Design Project **Usability Evaluation**

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Abstract

This document aims to provide a detailed usability evaluation of some of the main pages of the TIM website.

This usability evaluation is based on a subset of Mile heuristics for usability evaluation.

I. Introduction to the TIM website

Being TIM one of the major italian ISP, its website should be one of the most important point of contact between the company and its customers and potential customers.

The current version of the website offers a wide range of services to the TIM's customer like:

- Recharging services
- Data plans activation services
- Mail services

At the same time, the website provides an overall view of all the services that a new customer might be interested in.

II. Scenarios

Scenario N°1

<Persona>

Luca is an undergraduate student of the Politecnico di Milano and he is a customer of one to the major Tim's competitors

</Persona>

<Setting>

Luca is coming home from the university and he hears from Spotify for mobile that Tim has some special offers for under 30 people and, in particular, for undergraduate students

</Setting>

<Goals>

Luca would like to get more information about those offers; if would like to get an overall idea of the data plans offered by Tim

</Goals>

<Actions>

Luca opens the Tim's website from his mobile phone and starts looking around for the offers that he heard on Spotify for under 30 people

</Actions>

Scenario N°2

<Persona>

Patrick is a young professional currently living in Milan.

</Persona>

<Setting>

He has been a loyal TIM customer for several years. During his studies, he was very cost-conscious. He regularly visited a supermarket to buy refill cards.

</Setting>

<Goals>

Now as a young professional, he is in search of a more comfortable solution to avoid running out of money occasionally.

</Goals>

<Actions>

Patrick visits TIM's website to look for information. At first the recharge call-to-action button catches his eyes. However, he has not used the online service yet, so he browses the details about it. He discovers an overview of the offered reload services on the offerings page.

</Actions>

<Outcome>

Finally, Patrick is satisfied with the information retrieval and sets up recurring payments to refill his account automatically.

</Outcome>

III. Results

Evaluation Sheet: Metrics

Score Value	Explanation
NA =	this heuristic is Not Applicable
0 =	heuristic severely violated
1 =	heuristic partially violated
2 =	heuristic satisfied

Evaluation Sheet: Scenario 1: Homepage (Mobile)

	Feature	Problem	Score	Comment	Screenshot Ref.
	Text	Accuracy	1	Only some offers that appear in the main banner slider report the price	#scenario_1_screenshot_1
<u>SS</u>		Currency	1	Only some offers that appear in the main banner slider report their temporal validity.	#scenario_1_screenshot_2
SIST		Coverage	2		
CONTENT HEURISTICS		Content Objectivity	2		
느		Authority	2		
		Conciseness	2		
Ö	General Communication quality (text, images,)	Text Errors	2		
		Multimedia Consistency	2		
	Navigation within a topic (information object, entity)	Segmentation	1		
	Navigation within a transition (Navigation between topics)	Transition list	1	For some transition links like "Smart life" and "Tim young" it isn't so clear the destination topic (or kind of topic)	
တ္	Navigation within a Group of groups of topics (collection, set of	Introduction list	2		
STIC	information objects)	Group Navigation	2		
E Sil	Backward Navigation	"Go back"	NA		
里	Overall Navigation	Landmarks	1		
<u>N</u>		Link consistency	1		
NAVIGATION HEURISTICS		Orientation clues	1	There's some orientation info but it doesn't provide the complete context with respect to the user navigation. For instance, by clicking on the "Offers" landmark link (that is a group link) and selecting one of the offers, the destination page doesn't show the original context "Offers".	
		Orientation clues - Topic	1		
		Group Orientation clues	1		
		Transition Orientation clues	1		
	Overall graphic design	Visual identity	1		
		Chromatic code consistency	1		
		Background	2		
		Font size	2		
SOL		Font color	2		
RIS.		Font type	2		
量		Anchor identity	2		
192		Anchor states	1		
O		Icon consistency	1	Some icons have the color red inside them and some icons don't.	scenario_1_screenshot_3
SEM	Page Layout	Visual proximity	1		
AL AND		Layout conventions	1	The link button "Entry in Tim" is relevant from the point of view of a potential new customer. It should be moved to the top of the page.	scenario_1_screenshot_6
VISU		Semiotics			
			2		

	Information architecture	Classification adequacy within group of topics	1	
		Website Mental map		
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HEURIST				
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NITIN			1	
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Ö				

Evaluation Sheet: Scenario 1: TIM Young Page (Mobile)

