



**POLITECNICO**  
MILANO 1863

## Usability Project

Hypermedia Applications

Reda Aissaoui - *reda.aissaoui@mail.polimi.it*

Zhanat Shengelbayeva - *zhanat.shengelbayeva@mail.polimi.it*

Lidong Zhang - *william1893@yahoo.com*

June 30, 2017

## **Introduction**

The goal of the Usability exercise is to evaluate the usability and user experience of a website. The content of the website is also reviewed. In order to perform this task, we defined three scenarios that will serve as a guideline. By performing the scenarios on the best, we evaluated the different heuristics and their relevance. The website to evaluate is [www.tim.it](http://www.tim.it). The browsing was done during the period 15<sup>th</sup> June to 30<sup>th</sup> June 2017.

# Scenarios

## Scenario #1

<b>User</b>	Potential client, foreign student (Italian language level is A2)
<b>Situation</b>	4G mobile internet for max 10 euro/month
<b>Goals</b>	To check what speed of internet is offered by the company and whether any special offers for students
<b>Actions</b>	Goes onto “OFFERTE” and chooses “MOBILE” then check all offers of the company, reads all information and decides to stop his choice on TIM Young&Music Limited edition.

## Scenario #2

<b>User</b>	Usual client
<b>Situation</b>	User has got an interesting message to his phone about possibility of using phone bills to buy different tickets
<b>Goals</b>	The user wants to know more about parking tickets and how to use it.
<b>Actions</b>	from the home page client clicks the SMART LIFE and chooses “Acquisti con Credito Telefonico” among listed options. He gets onto another page where presented various possible services which can be acquired with telephone.

## Scenario #3

<b>User</b>	Loyal client
<b>Situation</b>	He is using TIM SIM card right now and he also subscribed the TIMGames service. However, he has issues to start using the service, so he opened the TIM’s website to check out.
<b>Goals</b>	To check out how to get to use the TIMGames service
<b>Actions</b>	First he clicks the ASSISTENZA and selects the TV & Entertainment option then the page jumps to the TV & Entertainment page, he clicks the first link in the TIM Games area, he reads all contents but found nothing useful, now he wants to back to previous page to check other information then he clicks TIM Games at Breadcrumbs navigation.

## Evaluation

The following metric is used:

NA = this heuristic is Not Applicable

If Applicable: severity rate

- **0** = heuristic severely violated
- **1** = heuristic partially violated
- **2** = heuristic satisfied

### Scenario 1

#### Content heuristics

FEATURES	Applicability rate	Comment
<b>Accuracy</b>	2	The content describes perfectly the topic, in this case the offers.
<b>Currency</b>	1	The published time and validity time scope is not shown in offers. Nevertheless, it is not that important for this topic. (Screenshot 1-1)
<b>Coverage</b>	2	The coverage shows exactly what it talks about in subpage. (Screenshot 1-2)
<b>Content objectivity</b>	NA	The content objectivity is hard to evaluate, given that this is the website of a telecom company and it will of course be subjective in describing its products.
<b>Authority</b>	2	The author is company Telecom Italia
<b>Conciseness</b>	2	There is no boring long list of information. It is also well-organized and readable. Short sentences are used along with pictures.
<b>GENERAL COMMUNICATION QUALITY</b>		
<b>Text errors</b>	NA	Our level of Italian is not sufficient to evaluate this part and the website doesn't support internationalization.
<b>Multimedia consistency</b>	2	Multimedia well-chosen as the page gives quickly an idea about the services offered (Phone, Internet and Streaming Softwares)

#### Navigation heuristics

FEATURES	Applicability rate	Comment
<b>Segmentation</b>	2	The page is well segmented as in the right we have tabs that describe the different fragments: smartphone, how to activate ...
<b>Transition list</b>	2	There are links to go to other topics like a link to TIM's shops.
<b>Introduction list</b>	2	All offers by chosen group (in our case: mobile) are in one page
<b>Group navigation</b>	1	It does not allow to go to another offer you have to go back and only then you can see next offer's description
<b>Go back</b>	1	There is no go back button, but you can go back by clicking breadcrumbs or via browser go back button.

