UX Wearables at Work

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Mainstream
Mobility

1. BEFORE WORK
2. TRAVELING
3. WALKING
4. AT WORK
5. TRAVELING
6. END OF THE DAY
Cloud
The Internet of Things — 3G, 4G

1. BEFORE WORK
   - 3G, 4G
   - Temp
   - Alarm
   - Coffee maker
   - Lights
   - Appliances
   - Garage door

2. TRAVELING
   - 3G, 4G
   - Maps
   - News updates
   - Smart phones

3. WALKING
   - 3G, 4G
   - Exercise sensor
   - Smart watches
   - Smart phones

4. AT WORK
   - 3G, 4G
   - Virtual conferences/presentations
   - Desktops, laptops, tablets, smart watches
   - Access to restricted areas

5. TRAVELING
   - 3G, 4G
   - Discount coupons
   - Smart phones

6. END OF THE DAY
   - 3G, 4G
   - Television and home computers
   - Security alarm
   - Smart phones

BEFORE WORK
TRAVELING
WALKING
AT WORK
TRAVELING
END OF THE DAY
The Internet of Things — WiFi

1. BEFORE WORK
   - WiFi
   - Temp
   - Alarm
   - Coffee maker
   - Lights
   - Appliances
   - Garage door

2. TRAVELING
   - WiFi
   - Maps
   - News updates
   - Smart phones

3. WALKING
   - WiFi
   - Exercise sensor
   - Smart watches
   - Smart phones

4. AT WORK
   - WiFi
   - Virtual conferences/presentations
   - Desks, laptops, tablets, smart watches
   - Access to restricted areas
   - Smart phones

5. TRAVELING
   - WiFi
   - Discount coupons
   - Security alarm
   - Smart phones

6. END OF THE DAY
   - WiFi
   - Television and home computers
   - Smart phones

BEFORE WORK
TRAVELING
WALKING
AT WORK
TRAVELING
END OF THE DAY
The Internet of Things — BLE

1. BEFORE WORK
   - Maps
   - News updates
   - Smart phones

2. TRAVELING
   - BLE

3. WALKING
   - BLE
   - Exercise sensor
   - Smart watches
   - Smart phones

4. AT WORK
   - BLE
   - Virtual conferences/presentations
   - Desktops, laptops, tablets, smart watches
   - Access to restricted areas
   - Smart phones

5. TRAVELING
   - BLE
   - Discount coupons
   - Smart phones

6. END OF THE DAY
   - Maps
   - News updates
   - Smart phones

- TV and home computers
- Security alarm
- Smart phones
- Smart watches
The Internet of Things — NFC/RFID

1. BEFORE WORK
   - Temperature
   - Alarm
   - Coffee maker
   - Lights
   - Appliances
   - Garage door

2. TRAVELING
   - Maps
   - News updates
   - Smart watches
   - Smart phones

3. WALKING
   - Exercise sensor
   - Smart phones

4. AT WORK
   - NFC/RFID
   - Virtual conferences/
     presentations
   - Desktops, laptops,
     tablets, smart
     watches
   - Access to
     restricted areas
   - Smart phones

5. TRAVELING
   - NFC/RFID
   - Discount coupons
   - Smart phones

6. END OF THE DAY
   - Television and
     home computers
   - Security alarm
   - Smart phones

BEFORE WORK
TRAVELING
WALKING
AT WORK
TRAVELING
END OF THE DAY
The Internet of Things — GPS

1. BEFORE WORK
   - Temp
   - Alarm
   - Coffee maker
   - Lights
   - Appliances
   - Garage door

2. TRAVELING
   - GPS
   - Maps
   - News updates
   - Smart phones

3. WALKING
   - GPS
   - Exercise sensor
   - Smart watches
   - Smart phones

4. AT WORK
   - Virtual conferences/presentations
   - Desktops, laptops, tablets, smart watches
   - Access to restricted areas
   - Smart phones

5. TRAVELING
   - Television and home computers
   - Discount coupons
   - Security alarm
   - Smart phones

6. END OF THE DAY
   - Smart phones
Three Elements of Context

WHERE

HOW

YOU
Geofencing
Geofencing

- Central Europe
- Countries and cities
- Travel
- Laws
BLE Beacons
BLE Beacons

Google Glass
Ambient Technology
Ambient Technology
Opportunity

Doctor

Hospital

WiFi geofencing

Personal records security
Opportunity

- Nurse
- Pharmaceutical company
- BLE

- Stock tracking
- Purchasing
- Security
Opportunity

Employee

Department store

WiFi

Time entry
Opportunity

Salesman
Customer site
BLE

Sales recommendation
UX Design Philosophy: Glance, Scan, Commit

**Glance** to see if anything needs attention

**Scan** for more details or take a small action

**Commit** to working on a particular task
Wearables Go to Work

We see wearables used for:
• Corporate health programs
• Medical diagnostics
• In-store retail experiences
• Online experiences
• Field and in-house services
• Warehousing and logistics
• Employee performance
• Contextual customer experiences

"Wearable technology could potentially save the field service industry alone $1 billion."

-Angela McIntyre, Gartner
First Generation - Activity Trackers
First Generation - Activity Trackers
Second Generation - Smart Watches
Heads-Up Displays
Heads-Up Displays - Google Glass
Smart Assistants

- Siri
- Cortana
- Google Now
- Amazon Echo
Use Cases
Use Cases

Google Glass: Live Video Streaming

Patent Pending & Copyright, Oracle 2014
Google Glass: Live Video Streaming

Patent Pending & Copyright, Oracle 2014
• More context
• Less steps
• Increased participation
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- @UsableApps @theappslab