	Feature	Problem	Score	Comment	Screenshot Ref.
	Text	Accuracy	2		
ICS		Currency	2		
CONTENT HEURISTICS		Coverage	1		
E		Content Objectivity	2		
₽ T		Authority	NA		
		Conciseness	2		
SO	General Communication quality (text, images,)	Text Errors	2		
		Multimedia Consistency	2		
	Navigation within a topic (information object, entity)	Segmentation	NA		
	Navigation within a transition (Navigation between topics)	Transition list	1		
	Navigation within a Group of groups of topics (collection, set of	Introduction list	NA		
	information objects)	Group Navigation	2		
JRISTIC	Backward Navigation	"Go back"	0	There's no "go back" functionality that allows the user to go back without the support of the browser	
NAVIGATION HEURISTICS	Overall Navigation	Landmarks	0	The landmark links to main sections of the website are completely missing; they are replaced by some structural link concerning the "Tim Young" topic and some other links.	scenario_1_screenshot_4
AVIG		Link consistency	1		
Ž		Orientation clues	0	There's orientation info in this page that contextualize the user's navigation	
		Orientation clues - Topic	NA		
		Group Orientation clues	1		
		Transition Orientation clues			
S	Overall graphic design	Visual identity	0	The page completely shows a completely different identity with respect to the previous page (the home page). The identity of the company that was conveyed by the home page is changed drastically.	scenario_1_screenshot_5
VISUAL AND SEMIOTIC HEURISTICS		Chromatic code consistency	0	The colors do not represent the same company identity that is presented in the home page: even the logo and the trademark have different color	scenario_1_screenshot_5
		Background	2		
		Font size	2		
MIO		Font color	2		
		Font type	2		
		Anchor identity	1		
		Anchor states	1		
		Icon consistency	0	The icon that in the home page is associated to the button that shows the landmark links and a login form, has a completely different functionality in this page.	scenario_1_screenshot_7

	Single Page	Information overload	2	
EURISTICS		Classification adequacy within group of topics	NA	
COGNITIVE H		Website Mental map		This page seems to belong to a completely different website with respect to the one that is introduced by the home page. The user might lose all his/her understanding of the information architectures

Evaluation Sheet: Scenario 1: TIM Young And Music Page (Mobile)

	Feature	Problem	Score	Comment	Screenshot Ref.
	Text	Accuracy	2		
CONTENT HEURISTICS		Currency	2		
		Coverage	1		
		Content Objectivity	2		
P T		Authority	NA		
		Conciseness	2		
OS	General Communication quality (text, images,)	Text Errors	2		
		Multimedia Consistency	2		
	Navigation within a topic (information object, entity)	Segmentation	2		
	Navigation within a transition (Navigation between topics)	Transition list	1		
S	Navigation within a Group of groups of topics (collection, set of	Introduction list	1		
) E	information objects)	Group Navigation	1		
NAVIGATION HEURISTICS	Backward Navigation	"Go back"	0	There's no go back functionality	
田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田	Overall Navigation	Landmarks	0		
NO		Link consistency	0		
BAT		Orientation clues	0		
AVIC		Orientation clues - Topic	0		
Z		Group Orientation clues	0	Tim Yount And Music is a specific topic from the king of topic "Tim Young" but there's no indication of that in the page.	
		Transition Orientation clues	1		
	Overall graphic design	Visual identity	0	The visual properties of the page are completely different from the one that are shown in the home page of the website and in other contexts	
(0		Chromatic code consistency	1	The colors do not represent the same company identity that is presented in the home page: even the logo and the trademark have different colors	scenario_1_screenshot_8
Ö		Background	2		
JRIS		Font size	2		
핖		Font color	2		
TIC.		Font type	2		
MIO		Anchor identity	1		
SE		Anchor states	1		
AND	Page Layout	Visual proximity	1		
JAL,		Layout conventions	2		
VISUAL AND SEMIOTIC HEURISTICS		Semiotics	2		

	Single Page	Information overload	2	All information about the topic (Tim Young & Music offer) is divided into concise	
	Information architecture	Classification adequacy within group of topics	NA		
COGNITIVE HEURISTICS		Website Mental map	1	This page seems to belong to a completely different website with respect to the one that is introduced by the home page. The user might lose all his/her understanding of the information architectures	

Evaluation Sheet: Scenario 2: Homepage (Desktop)