		However this always are some problems, whenever you click bread crumbs to go back , it may leads user to another page instead of the previous page which user read before.
<b>Landmarks</b>	2	The landmark is always there.
<b>Link consistency</b>	2	The links are consistence.
<b>Orientation clues</b>	2	Orientation clues are clearly seen
<b>Orientation clues – topic</b>	2	There is a navigation at the left side of the page, it can navigate user to different content in the same page and shows the current location to user.
<b>Group orientation clues</b>	2	
<b>Transition orientation clues</b>	2	

### Visual and Semiotic heuristics

Feature	Applicability rate	Comment
<b>Visual identity</b>	2	Visual properties match the visual identity of TIM
<b>Chromatic code consistency</b>	2	All piece of information is consistent with the brand and across the site
<b>Background contrast</b>	2	No difficulties in readability of the information
<b>Fond size</b>	2	Texts are easy to read
<b>Font color</b>	2	Easy to read
<b>Font type</b>	2	Easy to read
<b>Anchor identity</b>	2	Well highlighted
<b>Anchor states</b>	2	Well highlighted
<b>Icon consistency</b>	2	The visual properties of icons and positions in the page are consistent across the web site.
<b>Visual proximity</b>		Good arrangement
<b>Layout conventions</b>	2	Importance of the information is clearly shown; item relevancy is good.
<b>Semiotics</b>	2	Clear

### Cognitive heuristics

FEATURES	Applicability rate	Comment
<b>Information overload</b>	2	Each single page shows different information w.r.t topics.
<b>Classification adequacy within group topics</b>	2	Information gives by group with the way that they are easy to remember
<b>Website Mental map</b>	2	Web-site is created well-organized, it is easy to find information through useful information, fast tools at the bottom of the page

## Scenario #2

### Content heuristics

FEATURES	Applicability rate	Comment
Accuracy	2	The content corresponds the topic.
Currency	1	There are no sources that show the currency.
Coverage	2	The coverage is cool, it keeps the similar stylish with the main page though it is an independent page and the content exactly talks the topic which leads the user to here.
Content objectivity	2	Content objectivity is clear.
Authority	2	The author is company Telecom Italia
Conciseness	2	The page is pretty concise, there are no mountained paragraphs and letters.
<b>GENERAL COMMUNICATION QUALITY</b>		
Text errors	NA	Our level of Italian is not sufficient to evaluate this part and the website doesn't support internationalization.
Multimedia consistency	2	The pictures and videos are properly used, it corresponds to content and subject of the page.

### Navigation heuristics

FEATURES	Applicability rate	Comment
Segmentation	2	There are 5 different dialogue acts in same page but they are placed in different sub-section which is good and it's not complicate for users to read and browse, with simply scrolling mouse then users can browse different information and also they can easily go to different topics via clicking top menu bar(link). Check screenshot 2-2
Transition list	NA	There is no need of transition list in the page.
Introduction list	NA	Since there are only 5 topics so there is also no need of the introduction list, however there is an introduction page before entering into the page.
Group navigation	NA	
Go back	0	There is no go back button, the only way that you can go back to home page is via clicking logo but this leads user to another new window and this makes no sense so I give 0 to this point.
Landmarks	1	Since this page is totally independent of home page so there is no landmarks of main page, and I literally don't get the idea which makes this page totally independent of the main page so give this point 1 score.
Link consistency	NA	
Orientation clues	1	The underline in the menu bar indicates user where they are or which topic they are reading but it's not very accuracy, for instance, when user apparently comes to second topics and the underline is still under the first selection of the menu bar. (Check screenshot 2-4)
Orientation clues – topic	2	Same with the above.

<b>Group orientation clues</b>	NA	
<b>Transition orientation clues</b>	2	There are different titles and background colors which are used to differentiate different topics

### Visual and Semiotic heuristics

Feature	Applicability rate	Comment
<b>Visual identity</b>	2	Visual properties match the visual identity of TIM
<b>Chromatic code consistency</b>	2	This page keeps same stylish with main page.
<b>Background contrast</b>	2	The colors and background pictures used are proper and pleasurable.
<b>Fond size</b>	2	The font size is suitable for reading
<b>Font color</b>	2	The color is suitable.
<b>Font type</b>	2	There are few kinds of font types but all they are just right to read and distinguish for user.
<b>Anchor identity</b>	NA	
<b>Anchor states</b>	NA	
<b>Icon consistency</b>	2	The visual properties of icons and positions in the page are consistent across the web site.
<b>Visual proximity</b>		
<b>Layout conventions</b>	1	The picture takes more space than the main content. (Check screenshot 2-2,2-3)
<b>Semiotics</b>	2	All of these features are clear.

### Cognitive heuristics

FEATURES	Applicability rate	Comment
<b>Information overload</b>	2	The information of each topic is well organized and distinguishable.
<b>Classification adequacy within group topics</b>	NA	
<b>Website Mental map</b>	NA	

## Scenario #3

### Content heuristics

FEATURES	Applicability rate	Comment
Accuracy	2	For each offers they have instruction about it, basically, user can find some useful information.
Currency	NA	
Coverage	1	Seems the whole page left much margin on the right side but the structure is clear.
Content objectivity	NA	
Authority	2	Offered by TIM company.
Conciseness	2	The contents are clear and readable .
<b>GENERAL COMMUNICATION QUALITY</b>		
Text errors	NA	
Multimedia consistency	2	Images are consistent with the subject of the page.

