

# \* Mobile Testing – Survival Knowledge – Part 6



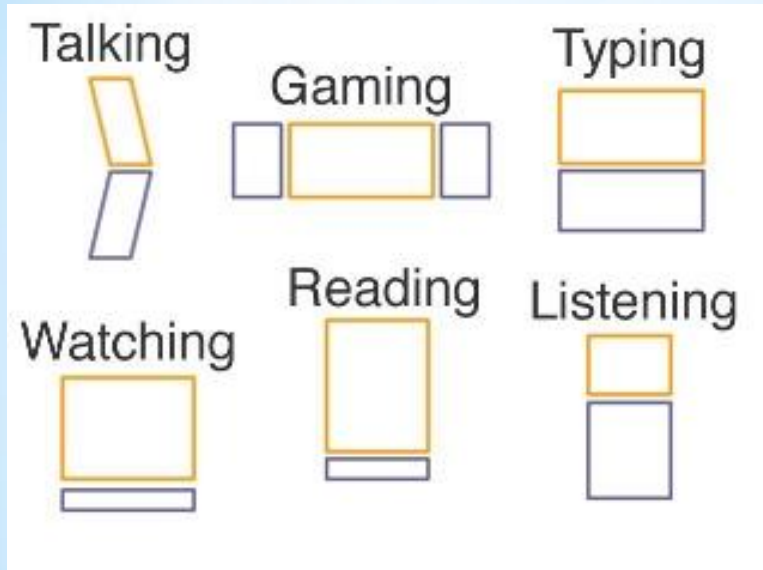
Created by Ivette Doss



iida A02 infobar

[http://www.youtube.com/watch?v=ass2rWlqd8l&feature=player\\_embedded&list=PLS7azqUNoh8szi0WyRZPE4CSxfxH1L7cF#!](http://www.youtube.com/watch?v=ass2rWlqd8l&feature=player_embedded&list=PLS7azqUNoh8szi0WyRZPE4CSxfxH1L7cF#!)

# \* Good to know: Mobile Form Factor



- \* Brick
- \* Bar
- \* Touchscreen
- \* Taco
- \* Flip
- \* Slider
- \* Swivel





# \* Good to know: different Mobile UI

## Self-Learning

- \* **ANDROIDs Popular UI:**
- \* Android GUI PSD
- \* Stock (Droid 1, Nexus1)
- \* Sense UI (Eris, Incredible, Evo)
- \* Motoblur(\*new\* Droid X, Droid 2)
- \* Touchwiz(Galaxy S devices)
- \* **iPhone Popular UI:**
- \* iPhone GUI PSD (Photoshop file)
- \* iPhone GUI stencil for Omnigraffle
- \* Favorites UI Design Walkthrough
- \* Edward Tufte on iPhone interface design

<http://mobileorchard.com/7-iphone-ui-user-interface-design-resources/>

<http://speckyboy.com/2010/10/27/30-fresh-web-ui-mobile-ui-and-wireframe-kits/>



# \* Write as many Test Cases you can for the following: Mobile device, simple app with three buttons (1,2,3) that making the sounds

1

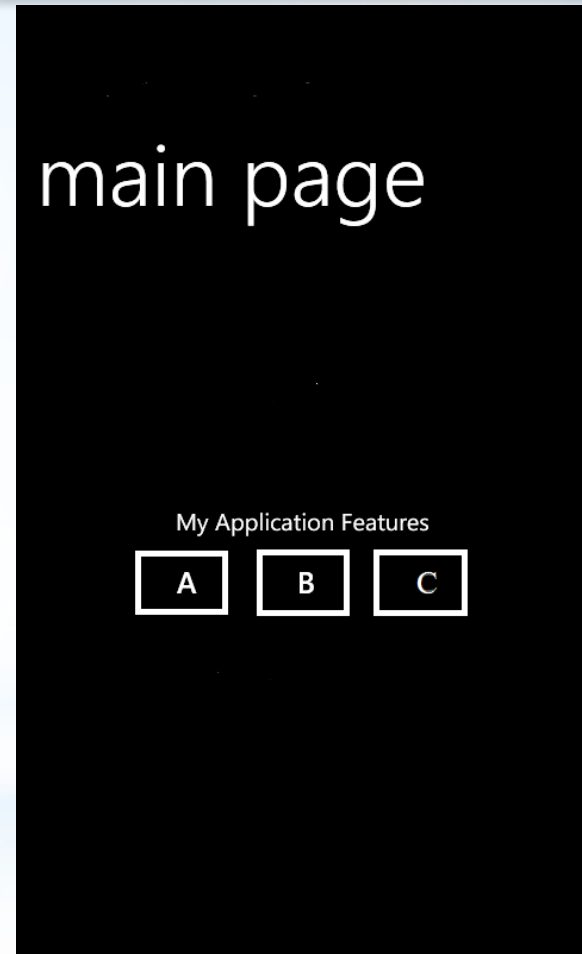
- \* 1. Stay with the TC Plan to cover different area of testing:
  - \* 1) Functionality Testing
  - 2) Usability/UI testing
  - 3) Interruption Testing
- \* 4) Connectivity testing
- 5) Performance/Load testing
- \* Add Media specific Testing