	Feature	Problem	Score	Comment	Screenshot Ref.
	Text	Accuracy	2	consistent and accurate descriptions.	
		Currency	2	home page is typically current.	
		Coverage	2	teasers define the coverage of each section.	
		Content Objectivity	2	TIM wants to sell something on the home page.	
		Authority	NA	no specific authority can be identified on the home page	
		Conciseness	2	short and precise teaser texts on the home page	
	General Communication quality (text, images,)	Text Errors	2	no grammatical errors	
		Multimedia Consistency	2	all multimedia files consistent	
CONTENT HEURISTICS					
	Navigation within a topic (information object, entity)	Segmentation	NA	no specific topic on the home page	
	Navigation within a transition (Navigation between topics)	Transition list	NA	no transition lists on the home page	
	Navigation within a Group of groups of topics (collection, set of	Introduction list	2	clear navigation to goup of groups of topics (main navigation)	#scenario_2_screenshot_
	information objects)	Group Navigation	2	easy and quick navigation to and between member of groups	#scenario_2_screenshot_
	Backward Navigation	"Go back"	NA	no "go back" functionality on home page	
	Overall Navigation	Landmarks	2	clear landmarks on every page (main top navigation)	
	o to all transport	Link consistency	2	links are consistent between different pages	

		Orientation clues	NA	not appicable for home page	
တ္သ					
STIC					
Ë	Overall Navigation	Orientation clues - Topic	NA	not appicable for home page	
NAVIGATION HEURISTICS		Group Orientation clues	NA	not appicable for home page	
N O		Transition Orientation clues	2	clear transition state through mouseover on landmarks	#scenario_2_screenshot_1
AATI					
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	Overall graphic design	Visual identity	1	change between flat design and real images. weak consistency.	
		Chromatic code consistency	1	consistent UI colors.three different colors for call to action buttons.	#scenario_2_screenshot_2
VISUAL AND SEMIOTIC HEURISTICS		Background	1	general good text / background readiblity. However some images lack readability.	#scenario_2_screenshot_3
RIST		Font size	2	minimum font-size: 12px.	
		Font color	2	accurate colors	
C					
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JAL					
/ISI					

Г		Page Layout	Visual proximity	1	Some realtionships are a little bit confusing. E.g. "privati" "impresa semplice" and "chi	#scenario_2_screenshot_6
			Layout conventions	2	Most important thinks are on the top and larger.	
	VISUAL AND SEMIOTIC HEURISTICS		Semiotics	2	Clear semiotics	
		Single Page	Information overload	0	Too many groups / topics are presented on the home page	#scenario_2_screenshot_10
	HEURISTIC	Information architecture	Classification adequacy within group of topics	1	Partly non intuitive classification of the topics.	#scenario_2_screenshot_10
	COGNITIVE HEURISTICS		Website Mental map	0	Too complex. Almost impossible for the user to create mental map of site's structure.	

