



"Next Generation OPAC" systems

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"Next Generation OPAC" systems

1. Intro

The concept of "Next Generation OPAC" (new generation OPAC) is already an established formula that refers to new types of interfaces and features available to readers by modern libraries. This presentation deals in the first section with what is generally accepted and expected from such a system OPAC 2.0 (Next Generation OPAC). In the second section will be presented extended functional features available in the TINREAD. Expert system, WebOPAC module.

This material is the full version of the presentation that took place on September 7, 2011 at the National Conference of ABR in Sibiu, presentation was a practical approach, being made directly using an online system.

The presentation can be downloaded from www.tinread.ro, page "Brochures and presentations".

1.1. "Next Generation OPAC" Concept

Unprecedented dynamic range of IT&C has led directly to the reformulation, reorganization and redefining concepts recent considered. We talked a while about Web 2.0 and, mostly, this is not a strictly technological revolution. This concept is a redefinition of traditional web space which is evolving as essential toward: user became a content provider.

Real "2.0" fashion did not let insensitive neither the libraries and librarians. Library 2.0 is already established within a coherent package of strategies and directions of development and modernization services. FRBR, together with the concept of "Multiple MARC Formats" (MARC multiple formats coexisting in a catalog) were named MARC 2.0 but the term seems not to have the required consistency in terminology field.

In this regard, in practical terms, the concept OPAC 2.0 is a well-defined term, even consecrated we could say. Mentioned in various contexts by professional works, the concept was clearly defined, structured and operationalized by a work that was dedicated to: BREEDING, Marshall. Next-Generation Library Catalogs. In: Library Technology Reports, Vol. 43, no. 4, July / August 2007, ISSN 0024-2586. Publication edited by ALA devoted this issue to the subject, and author Marshall Breeding, author and editor of www.librarytechnology.org, needs no presentation.

1.2. Standard features

In the above-mentioned work we review some of the most important problems of traditional OPAC systems: advanced search interfaces, insufficient intuitive, poorly adapted standards for Web 2.0, the lack of relevance of the clustering process results, limited search areas (library resources), limited handling of content (multimedia, full-text), lack of socialization functions etc.

We add a simple general observation that the traditional OPAC system gives the reader information available in traditional library modules (Cataloguing, Circulation, Acquisitions, Serials Control). With the advent of new modules (ERM, Federated Search, Digital Libraries etc.) OPAC systems have extended their functionality and gives users access to information through a single access point (portal) that transparently consolidates these resources.

In his work, Marshall Breeding analyzes the systems available on the market and summarizes essential functional features that define the new type of OPAC interface. These features that complement the traditional functionality are:

- modern web interface.
- enriched content,
- faceted navigation,
- search by keyword relevance,
- search suggestions (did you mean?).
- readers recommendations,
- reviews and
- ranking,
- RSS,
- Integration with social networks.

In the presentation of the practical approach, all of these features have been exemplified using TINREAD system.

1.3. Extended features

In addition to the basic functionality of a modern OPAC system, developers of library systems also provide other types of information and specific functionalities. In the second section of the presentation will be exemplified the most interesting developments available in TINREAD system, namely:

- Google like searches; integration of multiple features in a unified "package" search and presentation of information, including:
 - predictive input
 - search suggestions (did you mean?)
 - fuzzy matching
 - o ¾ Rule
 - o relevancy
 - search ranking
 - others

- Popular choices,
- Top titles; The most:
 - o popular,
 - o borrowed,
 - reserved.
 - best rated etc.
- Tag cloud
- Bookmarks
- Traditional Digital Library
 - o images, collections of images, maps or other large files specially processed (zoom toolbar, Google like maps)
 - o audio, collections of audio
 - video, collections of video
 - o abstract, full-text (with search functions, highlighting the search terms, hyperlinks, etc.)
 - o any combination of the above
- Extended Digital Library (read/write)
 - o annotation system and interaction with the work text
 - highlights,
 - comments
 - critical notes,
 - text discussions (questions, answers, solutions)
 - errata
 - e-learning system (teaching guidelines)
 - ... more (subject of a separate presentation material)
- Copyright management system (DRM = Digital Rights Management)
 - allowed access only to users with special rights
 - allowed access from the Intranet and/or Internet
 - o number of allowed concurrent accesses to a digital material
 - age group which a material is addressed
 - free/with payment
 - other items in accordance with the DRM standards in effect
- Access to resources (covers, video, abstract, full text) available in external sources
 - WebOPAC functions corresponding with ERM module (Electronic Resources Management)
- Socialization of the common themes of reading (searching by topics of annotations made by readers)
- FRBR type navigation (cataloged MARC records) etc.

Mobile devices, Web 2.0 space

Will also be presented TINREAD interfaces available for:

- Mobile devices (mobile phone, smartphone),
- tool (toolbar) search available directly in the web browser,
- search gadget of the library system available directly on the desktop (Windows 7 / Vista).

In the presentation of the practical approach, all of these features have been exemplified using TINREAD system.

