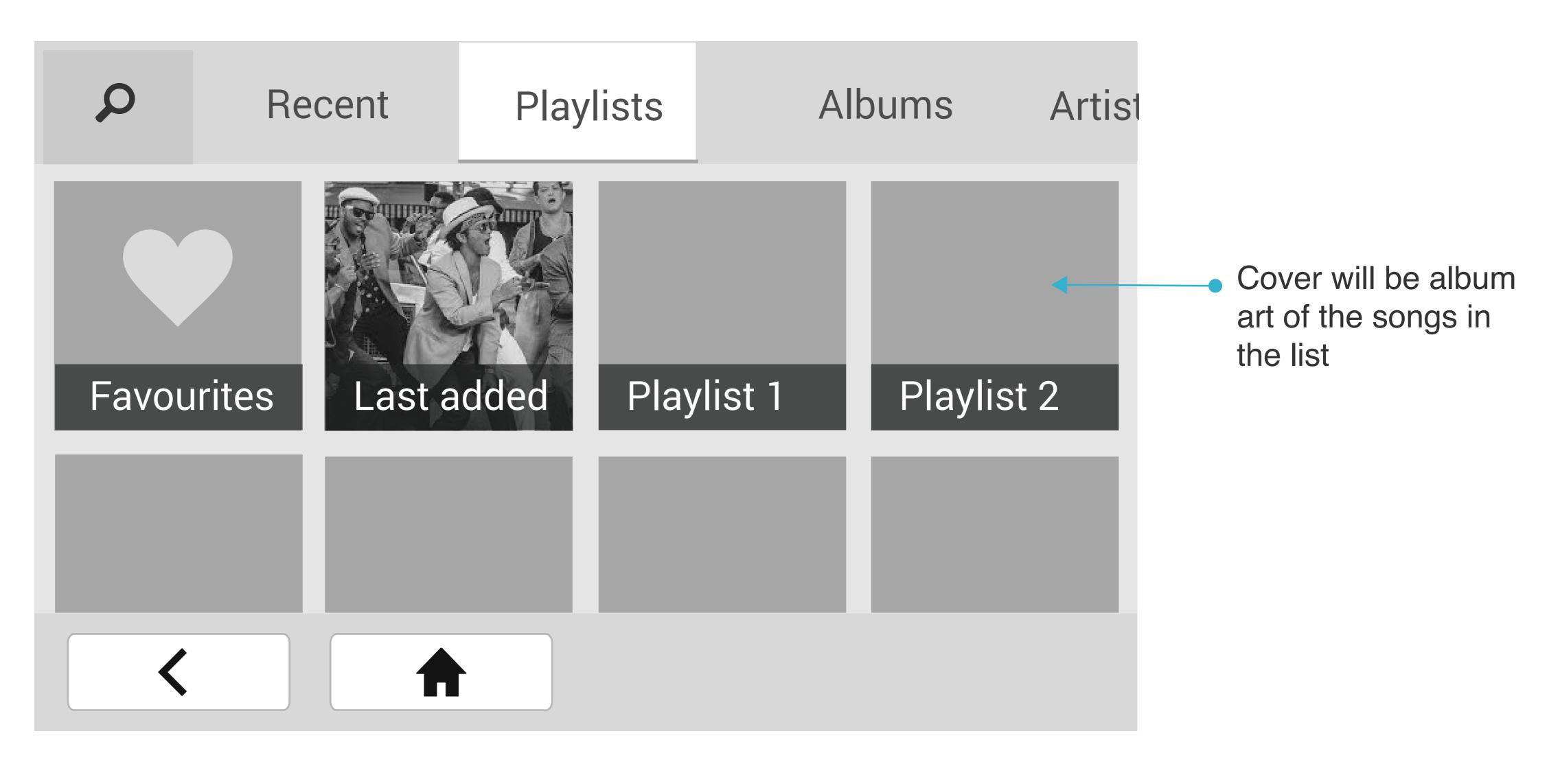


#### Recent - recently played or added





## **MUSIC PLAYER - PLAYLIST**



#### Last added and favourties are auto created playlist

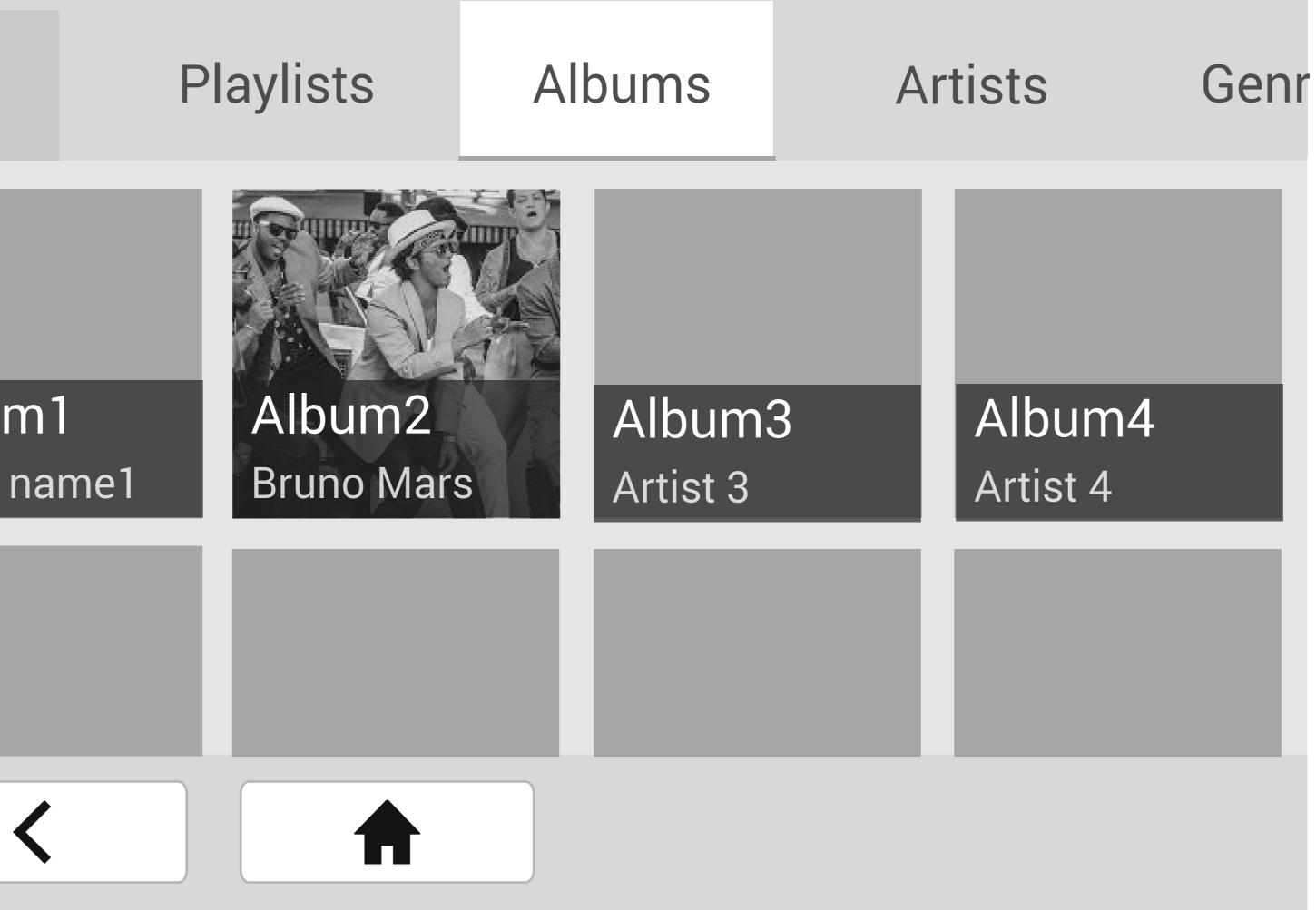