Evaluation Sheet: Scenario 2: Offering -> Mobile Phone

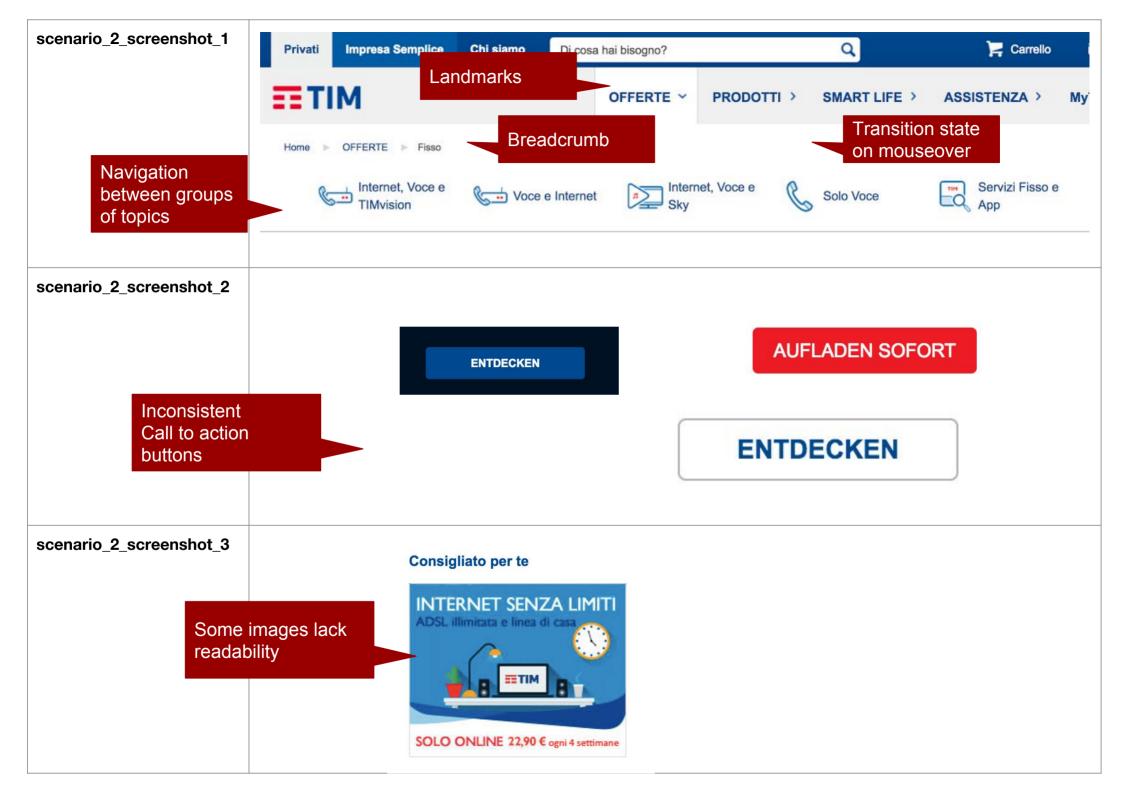
	Feature	Problem	Score	Comment	Screenshot Ref.
	Text	Accuracy	2	consistent and accurate descriptions.	
ICS		Currency	2	home page is typically current.	
RIST		Coverage	2	teasers define the coverage of each section.	
		Content Objectivity	2	TIM wants to sell something on the offering page.	
F F		Authority	NA	no specific authority can be identified on the offering page	
CONTENT HEURISTICS		Conciseness	2	short and precise teaser texts on the offering page	
Ö	General Communication quality (text, images,)	Text Errors	2	no grammatical errors	
		Multimedia Consistency	2	all multimedia files consistent	
	Navigation within a topic (information object, entity)	Segmentation	NA	no specific topic on the offering page	
	Navigation within a transition (Navigation between topics)	Transition list	NA	no transition lists on the offering page	
S	Navigation within a Group of groups of topics (collection, set of	Introduction list	1	Some confusing about strategy used for organizing the lists	#scenario_2_screenshot_7
	information objects)	Group Navigation	2	easy and quick navigation to and between member of groups	
HEURIST	Backward Navigation	"Go back"	2	Go back functionality over breadcrumb	
工	Overall Navigation	Landmarks	2	clear landmarks on every page (main top navigation)	
NAVIGATION		Link consistency	2	links are consistent between different pages	
/IGA		Orientation clues	2	Orientation with help of breadcrumb	#scenario_2_screenshot_1
¥ A		Orientation clues - Topic	NA	not appicable for offering page	
		Group Orientation clues	2	Orientation with help of breadcrumb	#scenario_2_screenshot_1
		Transition Orientation clues	2	Orientation with help of breadcrumb	#scenario_2_screenshot_1
	Overall graphic design	Visual identity	1	change between flat design and real images. weak consistency.	#scenario_2_screenshot_8
		Chromatic code consistency	2	consistent UI colors	
		Background	2	general good text / background readiblity.	
		Font size	2	minimum font-size: 12px.	
SS		Font color	2	accurate colors	
HEURISTICS		Font type	2	one consistent font type	
EU.R		Anchor identity	0	no consistent anchor identity. E.g. footer navigation links	#scenario_2_screenshot_9
		Anchor states	0	no consistent anchor states. No visiual feedback.	#scenario_2_screenshot_9
AND SEMIOTIC		Icon consistency	1	consistent icon style. However different colors.	#scenario_2_screenshot_5
	Page Layout	Visual proximity	1	Some realtionships are a little bit confusing. E.g. "privati" "impresa semplice" and "chi	#scenario_2_screenshot_6
Ş Q		Layout conventions	2	Most important thinks are on the top and larger.	
		Semiotics	2	Clear semiotics	
VISUAL					
N N					