1.4. Traditional WebOPAC features

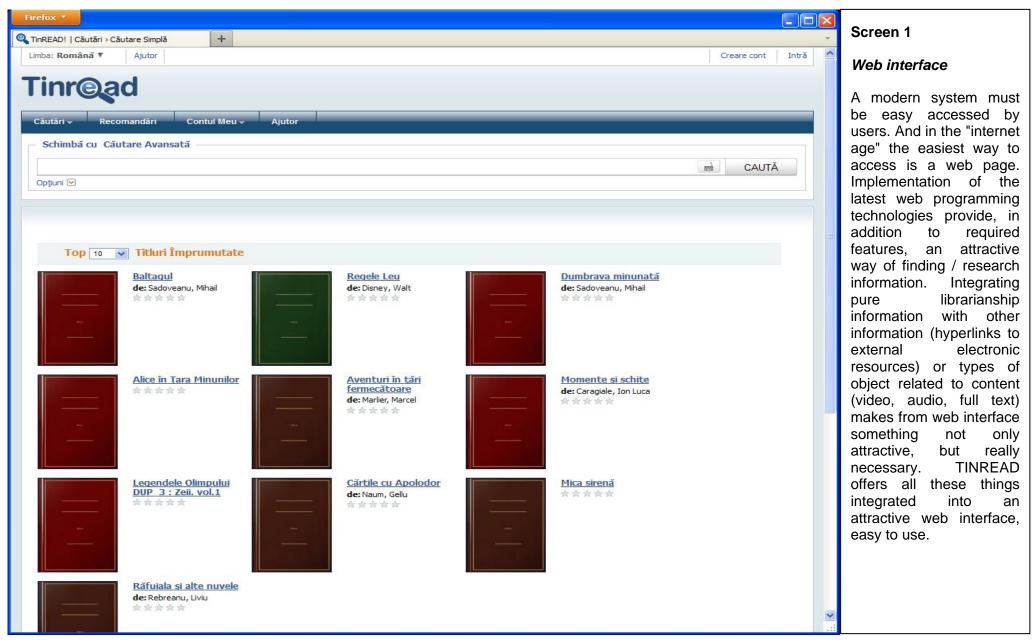
Since this material is dedicated to presenting the functionality of the new generation OPAC type, other traditional functions available in regular WebOPAC systems were not mentioned and are not the purpose of this presentation.

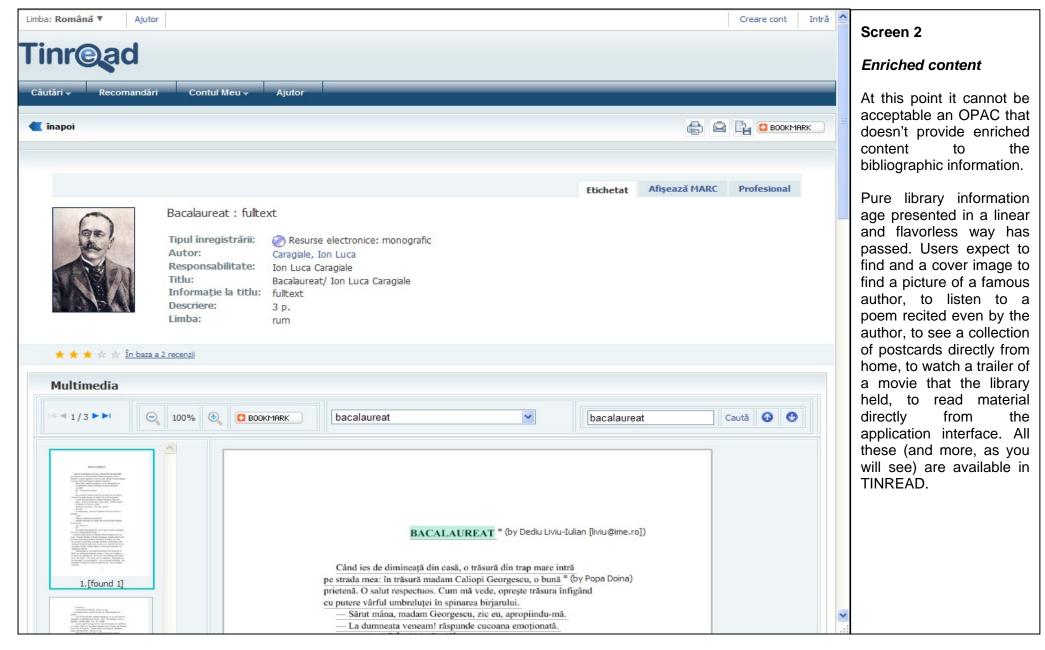
For completeness we found it necessary to mention some of them in order to highlight the essential characteristics of a traditional WebOPAC namely integration system with four modules considered standard for such systems: Cataloguing, Circulation, Acquisitions and Serials Control. In this regard were extracted in a separate chapter some relevant examples, not to claim to be exhaustive.

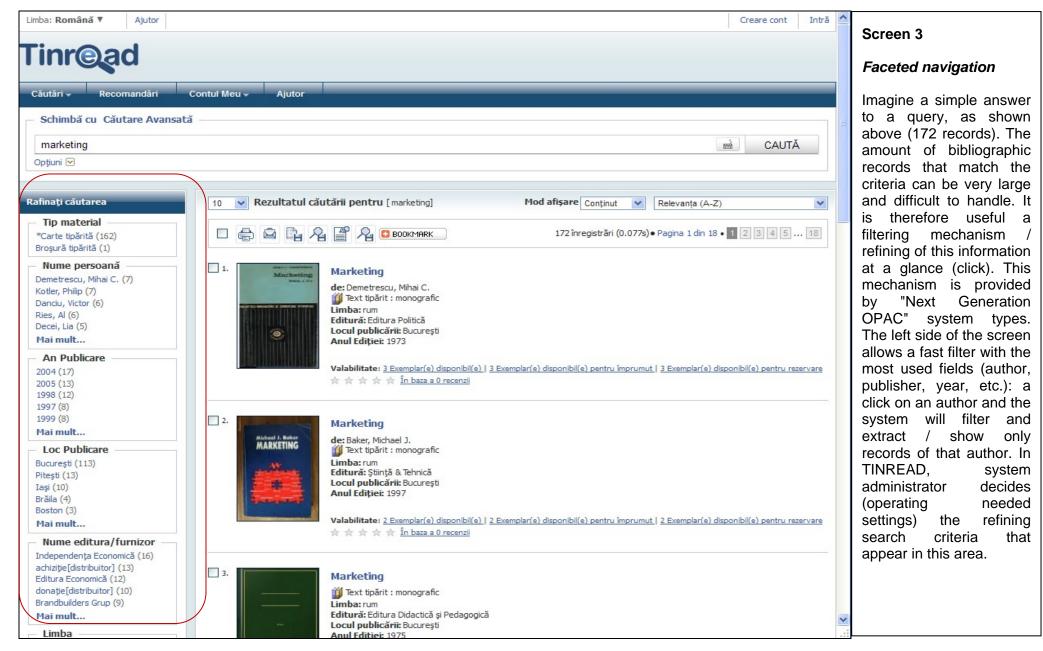
For a complete overview of the TINREAD WebOPAC module, please see the dedicated brochure.