## **MUSIC PLAYER - ALBUMS**

Album1 Artist name1

Q

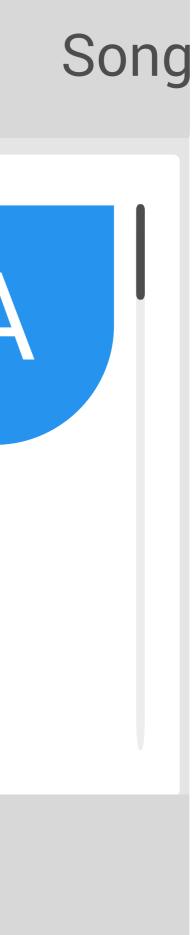


## MUSIC PLAYER - ARTISTS, SONGS & GENRE

Sorted alphabetic order



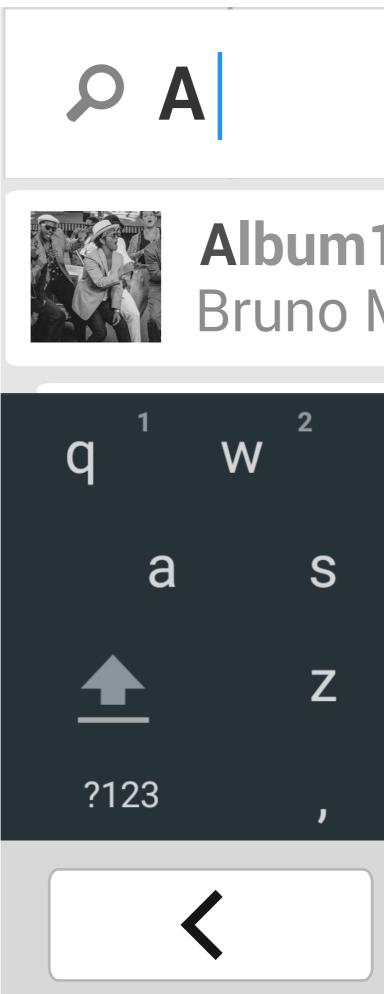
Artist, songs and genres appear in list format