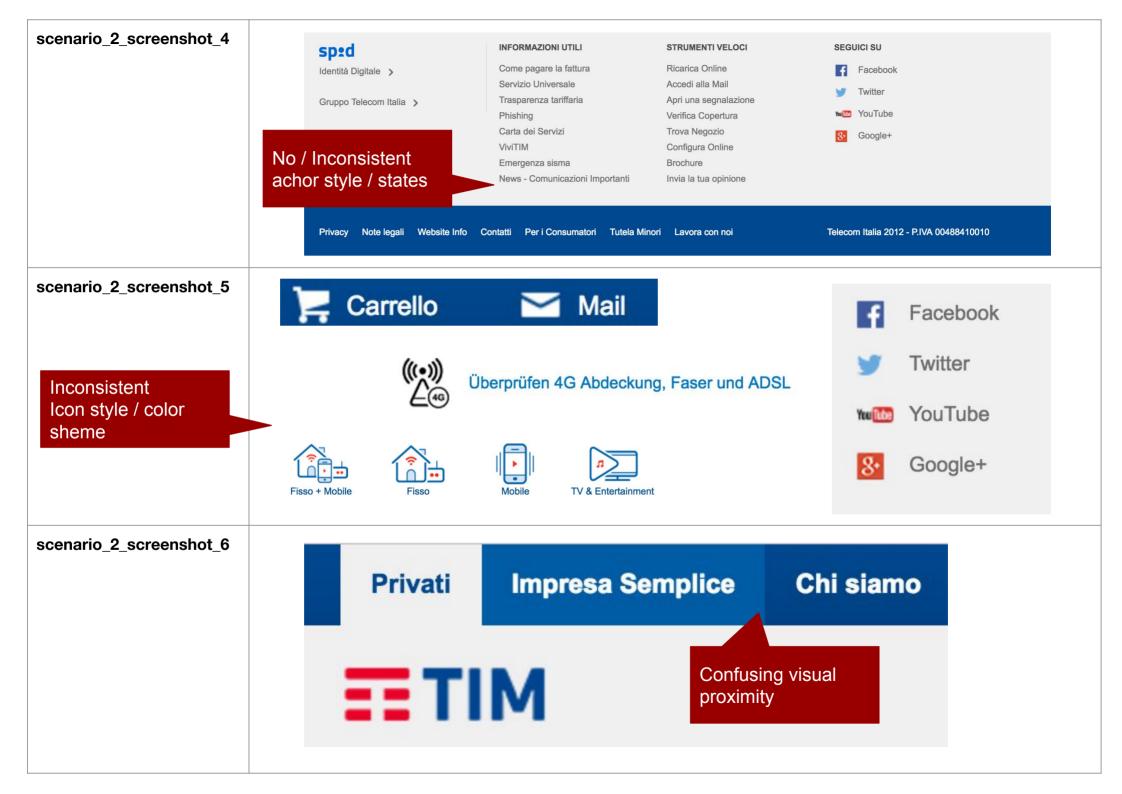
	Single Page	Information overload	0	Too many groups / topics are presented on the home page	#scenario_2_screenshot_11
	Information architecture	Classification adequacy within group of topics	1	Partly non intuitive classification of the topics.	#scenario_2_screenshot_11
COGNITIVE HEURISTICS		Website Mental map	0	Too complex. Almost impossible for the user to create mental map of site's structure.	

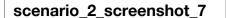
Evaluation Sheet: Scenario 2: TIM Automatica

	Feature	Problem	Score	Comment	Screenshot Ref.
	Text	Accuracy	0	Too much text. Not user oriented. Only for search engines (SEO)!	#scenario_2_screenshot_12
SOI		Currency	2	Offering should be current	
RIST		Coverage	0	Too much description text. Not clear what it is about.	#scenario_2_screenshot_12
EUF		Content Objectivity	1	Teaser tells TIM wants to sell something.	#scenario_2_screenshot_13
エ		Authority	NA	no specific authority can be identified on the offering page	
CONTENT HEURISTICS		Conciseness	0	Too much text. Not concise.	#scenario_2_screenshot_12
NOS	General Communication quality (text, images,)	Text Errors	2	no grammatical errors	
)		Multimedia Consistency	NA	No multimedia types	
	Navigation within a topic (information object, entity)	Segmentation	2	Within topic navigation is undestandable.	#scenario_2_screenshot_14
	Navigation within a transition (Navigation between topics)	Transition list	NA	no transition lists on the offering page	
SO	Navigation within a Group of groups of topics (collection, set of	Introduction list	NA	no introduction list	
ISTI	information objects)	Group Navigation	1	Navigte between group members via breadcrumb	
NAVIGATION HEURISTICS	Backward Navigation	"Go back"	2	Go back functionality over breadcrumb	
工	Overall Navigation	Landmarks	2	clear landmarks on every page (main top navigation)	
(TIO		Link consistency	2	links are consistent between different pages	
/IGA		Orientation clues	2	Orientation with help of breadcrumb	
NAN		Orientation clues - Topic	2	User can immediatly see position within topic	#scenario_2_screenshot_14
		Group Orientation clues	2	Orientation with help of breadcrumb	
		Transition Orientation clues	2	Orientation with help of breadcrumb	
	Overall graphic design	Visual identity	NA	No visual properties	
		Chromatic code consistency	2	consistent UI colors	
		Background	2	general good text / background readiblity.	
		Font size	2	minimum font-size: 12px.	
		Font color	2	accurate colors	
		Font type	2	one consistent font type	
		Anchor identity	0	no consistent anchor identity. E.g. footer navigation links	#scenario_2_screenshot_15
		Anchor states	0	no consistent anchor states. No visiual feedback.	#scenario_2_screenshot_15
MIO		Icon consistency	NA	No icons	
	Page Layout	Visual proximity	1	Some realtionships are a little bit confusing. E.g. "privati" "impresa semplice" and "chi	
		Layout conventions	2	Most important thinks are on the top and larger.	
JAL,		Semiotics	2	Clear semiotics	
VISUAL AND SEMIOTIC HEURISTICS					