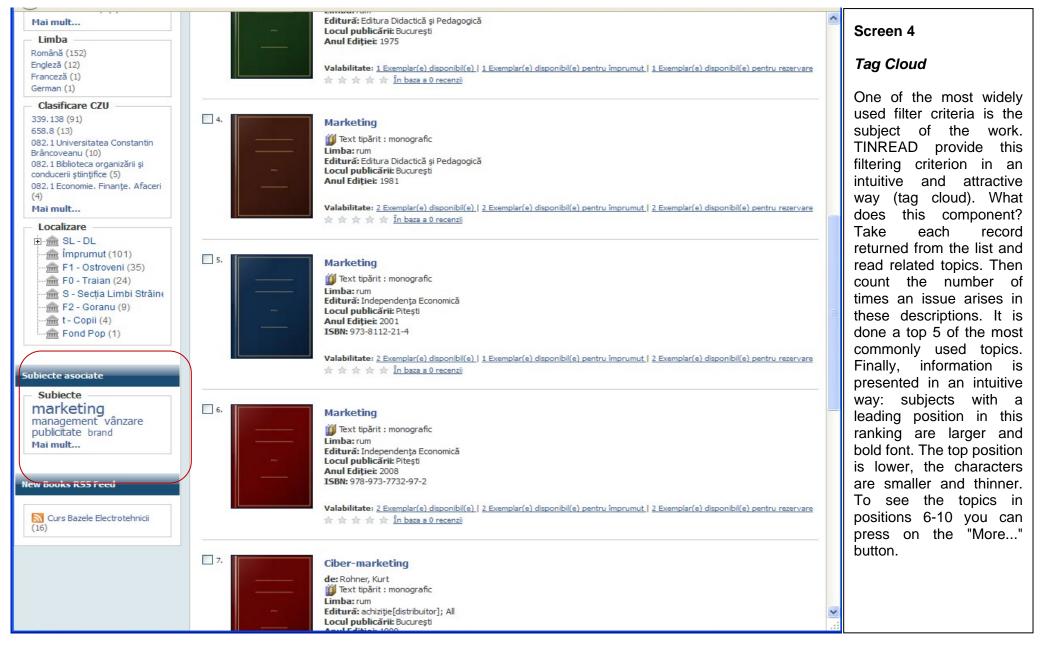
2. "Next Generation OPAC" standard features

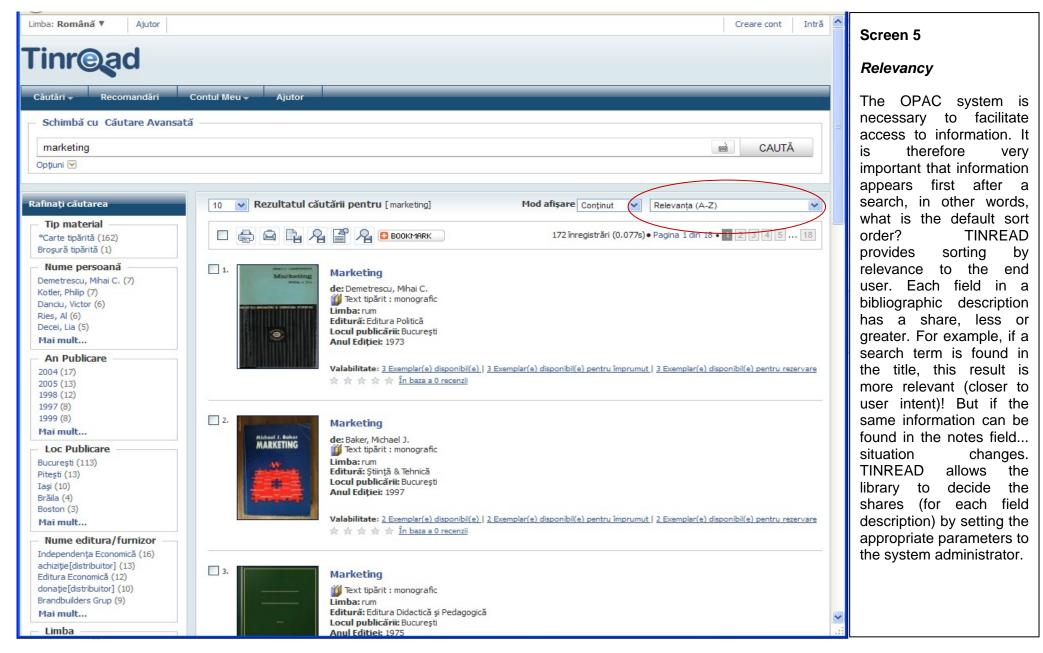
In this chapter we will present relevant screenshots for this group of functions with appropriate explanations available on the right side of the screen.