## MUSIC PLAYER - SEARCH (PARK MODE)



Tapping on search in park mode will launch below screen

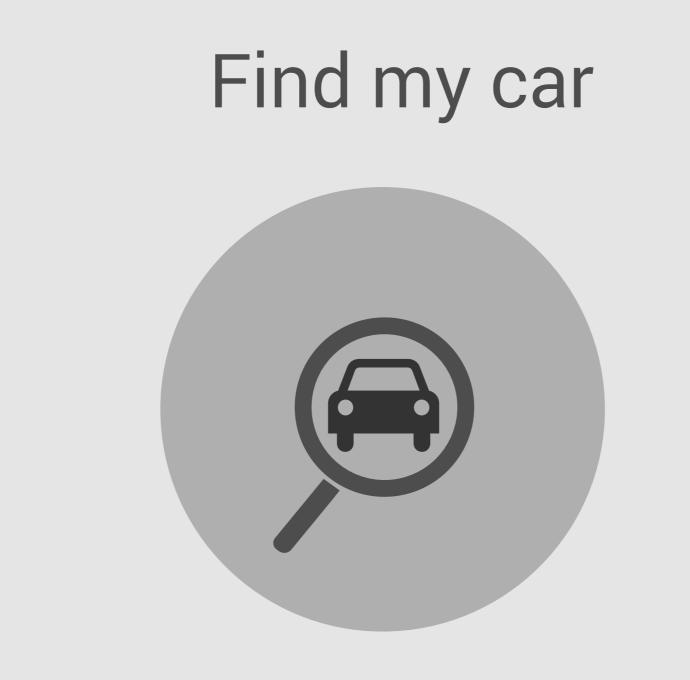
													×	-
1 Ma	IS											A	lbur	ns
е	3	r	4	t	5	у	6	u	7	i	8	0	9	р
	d		f		g		h		j		k		I	
	X		С		V		b		n		m		•	×
	<b></b>										•			
		1												
											•			

#### Shows the category album/song/playlist etc



## user to the location

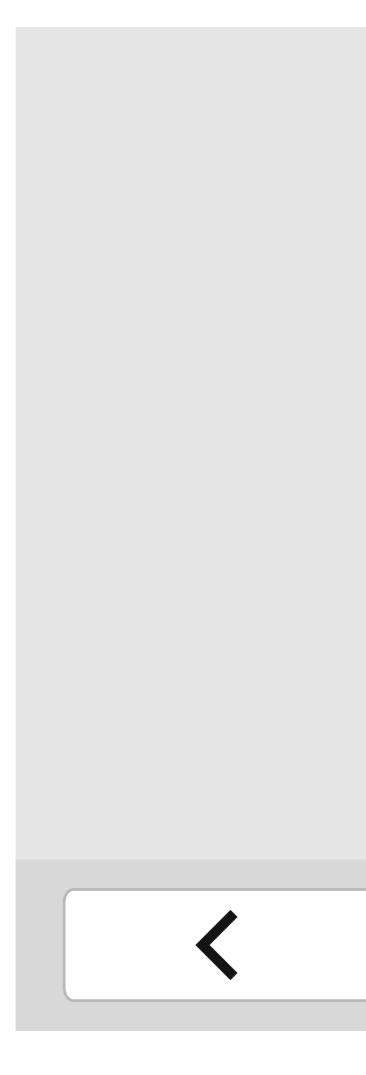
Find my car fetches the current location of car and navigate the