## Self-Learning:

<http://www.guru99.com/testing-tools.html>

<http://www.mobileapptesting.com/the-best-tools-for-mobile-app-testing/2011/08/>

[http://en.wikipedia.org/wiki/Soak\\_testing](http://en.wikipedia.org/wiki/Soak_testing)



# main page

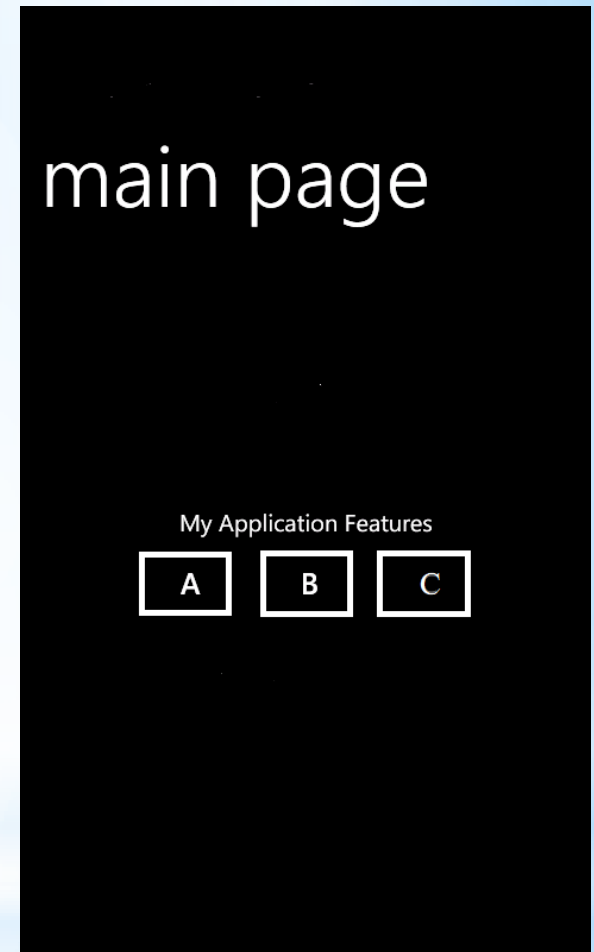
My Application Features



## Functional Testing

Case Title	Description	Result
Verification of Button A sound/tune	Launch http://xxxxxx Tap and Hold on Button A. Verify the sound /tune of Button A	When button A is pressed the sound /tone specified for button A should be audible
Button B	1. Launch http://xxxxxx 2. Tap and Hold on Button B. 3. Verify the sound /tune of Button B	When button B is pressed the sound tone B should be audible
Combination of buttons and sounds	1. Launch http://xxxxxx 2. Tap and Hold on Button AB. 3. Verify that when A,B buttons are pressed consecutively, the priority sound/tune assigned to Button A	When buttons A,B are pressed consecutively, the sound/tune A should be audible by default.

Case	Description	Result
<b>Panning</b> (sliding horizontally left-right) <b>Swiping</b> (sliding vertically up-down)	Verify that when main Page is panned/swiped, the buttons A,B,C remains in the same order, the same position on the page screen, and do not make sound	The buttons A,B,C, should not loose the order or make any sound during panning/swiping gestural input procedures
<b>Rotation</b>	Verify that when device is rotated, Buttons ABC should not loose it's order and make any sound	During device's rotation Buttons ABC should not loose it's order and make any sound
<b>Zooming</b>	Verify that buttons A,B, C should not loose the order or make any sound during the Zooming gestural procedure	Buttons A,B,C should not loose the order or make and sound during the Zooming procedure



## UI Testing



# main page

My Application Features

A

B

C

Case	Description	Result
Phone Call Interruption	Verify that when Phone Call is initiate, buttons ABC are in "pause" mode and do not perform assigned sound tunes.	When Phone Call is occurred, the Buttons ABC should be saved in 'pause" mode and do not perform assigned sound tone.
SMS/Text interruption	Verify that when text notifications/messa ge appears, the main app page will response with safe, end session	When SMS action occurs, proper error message should be displayed and app will be closed gracefully with saved information
TechNews App Notification (w/Ringtone)	Verify that when TechNews Notification with the Ringtone occurs, buttons ABC will pause and perform assigned sound tones after Notification Ringtone is done.	When TechNews Notification (w/Ringtone) occurs the Buttons ABC should be pause until Ringtone tune are done, and continue to perform ABC assigned sound after no more than 3 sec delay.