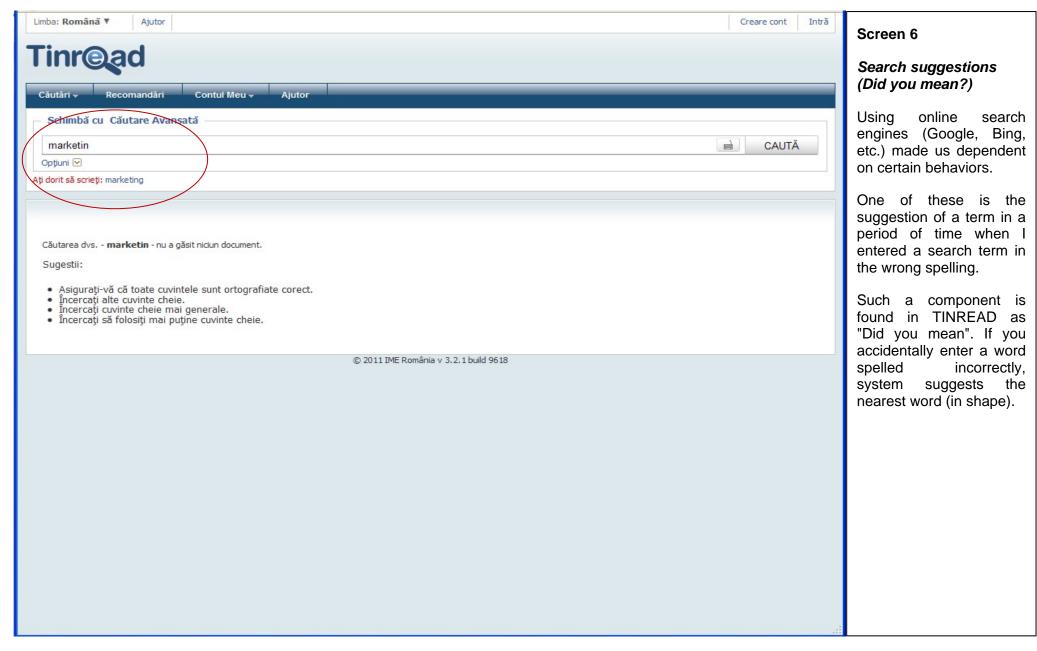


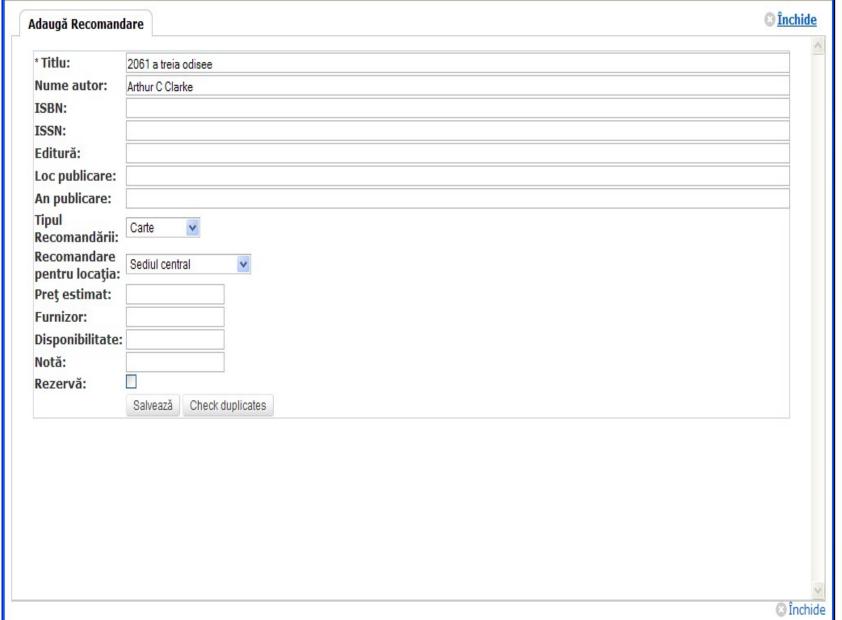












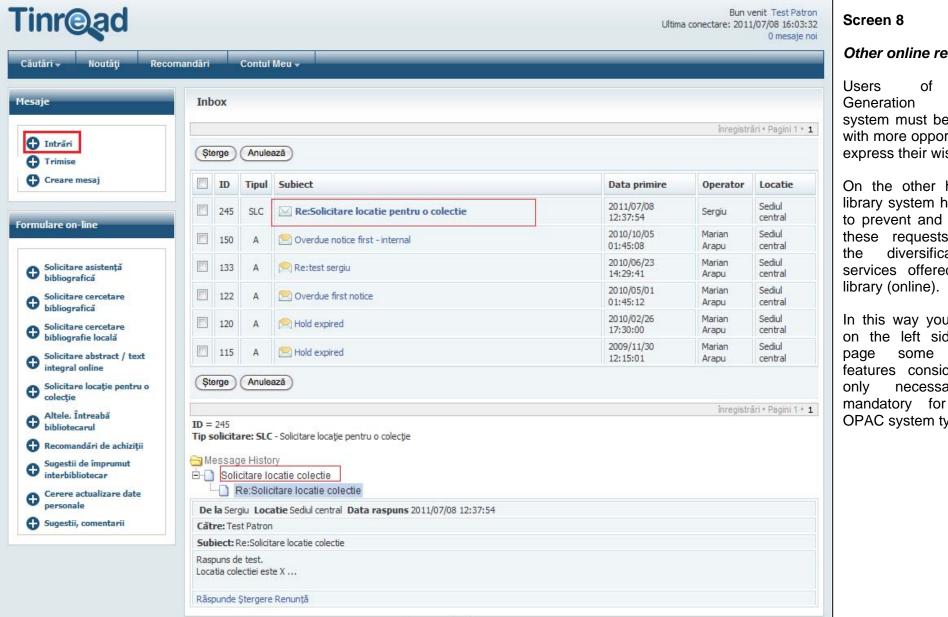
Screen 7

Procurement recommendations

A step in the grievous service of readers suggest to purchase securities. And in the TINREAD readers have the opportunity to recommend a title to be purchased by the library.

addition to the information required to identify the acquisition (title, author, etc.), TINREAD allows the reader and introduce help information for the librarian purchaser: possible provider (where he saw the book), price, availability (online, at bookstore etc.).

TINREAD also allows the reader to request the reservation of title. Once a copy is available in the library, the reader will be announced to come to pick up the copy.