	Single Page	Information overload	0	Too much text information.	#scenario_2_screenshot_12
URISTICS	Information architecture	Classification adequacy within group of topics	0	No adequate classification. Not memorizable.	#scenario_2_screenshot_12
		Website Mental map	0	Too complex. Almost impossible for the user to create mental map of site's structure.	#scenario_2_screenshot_12
COGNITIVE HEURISTICS					
0					



















Confusing strategy used for organizing the lists

TIM Special

TIM Young

TIM 60+

Altre Offerte

Piani Base

TIM Gift Card



SOLO PER NUOVI CLIENTI 15 €/4 sett.

SCOPRI



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

9,99 € ogni 28 giorni

SCOPRI



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

SCOPRI

scenario_2_screenshot_8

change between flat design and real images. weak consistency.







TIM Special

TIM Young

TIM 60+

Altre Offerte

Piani Base

TIM Gift Card







Inconsistent anchor Style / states

pri tutte le Offerte e le Tariffe di Telefonia Mobile TIM, per chiamare, inviare SMS e navigare da mobile con la tariffa più adatta alle tue esigenze.

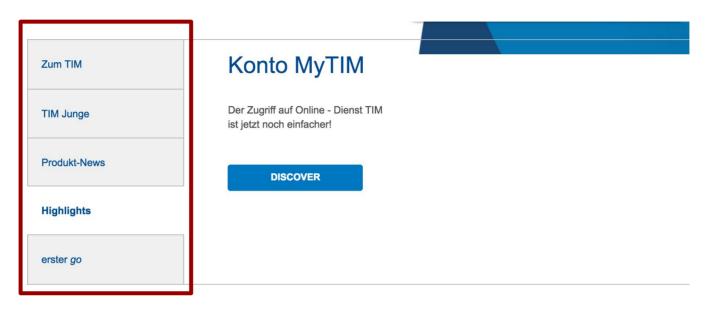
telle *offerte Voce e Internet mobile* per chiamare e navigare dal tuo smartphone con la velocità del *4G*.

Sei spesso all'estero oppure vuoi rimanere in contatto con il tuo paese d'origine? Scegli una tariffa agevolata per le chiamate internazionali e telefona senza pensieri dall'Italia e dall'estero!

Personalizza la tua tariffa di telefonia mobile aggiungendo un'opzione internet per navigare da pc e tablet e abbinando uno smartphone a rate o un tablet a rate a partire da 0€ al mese!

Gestire la tua linea telefonica mobile TIM è semplicissimo: scopri tutti i servizi mobile e app per accedere alle offerte di intrattenimento, ricaricare e controllare i costi della tua SIM in totale sicurezza.

Too many topics



TIM zu Ihren Diensten



Too many topics



TIM Special

TIM Young

TIM 60+

Altre Offerte

Piani Base

TIM Gift Card



TIM SPECIAL Voce+Dati
Giga 4G e minuti

SOLO PER NUOVI CLIENTI 15 €/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

Internet su misura per te

Internet Start

Internet Large

Internet XL

Internet 50 GB

TIM TURBO GIGA



INTERNET START

4GB di Internet 4G

Solo per clienti con linea fissa TIM 5 €/4 sett.

SCOPRI



RICARICA SUBITO I TUOI GIGA!