#### Tap on it to find the car location





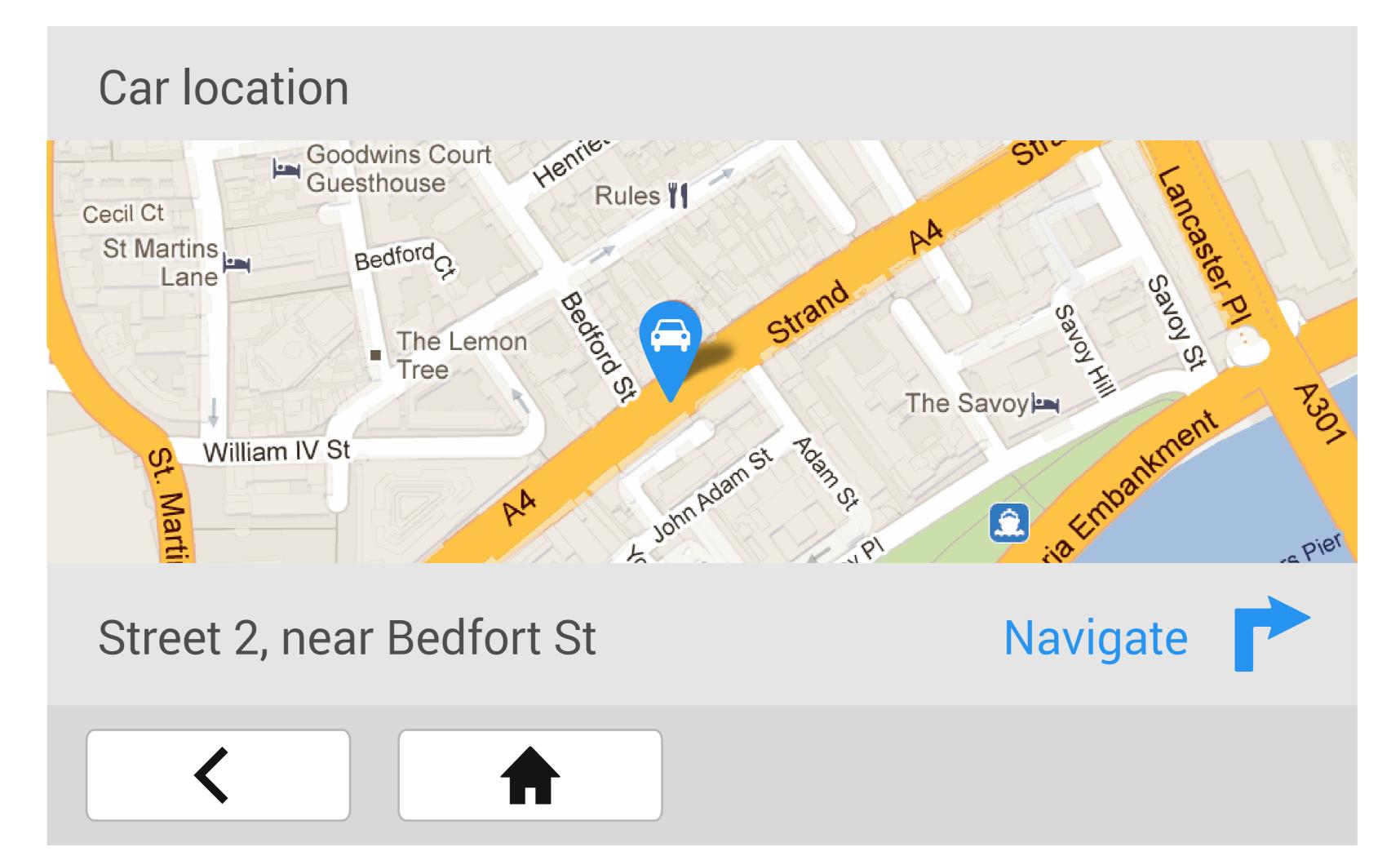




#### Finding location...





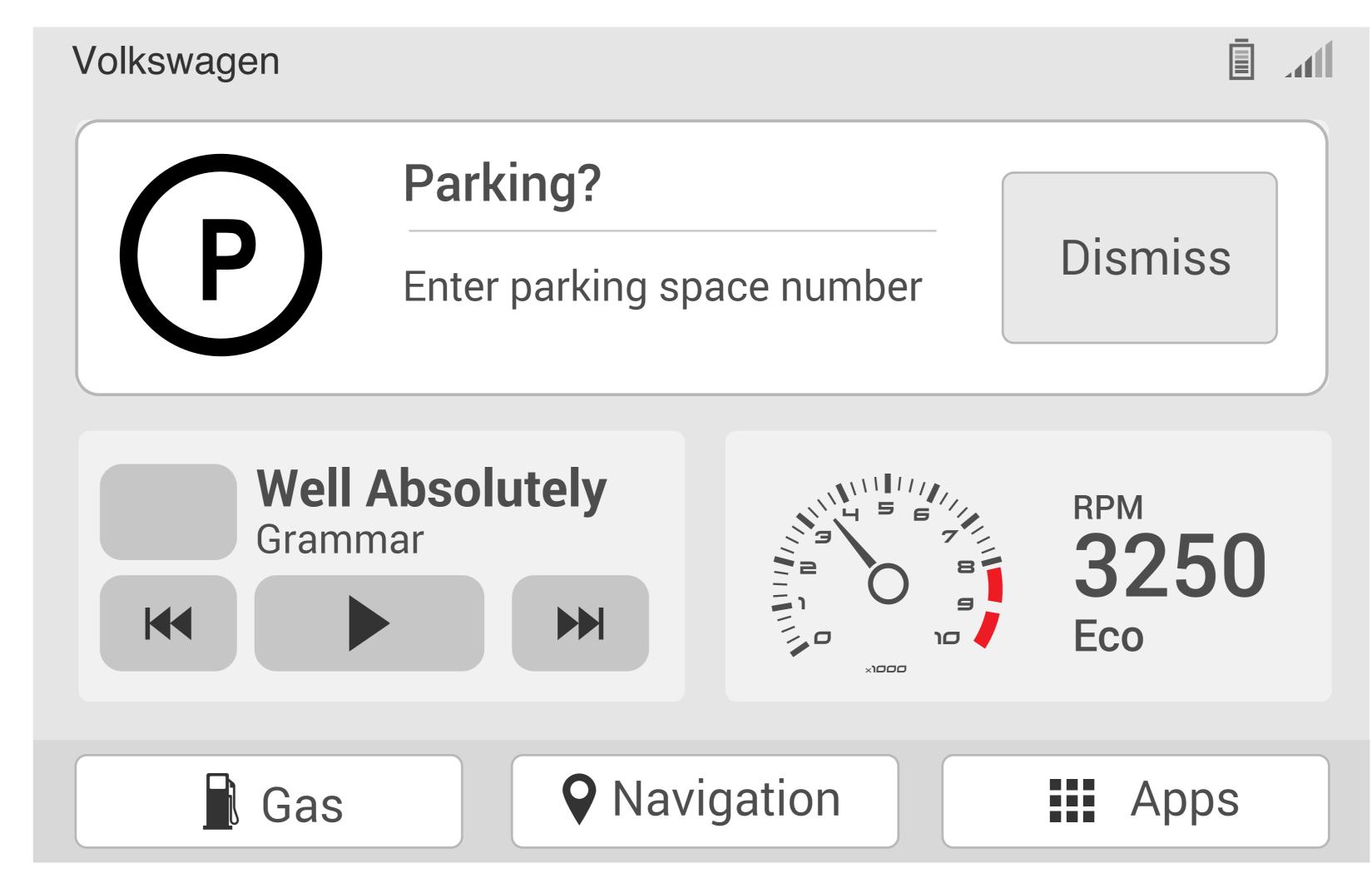


Tapping on navigate will start navigation to the location.