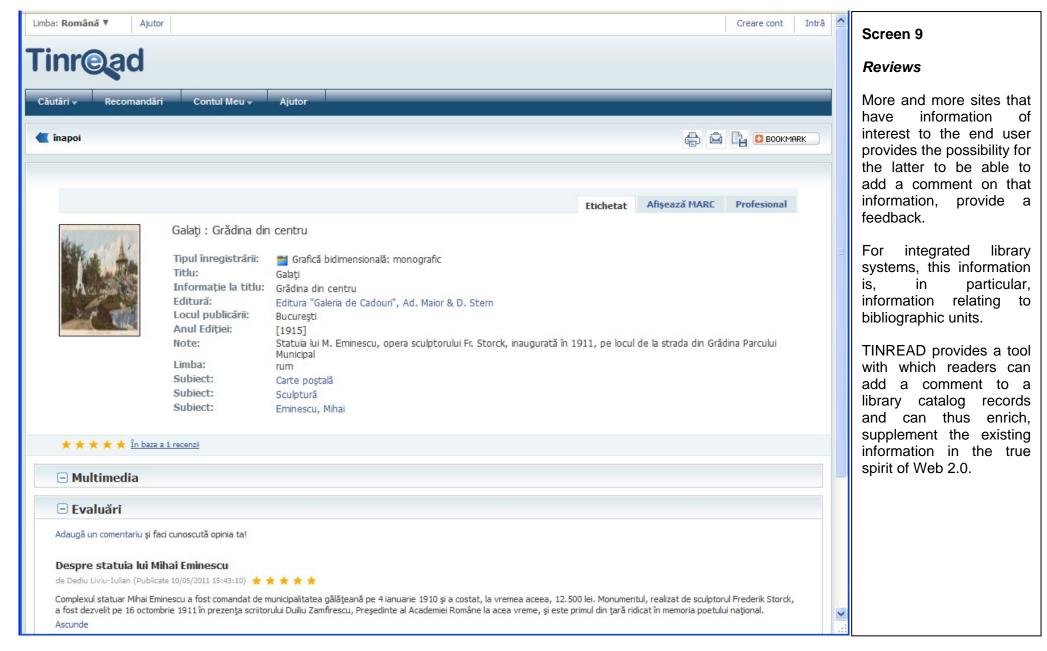


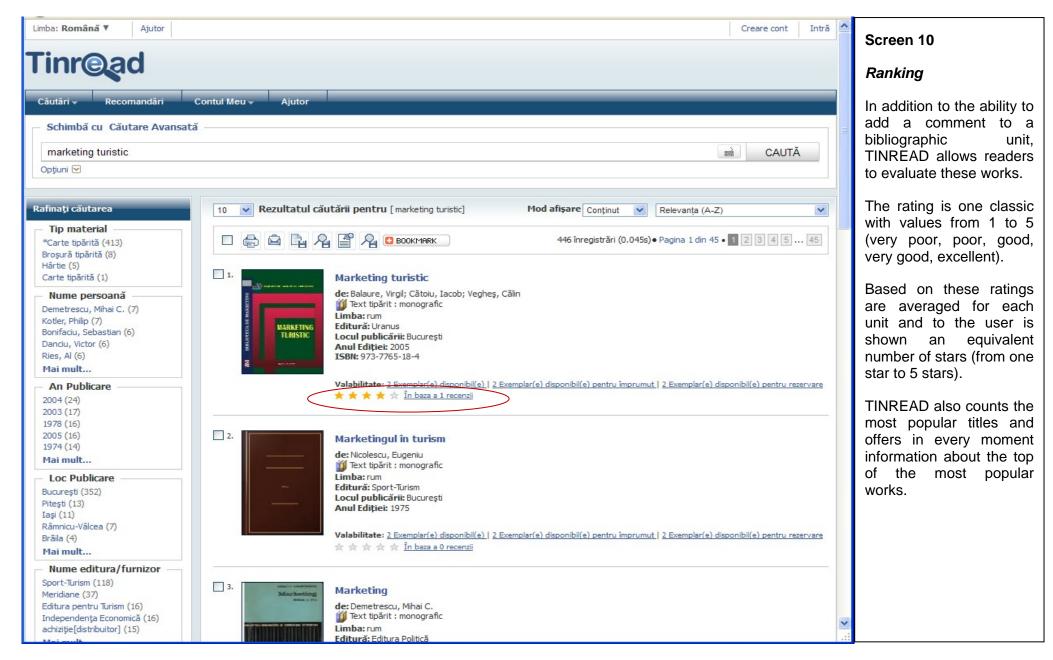
Other online requests

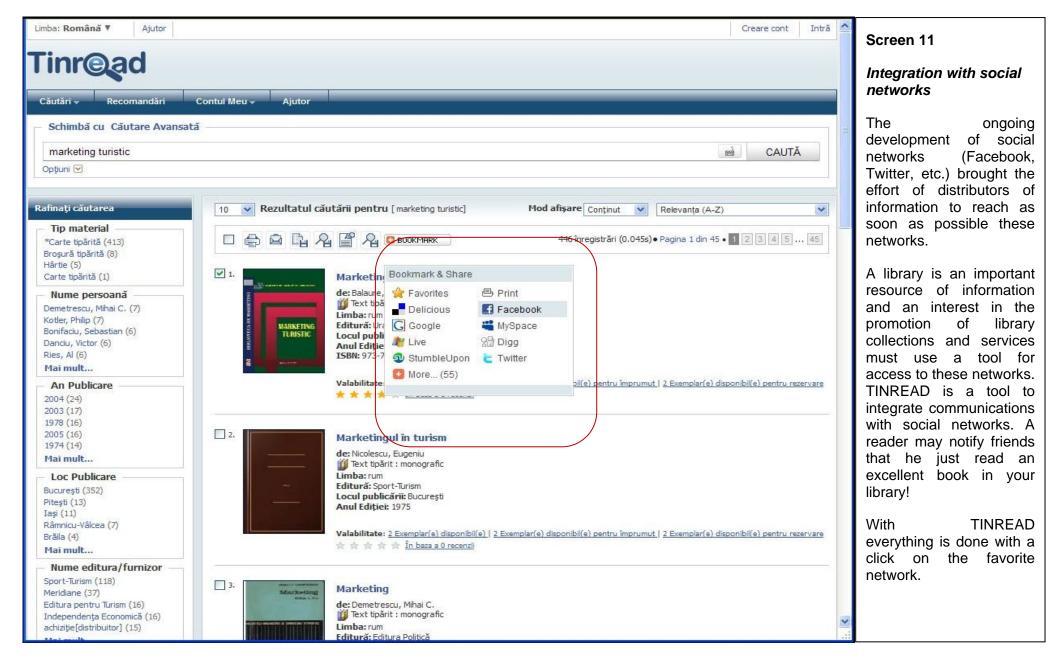
"Next-OPAC" system must be provided with more opportunities to express their wishes.

On the other hand, the library system has to turn to prevent and anticipate these requests through diversification services offered by the

In this way you can see on the left side of the page some of the features considered not necessary, mandatory for modern OPAC system type.