Scegli l'offerta tra Giga Extra e Opzioni Internet Aggiuntive

a partire da 1,90 €

SCOPRI

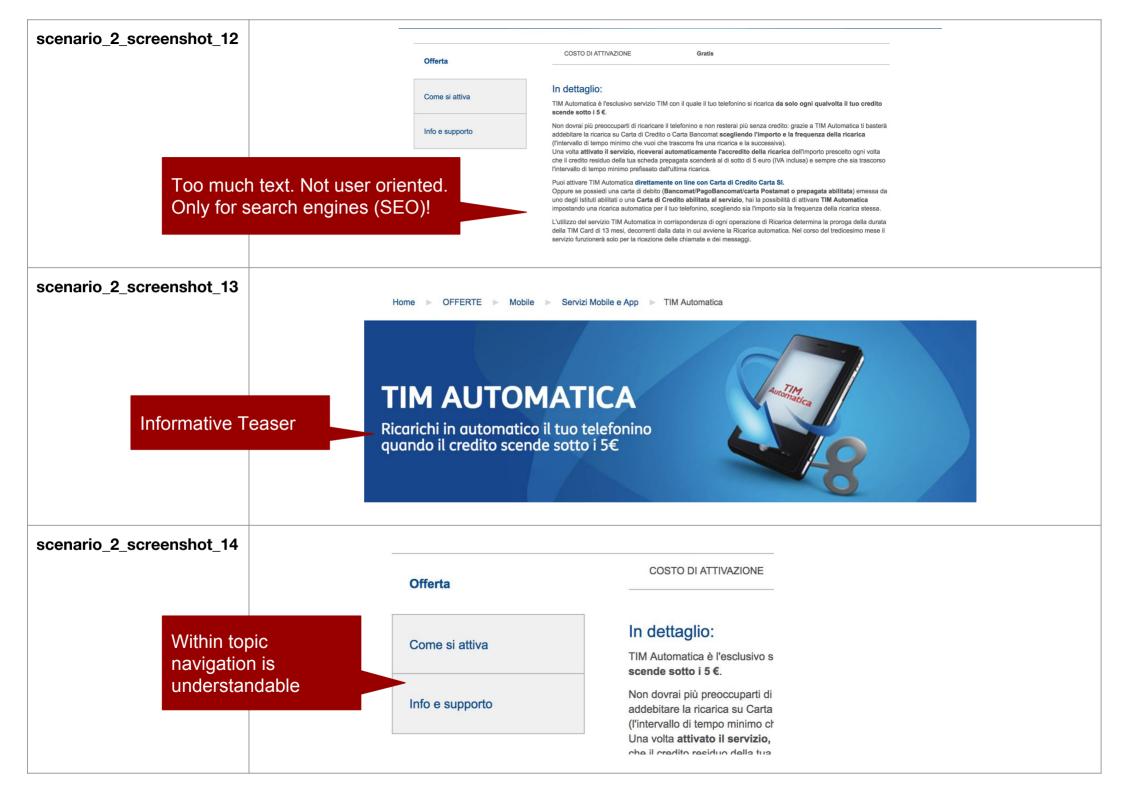


INTERNET 50 GB

Fino a 50GB di Internet 4G

99 € il 1° anno poi 89 €/anno!

SCOPRI



Come si attiva

Puoi attivare "TIM Automatica":

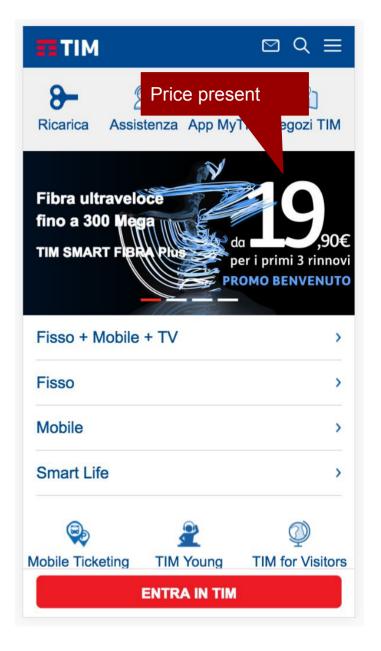
Direttamente online con Carta di Credito CartaSi

- · Con Carta di Credito abilitata al servizio
- Con Carta di debito (Bancomat/PagoBancomat/Postamat o prepagata abilitata)

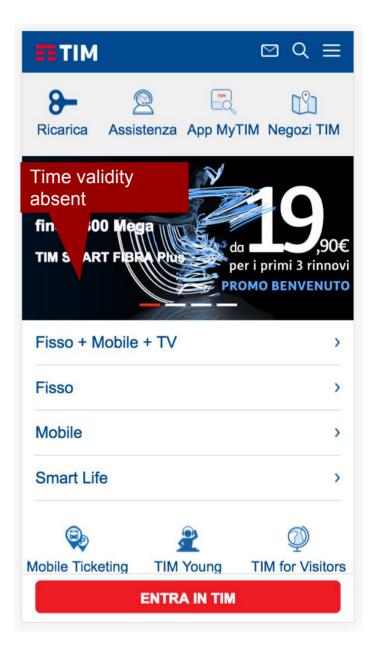
No consistent anchor Links. No proper highlighting.