## Interruption Testing



# main page

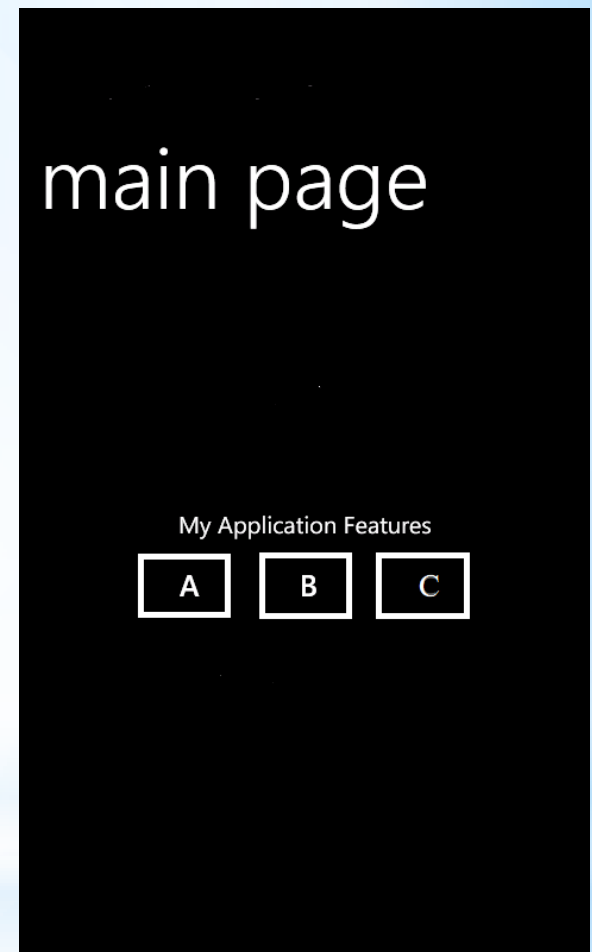
My Application Features



## Network Connectivity Testing

Case	Description	Result
Flight Mode of Mobile Device	Verify that when Device has Flight Mode ON, the Buttons ABC are still active and performing sound	Buttons ABC should be active and perform assigned sounds when Mobile Device is in Offline Mode.
Bluetooth Mode of Mobile Device	Verify that when Device has Bluetooth ON, the Buttons ABC are still active and performing sound	Buttons ABC should be active and perform assigned sounds when Mobile Device is in Bluetooth Mode.
Hopping Mode	Verify that when Device is in Frequently changed "hopping" area the Buttons ABC are still active and performing sound	Buttons ABC should be active and perform assigned sounds when Mobile Device is in the "hopping mode"

Test Case	Description	Result
Maximum amount of load that a system can handle	Verify that when 10,000 Users press A,B,C buttons pressed simultaneously, the designed combination of three sound tone is appeared	When buttons ABC are pressed simultaneously the tune combined of three sounds should appeared
Maximum number of concurrent user that application can handle	Verify that when 10,000 User concurrently press Buttons A, there is not drop in functionality and sound quality.	When 10,000 User concurrently press Button A it should be not affect the functionality or sound quality
Application scalability - functionality	Verify that during the Device OS upgrades application can run without drop in performance	When Device OS upgrades occurs the application runs without significant performance degradation