Curs Bazele Electrotehnicii

Anul I, Bibliografie curs

Actionări electrice: manual destinat studentilor facultăților de electrotehnică



Acționări electrice: manual destinat studenților facultăților de electrotehnică

de: Tunsoiu, Gheorghe; Saal, Carol; Seracin, Eugen Limba: rum

Editură: Editura Didactică și Pedagogică

Locul publicării: București Anul Ediției: 1982

Analiza și simularea sistemelor neliniare: probleme neliniare în electrotehnică, electronică si automatică



Analiza și simularea sistemelor neliniare: probleme neliniare în electrotehnică, electronică și automatică

de: Stănciulescu, Florin Limba: rum

Editură: Editura Academiei R.S.R. Locul publicării: București

Anul Editiei: 1974

Bazele electrotehnicii



Bazele electrotehnicii

Limba: rum

Editură: Editura Didactică și Pedagogică Locul publicării: București

Anul Ediției: 1969

Bazele electrotehnicii: circuite electrice: teorie și aplicații



Bazele electrotehnicii: circuite electrice: teorie si aplicatii

de: Andrei, Horia

Limba: rum

Editură: Bibliotheca

Screen 12

RSS

tincead

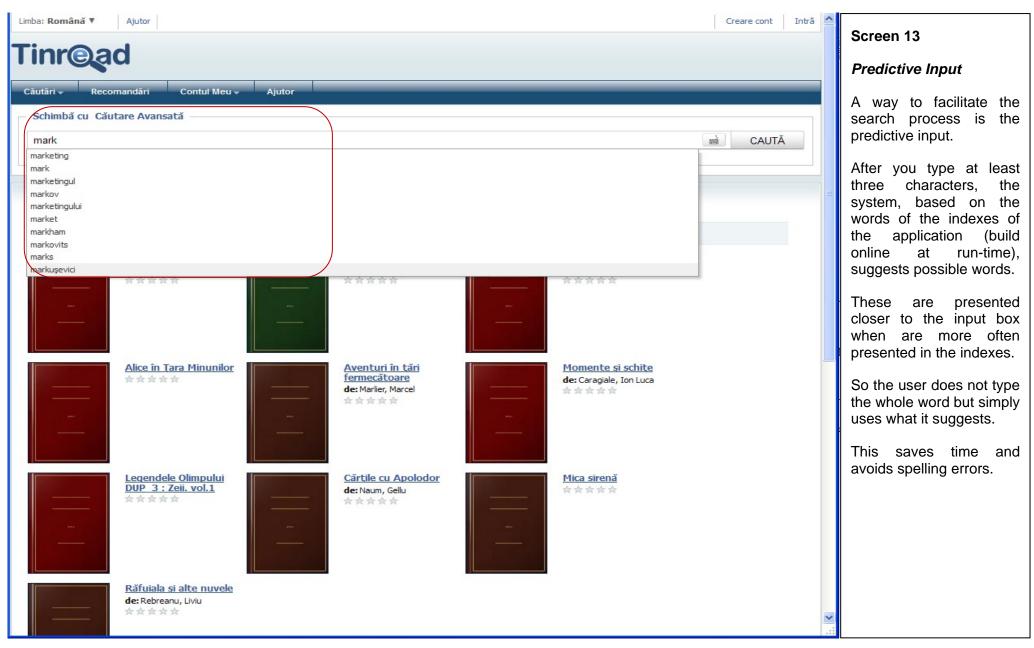
A traditional method of promoting a library's collections is publication of newsletters. with new entrants in the library (or other works of particular interest. determined bγ the librarian).

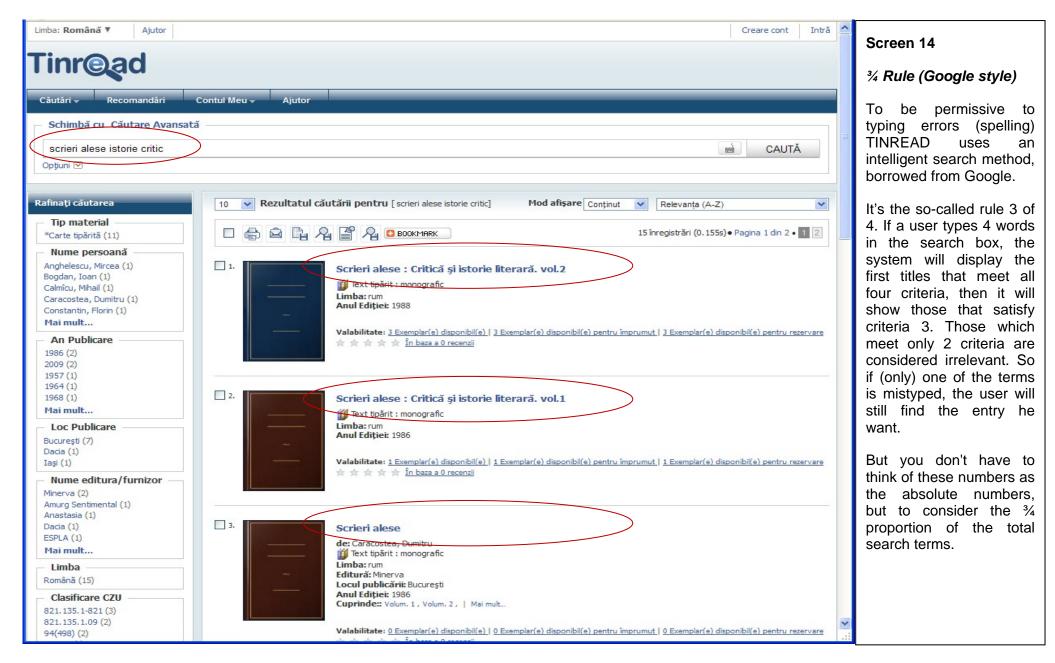
Obviously, lists and reports will be published online. Sometimes, the promptness with which information reaches the recipient can be critical. For this reason, the "Next-Generation OPAC" system type allows the library to create an RSS feed with these news. A reader interested in news or subscribe to the signals that flow and from that moment on, every time a new headline appears in this list, the reader will receive an RSS ad.