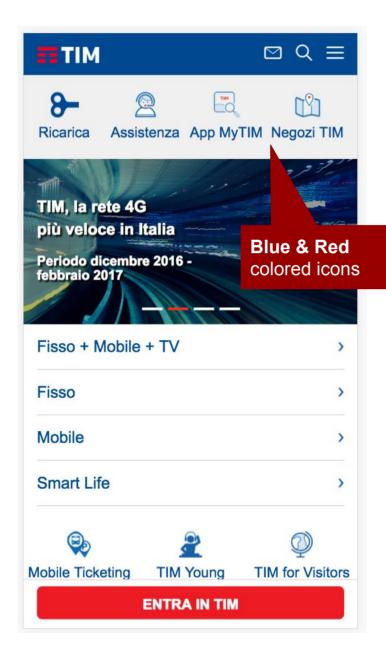
Attivazione direttamente on line con Carta di Credito CartaSi Se possiedi una carta di credito CartaSi, puoi avare TIM Automatica direttamente online. Dopo aver cliccato sul pulsante "ATTIVA", dovrai autenticarti e seguire le indicazioni. Cliccando sul pulsante "MODIFICA/DISATTIVA" potrai invece modificare il tuo profilo o disattivare TIM Automatica direttamente online.

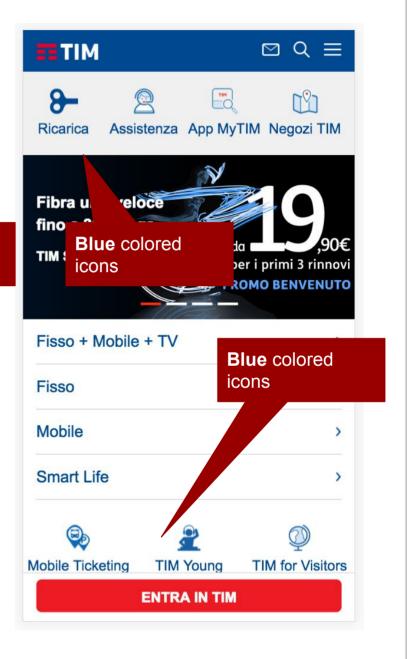




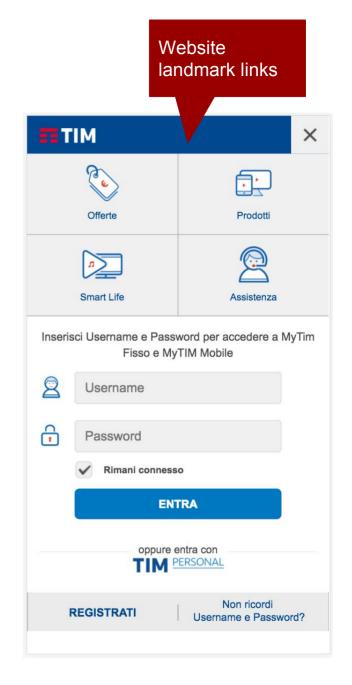




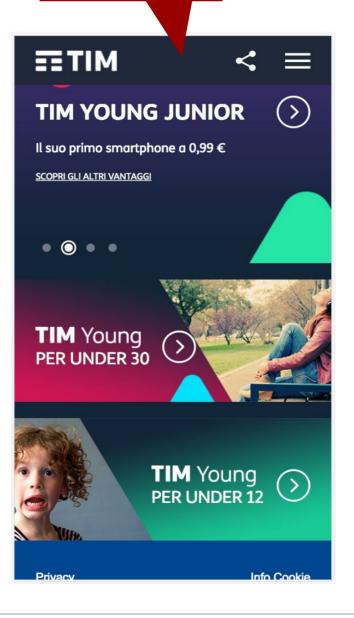








Dark theme with white version of logo and trademarrk

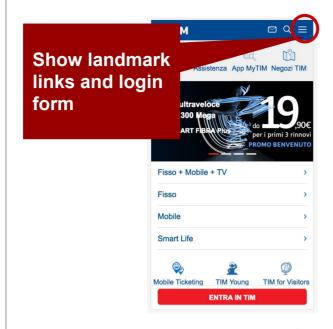


Light theme with colored version of the logo



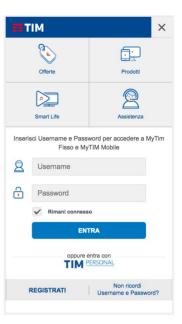


Relevant link is placed at the bottom of the page











Dark theme with white version of logo and trademarrk

Different chromatic codes

Light theme with colored version of the logo