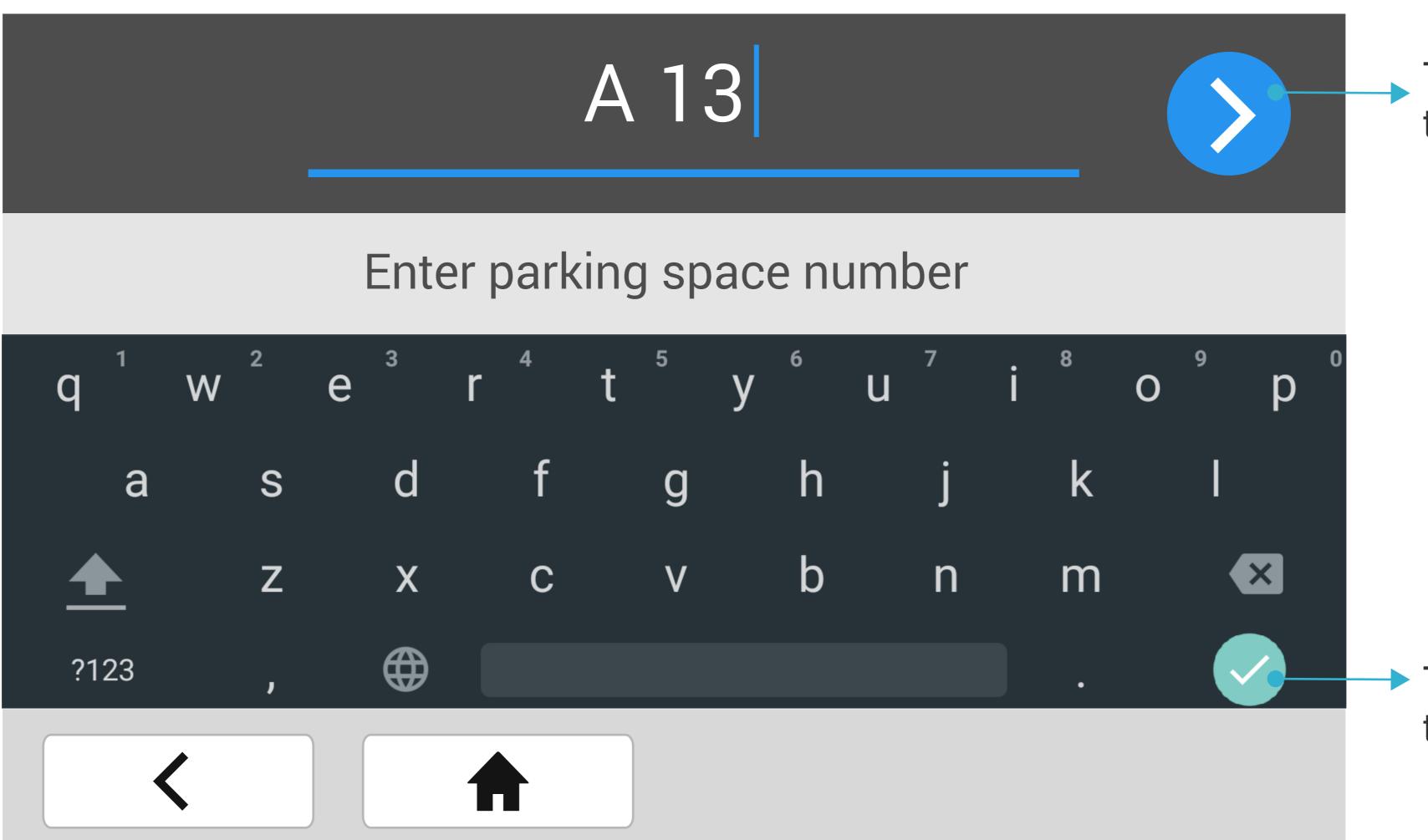
If while parking, GPS signal is not available - it then gives user an option to enter the parking lot number. This msg appears when you disconnect the phone from car.







## slot number



Tapping on the parking notification, user gets an option to enter the parking

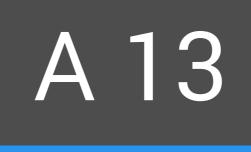
#### Tapping on this confirms the number