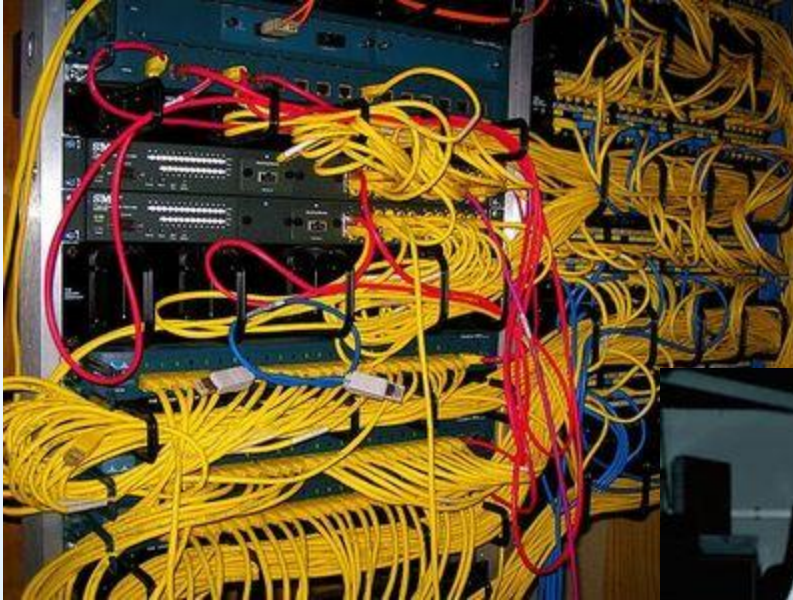


<http://searchdatacenter.techtarget.com/definition/scalability>

<http://en.wikipedia.org/wiki/Bottleneck>

**Performance testing**

# How would you troubleshoot Network on iPhone



# Troubleshooting Concept



- \* 1. Define the areas that may cause the problem: Example: Device or Carrier
- \* 2. Make a list of Troubleshoot Areas/Features and Methods that you can use:
  - \* VPN
  - \* Short URL at [isup.me](http://isup.me) (Problems With a Specific Website)
  - \* Ping itself
  - \* Device Wi-Fi connection
  - \* Device Bluetooth connection
  - \* Device LTE vs. GPRS
- \* 3. Start with minimum of variables and conditions



# How would you troubleshoot Network on iPhone

- \* 1. Home Screen – Settings Tab – General – Network – Wi-Fi (On/Off) – Choose Network) – Ask to Join Networks (On/Off)
- \* 2. Home Screen – Settings Tab – General – Reset – Reset Network Settings
- \* **Note:** It will also reset your remembered Wi-Fi access points and their passwords, so be ready to re-enter a bunch of WEP/WPA keys!
- \* 3. Connect through the iOS VPN under Setting- General – Network.

It is a “virtual private network” (VPN) configuration for Apple iOS devices: iPad, iPhone, and iPod Touch. The VPN allows users not on the UCSF network (alternative to traditional wired connectivity), access to restricted resources on the UCSF network in the same way as you would from the UCSFwpa wireless network.



<http://support.apple.com/kb/HT3204>



- \* 4. If you are experiencing network timeouts when connected to your home Wi-Fi network, please **try turning off Bluetooth**, as the iPhone's current Bluetooth drivers sometimes interfere with Wi-Fi.
- \* 5. Sometimes the iPhone does not "like" being attached to an ad-hoc network, and will often drop the Wi-Fi network connection and jump over to the cellular network. This problem does not exist for iPod touch devices, as they do not have other network options.

Home Screen – Settings – Airplane Mode ON – WI-FI ON – Select RedEye Network

**Note:** You will not be able to receive calls on your phone with Airplane Mode ON, so please remember to turn it off when you are finished.

## 6. I can't connect to my Wi-Fi network anymore

- \* Wi-Fi routers are fickle creatures.
- \* Whether it's a problem on your iPhone or a router problem, one quick trick to "start from scratch" with your Wi-Fi connection is by "forgetting" a network you've joined.
- \* Go to Settings, then Wi-Fi, then tap the blue arrow next to the network you want to forget, then tap "Forget This Network."
- \* Once you've forgotten the network, tap it in your Wi-Fi screen to do a fresh re-connect





## 7. Troubleshooting of Siri (4S up)

- \* Go to Settings in your iPhone and go to the Siri tab.
- \* Disable Siri
- \* Turn off the iPhone
- \* Turn on the iPhone
- \* Go to Settings again and enable Siri
- \* The steps are basically about resetting Siri and it would again catch up with the network and the connection would normally happen.
- \* The fix worked for many, but a few couldn't still resolve the problem, but keep trying and the response from Siri would be back at any point of time.