### Navigation heuristics

FEATURES	Applicability rate	Comment
Segmentation	2	There is a
Transition list	2	
Introduction list	2	all offers by chosen group (in our case: mobile) are in one page
Group navigation	NA	There is no group navigation
Go back	0	There is no go back button, though the Breadcrumbs navigation on left top shows where you come from and where you are now and it allows you to go back to one step or even to home page, there is a problem you can easily into a 404 problem page via clicking Breadcrumbs.( <a href="https://www.tim.it/global/pageNotFound.jsp#section1">https://www.tim.it/global/pageNotFound.jsp#section1</a> ) (check screenshot 3-404)
Landmarks	2	It exists in every page and apparently to find.
Link consistency	2	All links go to similar style of pages according to topics.
Orientation clues	2	There is a Breadcrumbs shows it.
Orientation clues – topic	1	It's not clear for user.
Group orientation clues	1	It's not clear for user.
Transition orientation clues	NA	




### Visual and Semiotic heuristics

Feature	Applicability rate	Comment
Visual identity	2	Visual properties match the visual identity of TIM
Chromatic code consistency	1	It's not very clear but not affect discriminating
Background contrast	1	A little bit flat, some proper pictures could be used except that the page looks fine.
Fond size	2	Clearly and properly and consistently
Font color	2	Clearly and properly and consistently
Font type	2	Clearly and properly and consistently
Anchor identity	NA	
Anchor states	NA	
Icon consistency	NA	
Visual proximity		
Layout conventions	2	Importance of the information is clearly shown, item relevancy is good.
Semiotics		

### Cognitive heuristics

FEATURES	Applicability rate	Comment
Information overload	2	Each single page shows different information w.r.t topics.
Classification adequacy within group topics	2	Describes(layout) is split in different information objects according to different topics.
Website Mental map	2	

## Screenshots




Di cosa hai bisogno?

Carrello

Mail

### TIM Young&Music Limited Edition

5GB per navigare + 5GB per lo streaming musicale + 500 minuti



a **9,99 €**/28 giorni  
Attivazione 3€ - gratis online


**ATTIVA**

**Offerta**


Smartphone

Opzioni aggiuntive


Costi



**500 min**  
verso tutti



**5 GB**  
per navigare



**5 GB**  
per la musica in streaming dalle tue app preferite

SOLO SE ATTIVI ONLINE

Attivazione e 4 settimane **GRATIS** per nuovi clienti **ONLINE**

Hai meno di 30 anni?  
Con **TIM Young&Music Limited Edition** a **9,99€** ogni **28gg** fai il pieno di **Giga**, chiami, e ascolti musica in streaming dalle tue **APP** preferite sul tuo smartphone!

### Screenshot 1-1

Privati


Impresa Semplice

Chi siamo

Di cosa hai bisogno?

Carrello

Mail



OFFERTE >


PRODOTTI >

SMART LIFE >


ASSISTENZA >

MyTIM


Home > OFFERTE > Mobile




Voce e Internet




Internet su misura per te



Smartphone e Tablet a rate



Estero



Servizi Mobile e App

#### Voce e Internet

TIM Special

TIM Young


TIM Young Junior

TIM 60+

Altre Offerte

Piani Base


TIM Gift Card



**TIM SPECIAL Medium**  
Giga 4G, minuti e Serie A TIM per 6 mesi!

**SOLO PER NUOVI CLIENTI**  
**14,90 €/4 sett.**


**SCOPRI**



**TIM Young&Music Limited Edition**  
5GB per navigare + 5GB per lo streaming musicale + 500 minuti

**9,99 € ogni 28 giorni**

**SCOPRI**



**TIM 60+**  
L'offerta riservata agli over 60

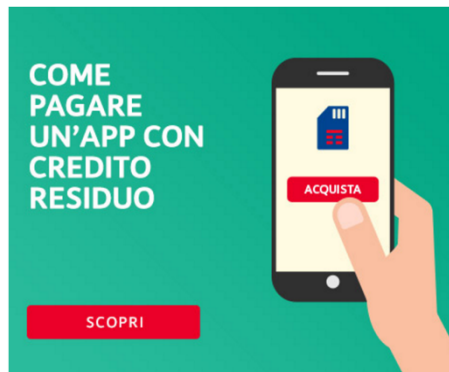
**SOLO ONLINE 4 sett. GRATIS**  
**12 €/4 sett.**

**SCOPRI**


### Screenshot 1-2


Con TIM puoi usare il tuo credito telefonico per effettuare i tuoi acquisti!