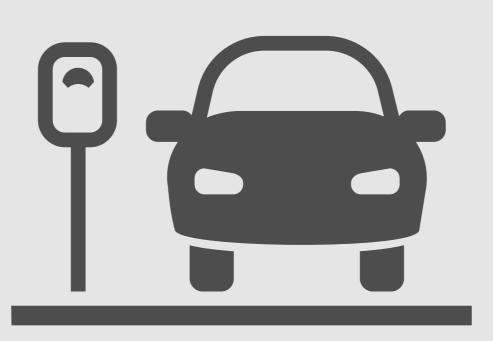
Tapping on this confirms the number







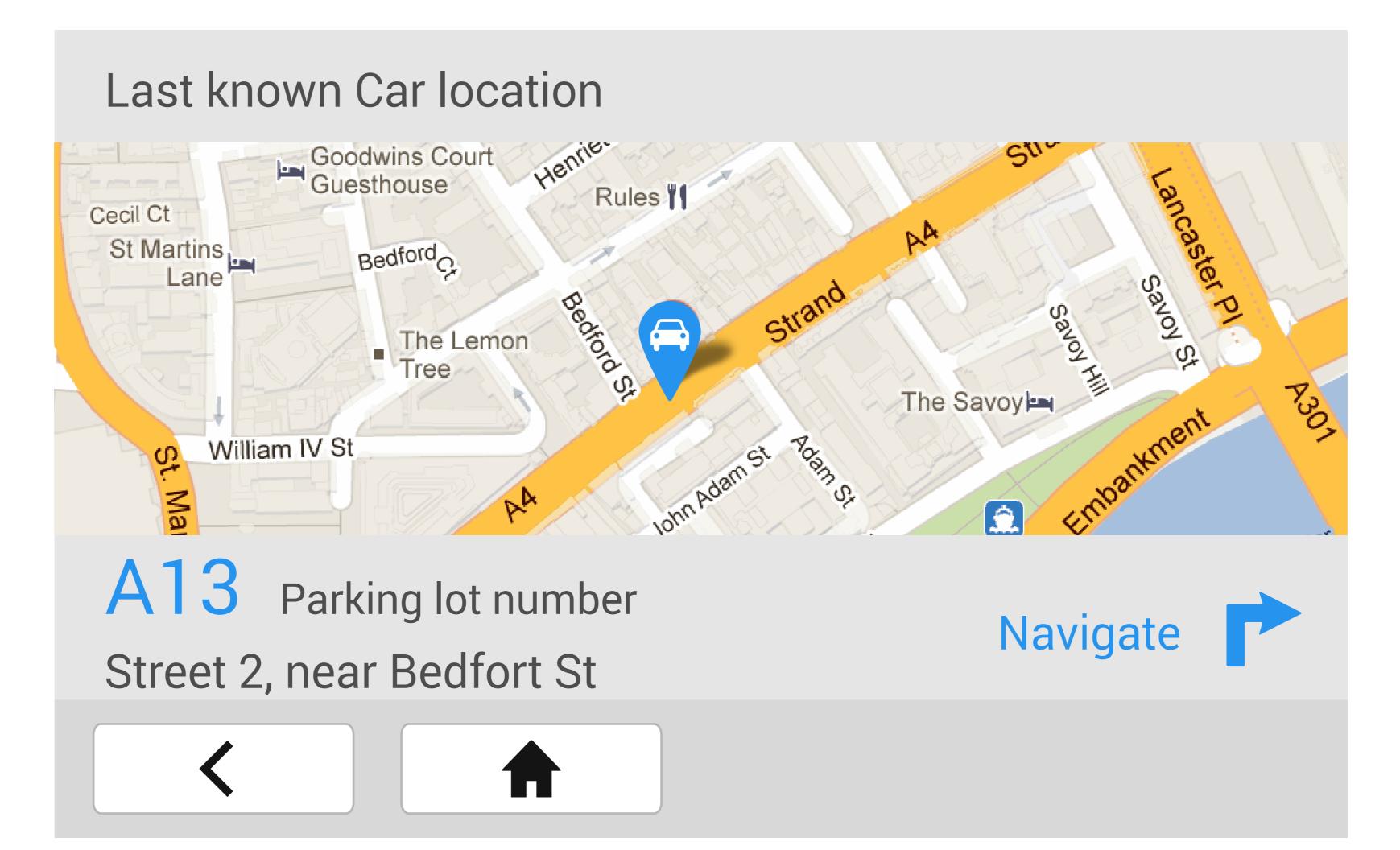




Parking number saved. Tapping on find my car will show you the saved number







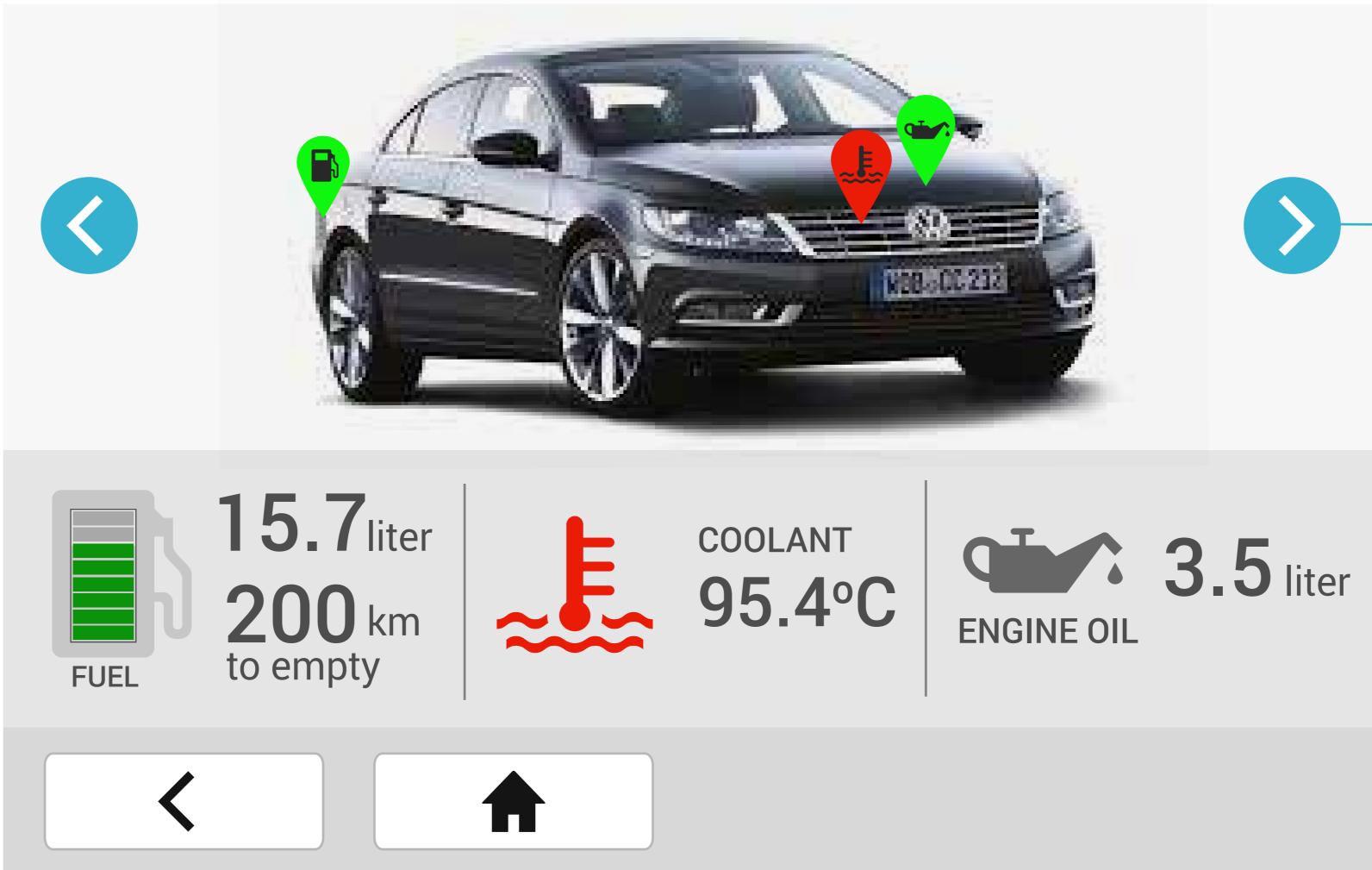
Tapping on navigate will start navigation to the location.