# What is your Stress test approach when testing FaceTime on iPhone?



**Video  
Chatting  
Technology of  
Apple**

Please, see  
these two  
Youtube video  
before  
proceed

<http://www.youtube.com/watch?v=LGzEy3oQ4Co>

<http://www.youtube.com/watch?v=KRV4FYSMWVM>



## What is the FaceTime general features? What we need to “Stress out”? How we can stressed it?

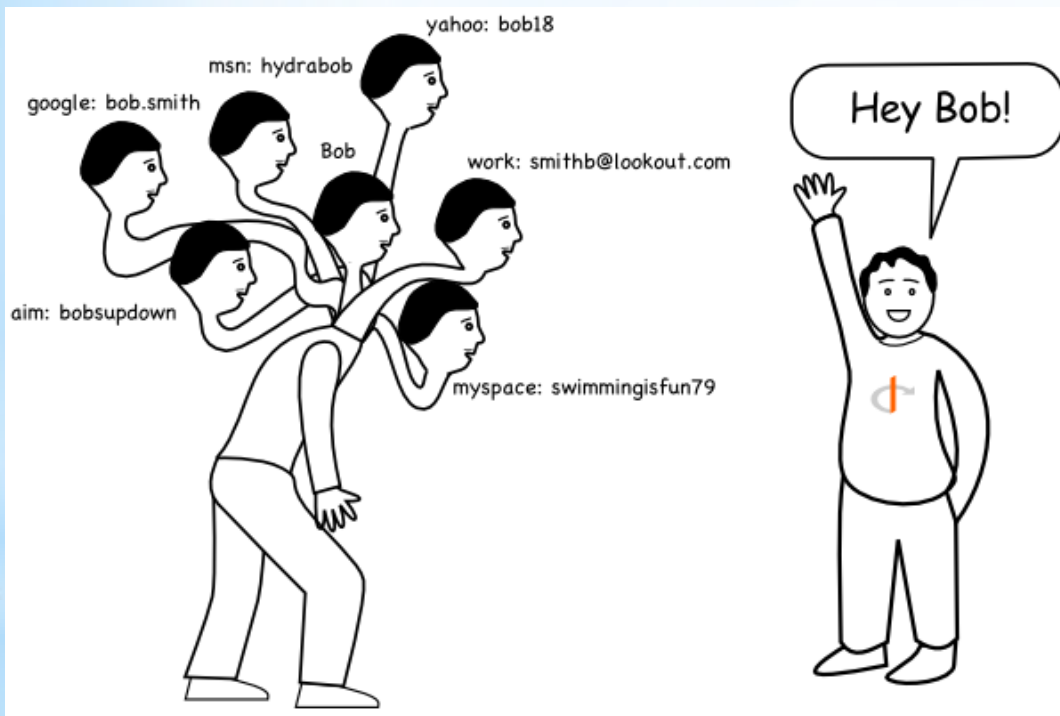
- \* Activation of FaceTime option on your iPhone/iPad/iPod
- \* New Call begin when the person you're calling accepts the FaceTime invitation
- \* Video Call
- \* Voice Call
- \* Switching between Front and Back Camera
- \* My own picture/video on the chat -screen

- \* Contacts info invalid
- \* Invitation to Contact send it with the Fake Identity
- \* Try to Edit/Modify/Delete Contact info during a Chat
- \* During a Video Call/Chat:
- \* Initiate multiple calls/video/chats with other FaceTime Contacts
- \* Running Music/Games/Video/Web apps during the Video/Call Chat
- \* Download some big File during the Chat session
- \* Play abusive way with Portrait/Landscape Layout
- \* Play abusive way with the Front/Back Camera
- \* Turn video chatting, still running call session and try to open multiple apps, website, music, video



Use Face Time Session outside, with the street noise, sunlight/nighttime, in the Disco club, etc.

# \* Tell me your opinion on OpenID



<http://openidexplained.com/>

- \* An OpenID is a way of identifying yourself no matter which web site you visit.
- \* It's like a driver's license for the entire Internet. But, it's even more than that because you can (if you want) associate information with your OpenID (like your name and your e-mail address), and then you choose how much web sites get to see about you.
- \* This means that web sites that take advantage of OpenID won't bother you for the same information over and over again



# \*Thank you for listening

\*Let Practice...HOME WORK - Bug Report



9:55 AM

countries.

## OPTIONAL INFORMATION

### Arrival Time

04:00

▼

PM

▼

### Special Requests

(60 characters maximum)

Please note that special requests cannot be guaranteed until check-in, but we will do our best to accommodate you.