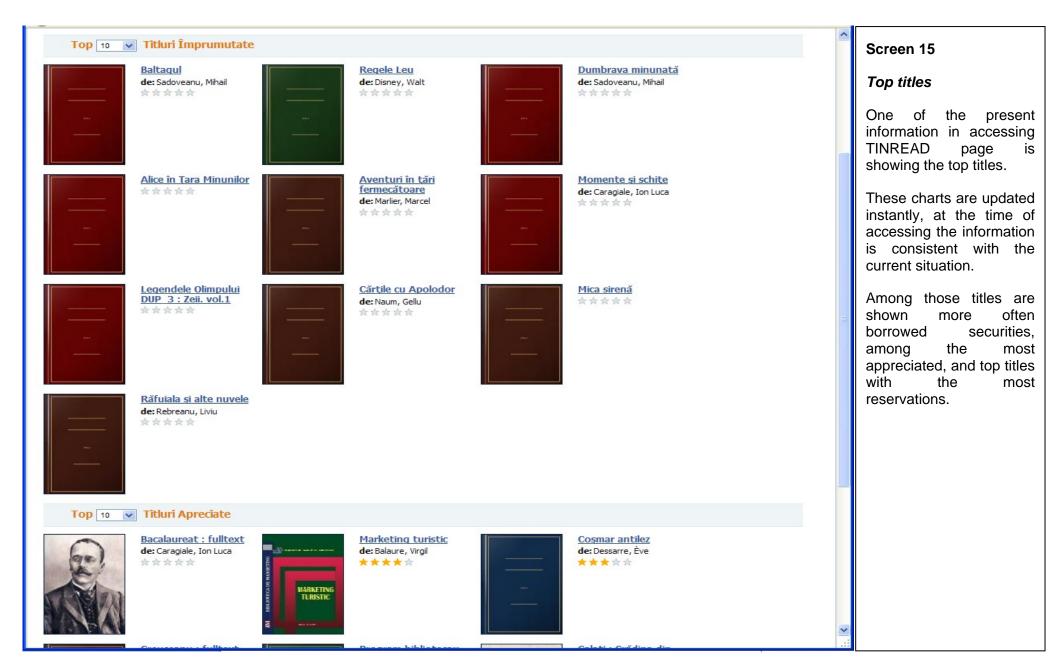
3. "Next Generation OPAC" extended features

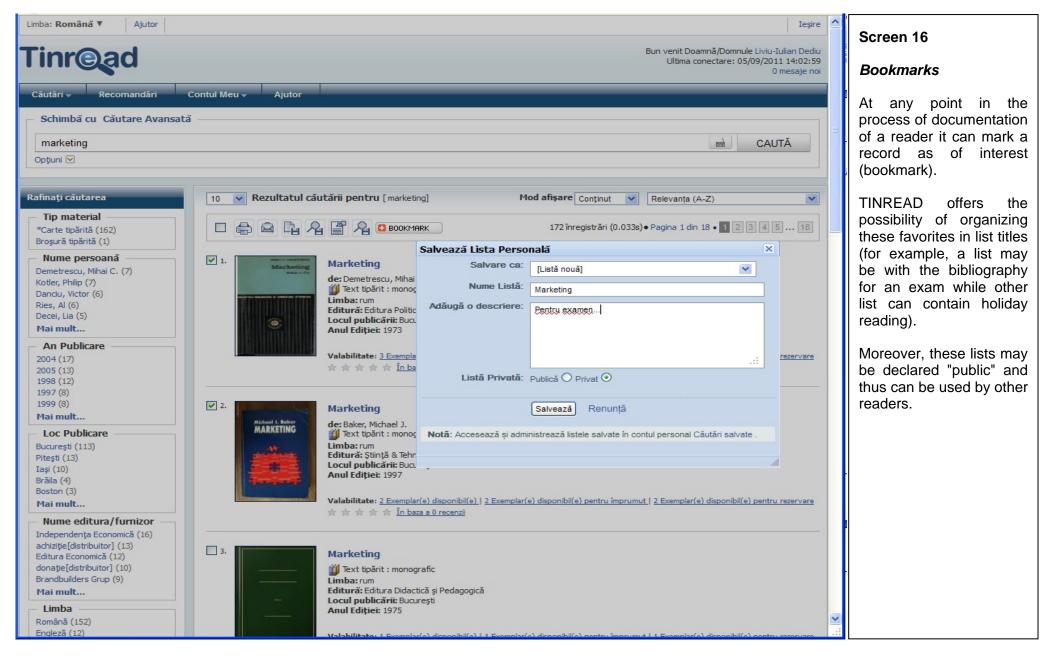
In this chapter will present relevant screenshots to illustrate the extended functionality of the "Next Generation OPAC" type available in TINREAD system, WebOPAC module.

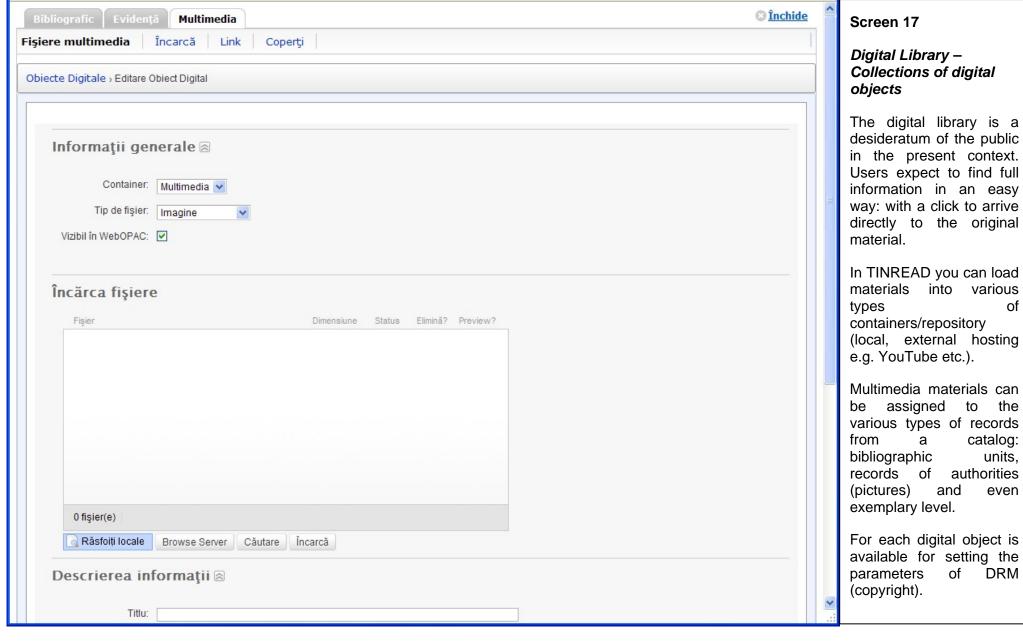
A theoretical introductory presentation was made in the above, that each operation referred to be submitted in the following.