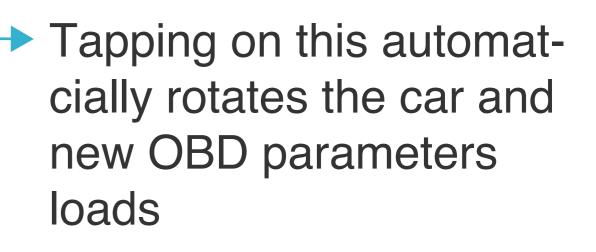




The user can tap on left/right arrow button or swipe right/left to view more details and the car rotates at the same time.

It will first display the image that has critical value.

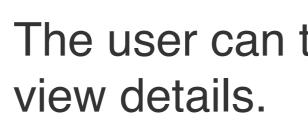








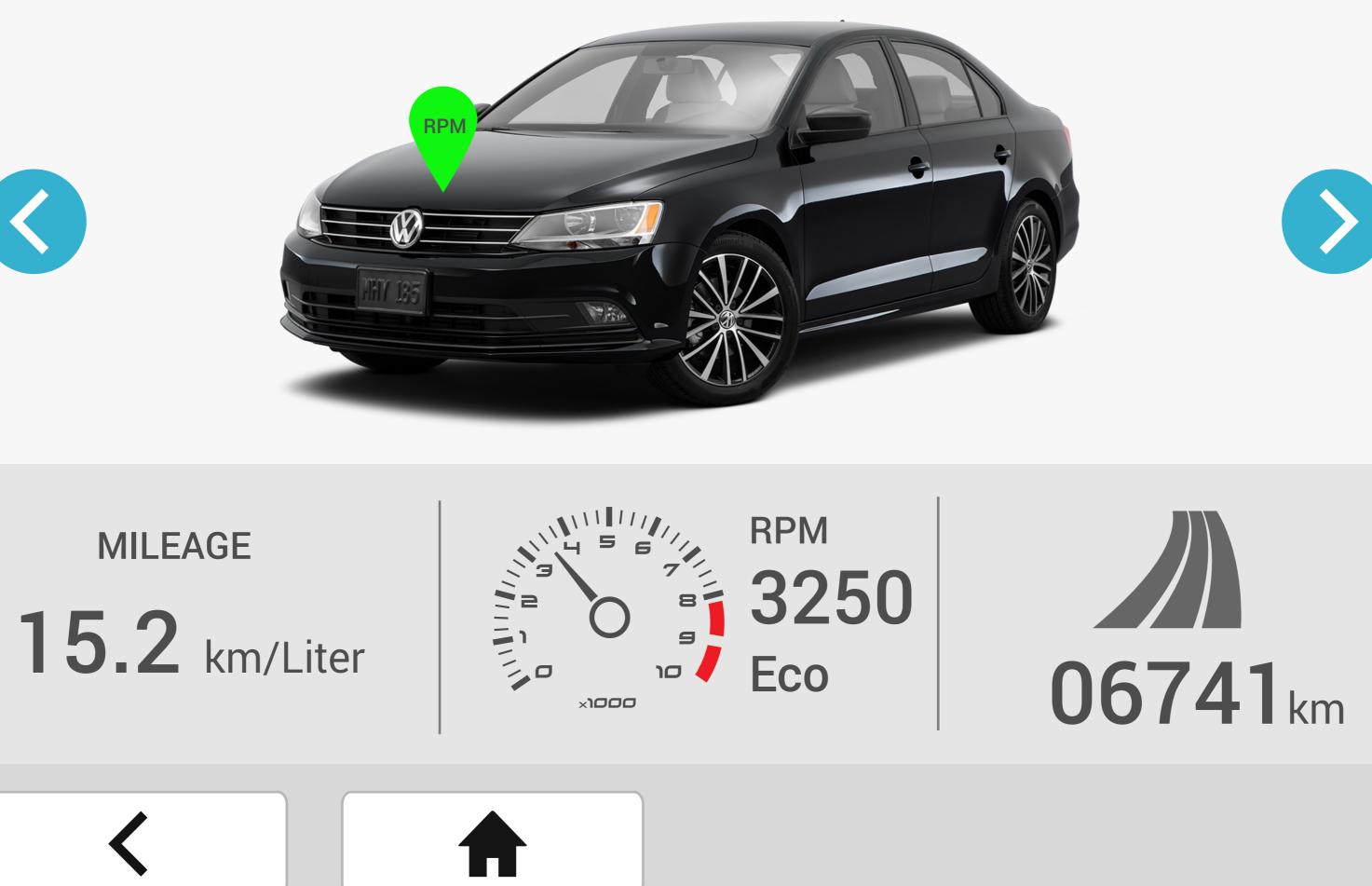


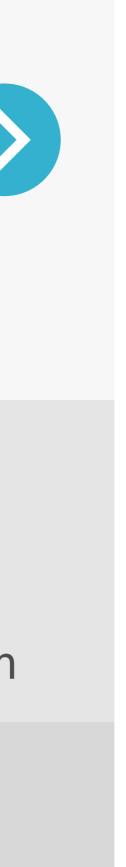




MILEAGE