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*Привилегии:* Да

*Парковка машины с  
доставкой в  
указанное место:* Да

*Плата за парковку  
машины с  
доставкой в*

*указанное место:* USD 21 в день

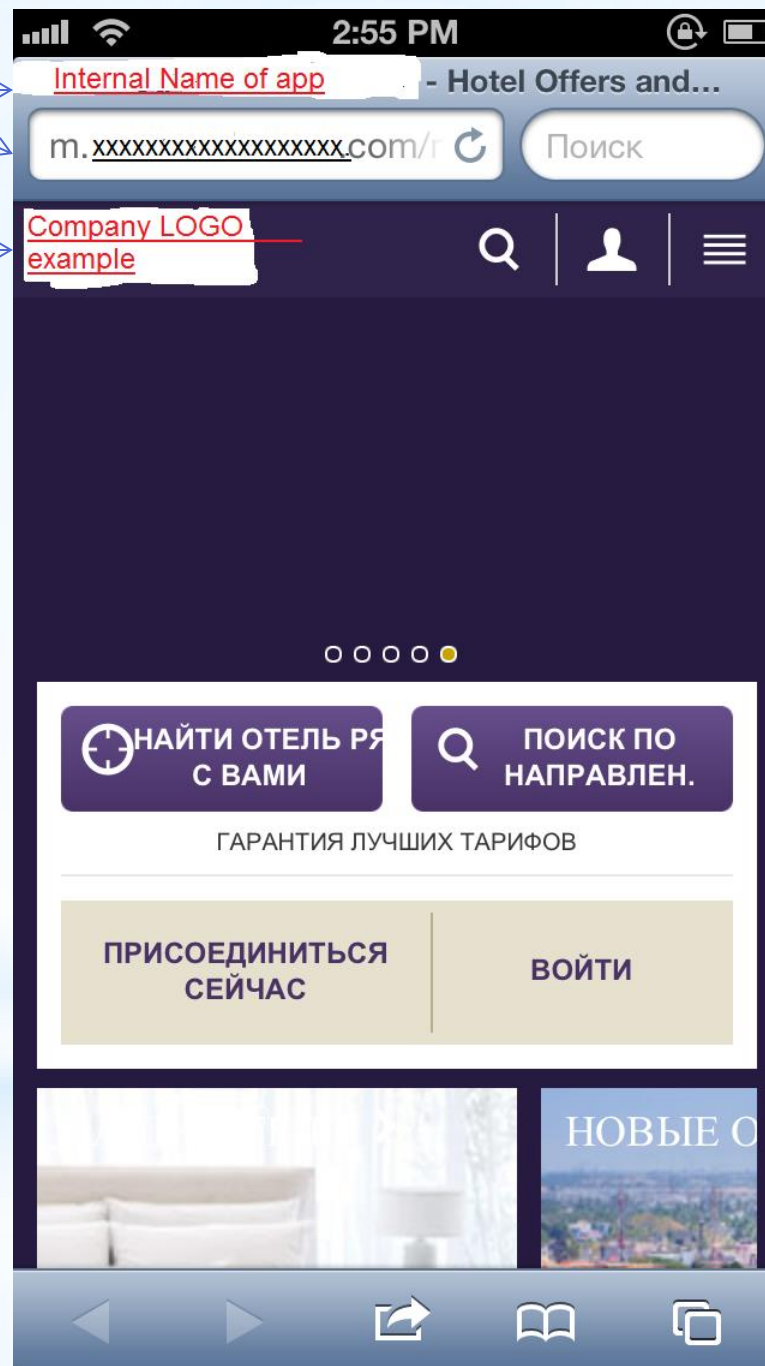
*Плата:* USD 0 - 21 в день

**Часы:**

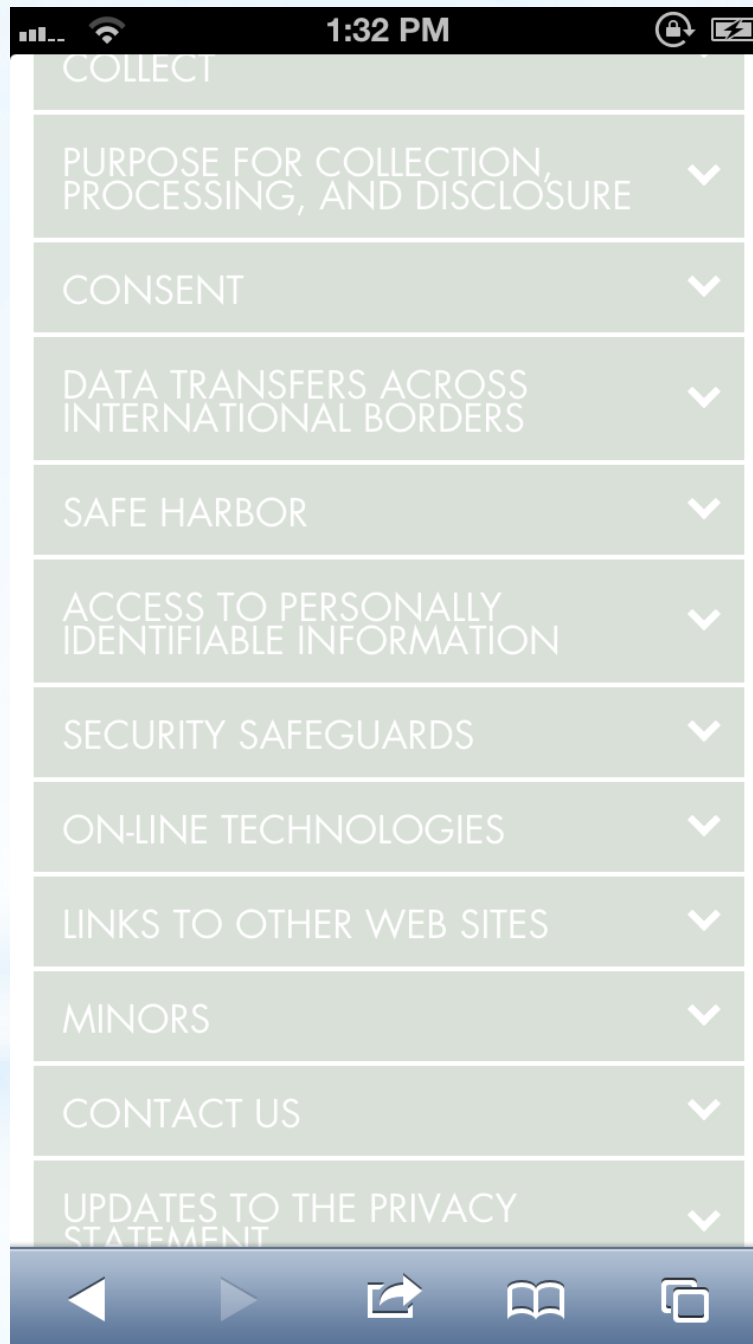
The hotel offers self-parking in an adjoining lot based on availability. A golf cart shuttle is available to assist guests.