Scopri come acquistare ticket di sosta, biglietti di trasporto e le tue App preferite in modo semplice e sicuro



Screenshot 2-1

← → ↻ <https://www.tim.it/mobile-ticketing> 

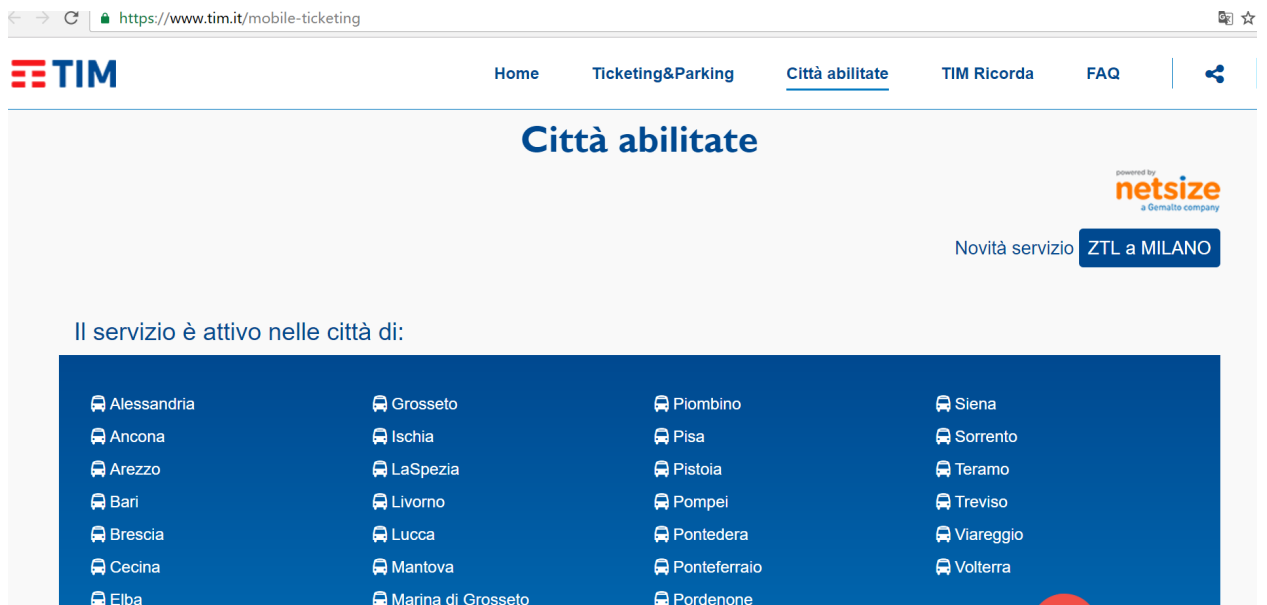
Home Ticketing&Parking Città abilitate TIM Ricorda FAQ 

The main content area features a large blue illustration of a city street with a bus, a person with a ticket, and a car with a parking 'P' sign. To the right of the illustration is a white box with the "MOBILE TICKETING & PARKING" logo at the top. Below the logo, the text reads: "COMPRA IL BIGLIETTO DEI MEZZI PUBBLICI E PAGA IL PARCHEGGIO CON IL TUO CREDITO TELEFONICO TRAMITE SMS O APP". Below this text is the "netsize" logo with "powered by" and "a Gemalto company" underneath. At the bottom of the white box are two buttons: a red one labeled "ACQUISTA CON SMS" and a dark blue one labeled "SCARICA L'APP TIM MOBILITY".

Screenshot 2-2



Screenshot 2-3



Screenshot 2-4

Privati
Impresa Semplice
Chi siamo
Di cosa hai bisogno?
Carrello
Mail

TIM
OFFERTE >
PRODOTTI >
SMART LIFE >
ASSISTENZA >
MyTIM

Home > ASSISTENZA > TV & Entertainment

TIMgames
TIMmusic
TIMreading
TIMvision

### TIMgames

**Scopri TIMgames**

- Cos'è TIMgames
- Tutti i modi per abbonarsi

**Dispositivi**

- Come accedere a TIMgames
- Conoscere l'App TIMgames

**Gestione del servizio**

- Come vedere i propri abbonamenti
- Come disattivare un abbonamento

## Screenshot 3-2

Privati
Impresa Semplice
Chi siamo
Di cosa hai bisogno?
Carrello
Mail

TIM
OFFERTE >
PRODOTTI >
SMART LIFE >
ASSISTENZA >
MyTIM

**Ops... non riusciamo a trovare la pagina che hai cercato**

Hai provato a fare una ricerca?  
Clicca sul simbolo della lente qui sopra e inserisci una o più parole chiave, oppure prova a cercare nel menu qui sopra

Torna Indietro
Torna alla Home Page

Oppure prova a visitare una di queste pagine:





## Screenshot 3-404