#### The user can tap on any button or zoon in an area to

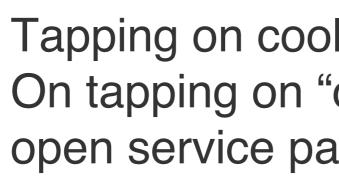


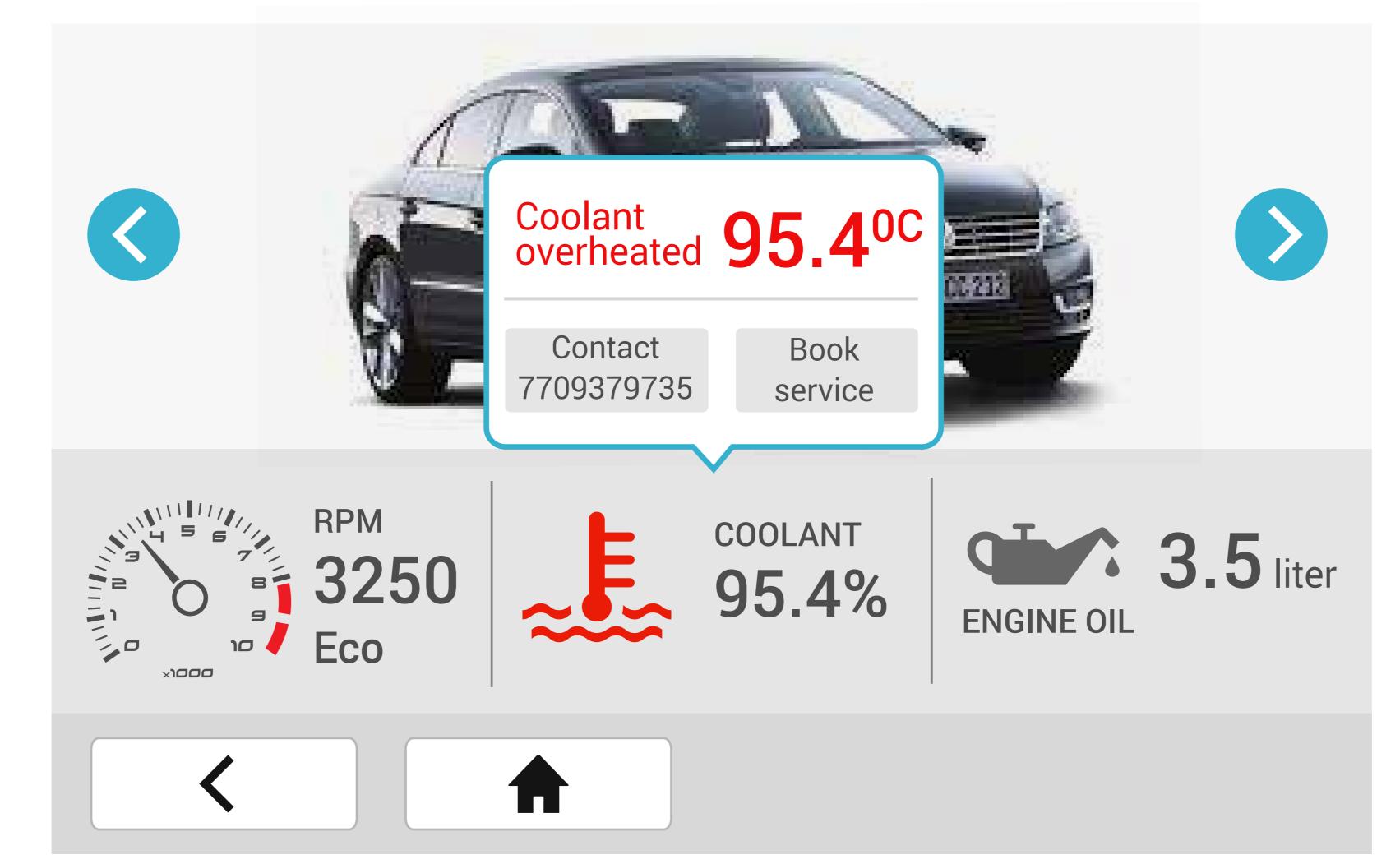












Tapping on coolant will give user option to take action to resolve the issue. On tapping on "contact" will initiate call and tapping on book service will open service page (will be detailed along with "services").