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ТРАНСПОРТНЫХ ПЕРЕВОЗОК

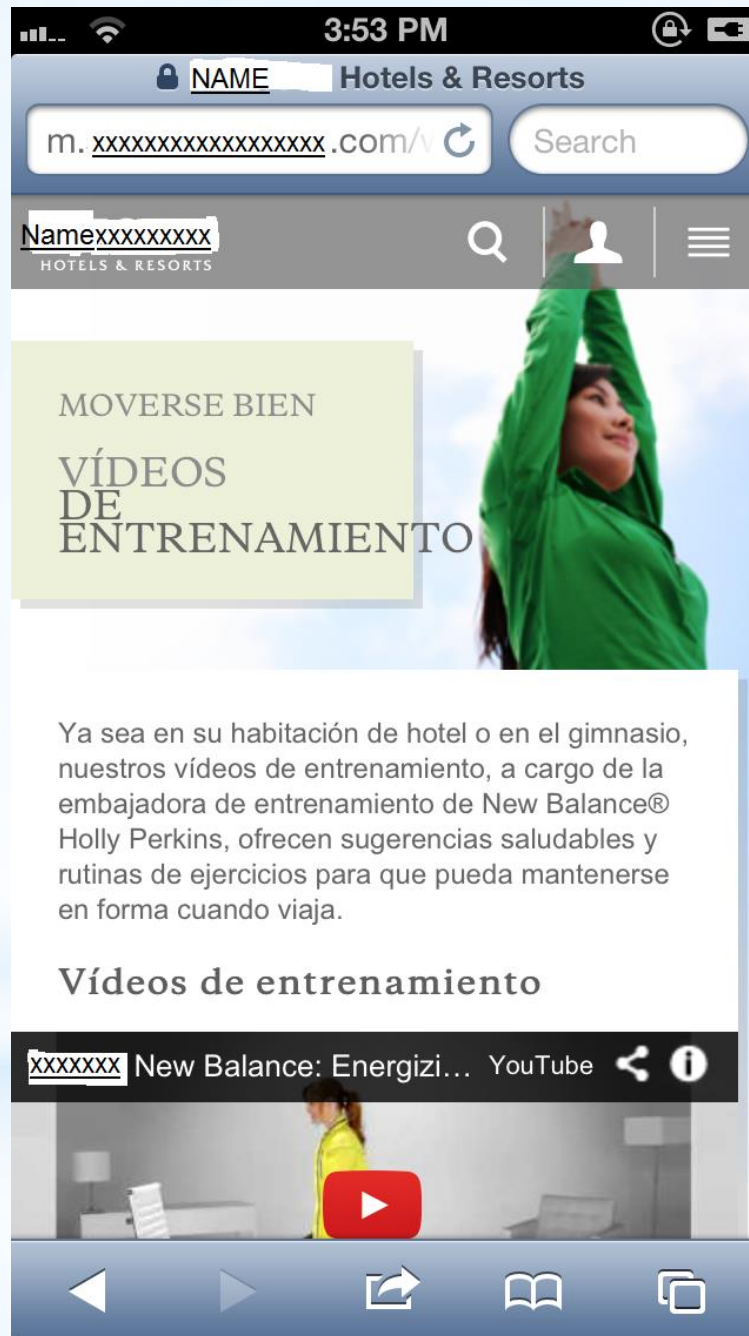
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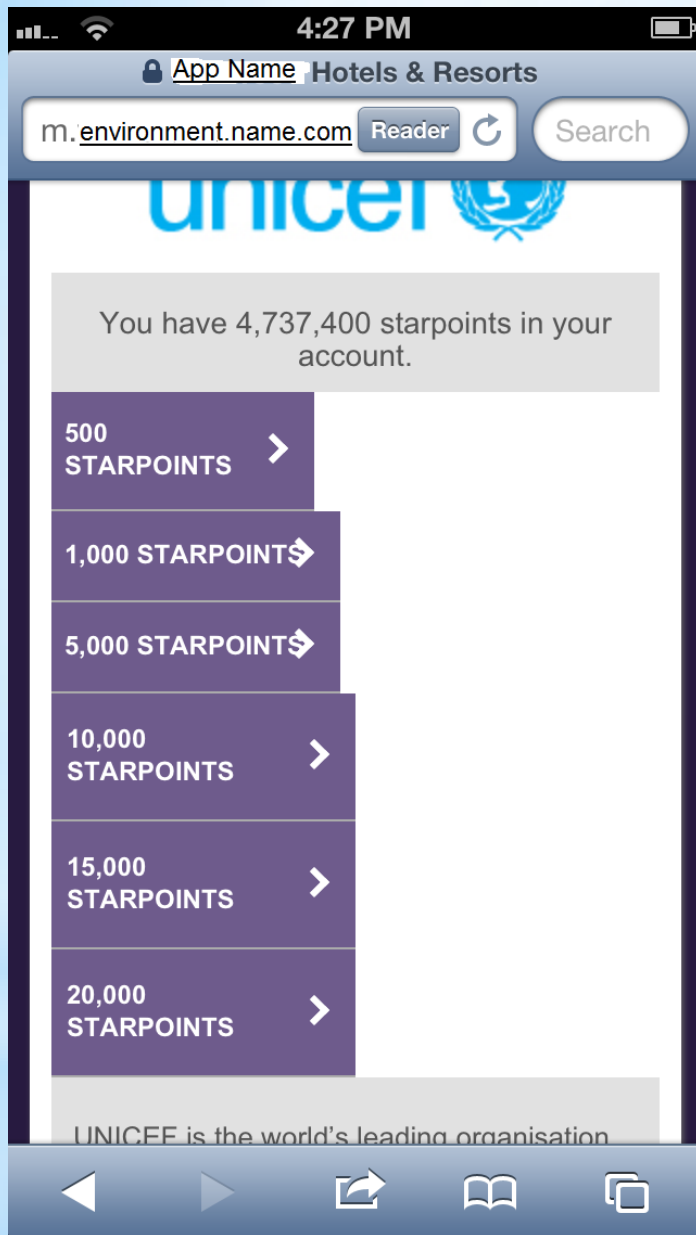
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Nicolas and François Bergerault founded L'atelier des Chefs in 2004 to encourage the young French urbanite population back into the kitchen. With fresh, seasonal recipes designed by in-house chefs, and classes catering to amateurs, beginners and everyone in between, L'atelier des Chefs are taking their passion for cuisine to a wider audience.



Nicolas and François began their careers in consultancy and marketing before combining their love for cuisine and entrepreneurship with L'atelier des Chefs. With their relaxed, accessible cookery classes, held in a chic environment, they seek to break the perception of haute cuisine as elitist, unattainable and time consuming. So far they have opened ateliers with accompanying cookery boutiques in France, Belgium, England and at Le Méridien Dubai.

complementarias en Francia, Bélgica, Inglaterra y en Le Méridien Dubai.

En calidad de socios LM100™, Nicolas y François Bergerault brindarán a Le Méridien una experiencia culinaria interactiva y progresista para sus hoteles y centros vacacionales al transformar las áreas abiertas en espacios creativos accesibles, dinámicos y divertidos.

Todos los soc

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SIGUIENTE ▶

5.253.299

AUFENTHALTE SEIT JAHRESBEGINN

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NÄCHTE SEIT JAHRESBEGINN

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## BEVORSTEHENDER AUFENTHALT

New York

W New York -  
Union Square03.09.13 bis  
04.09.13German

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