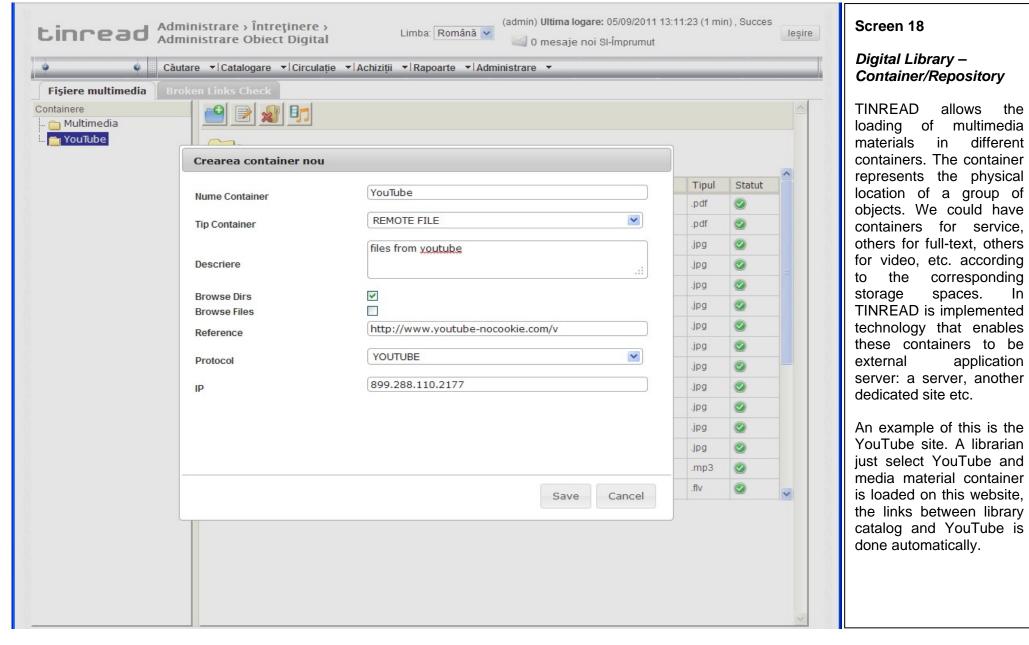












Etichetat

Afisează MARC

Profesional



Farmecul Galațiului : Parfumul târgului de altădată; Fotografii din Colecțiile speciale ale Bibliotecii

Tipul înregistrării: Resurse electronice: monografic

Titlu: Farmecul Galaţiului

Informație la titlu: Parfumul târgului de altădatăFotografii din Colecțiile speciale ale Bibliotecii

Editură: Biblioteca "V.A. Urechia"

Locul publicării: Galați
Anul Ediției: 2007
Descriere: 37 il.

☆ ☆ ☆ ☆ ∱ În baza a 0 recenzii

Multimedia





Screen 19

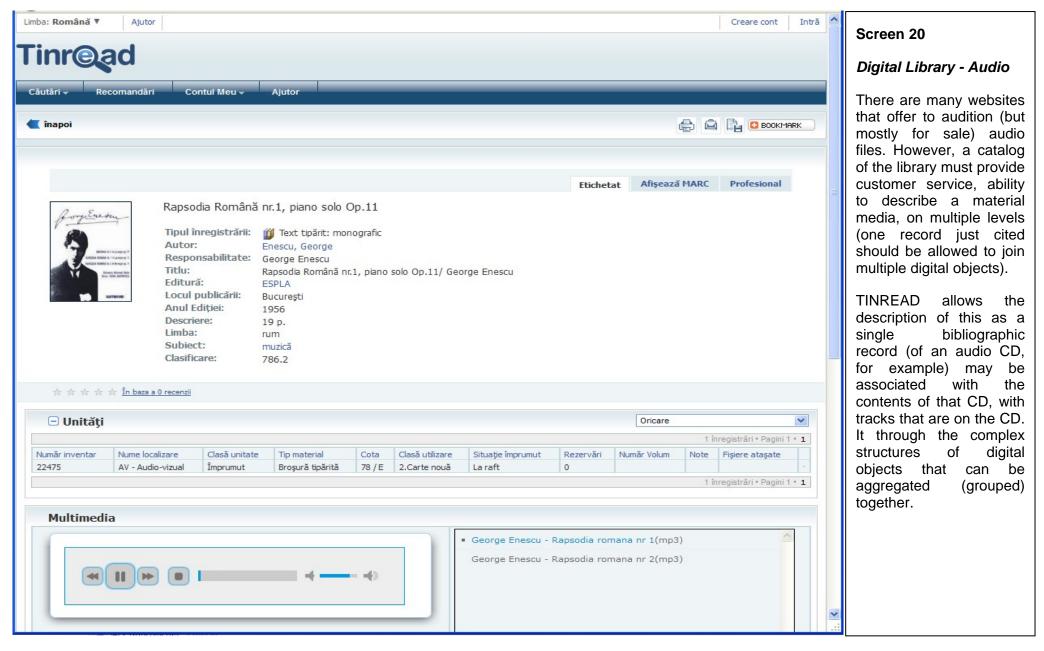
Digital Library - Images

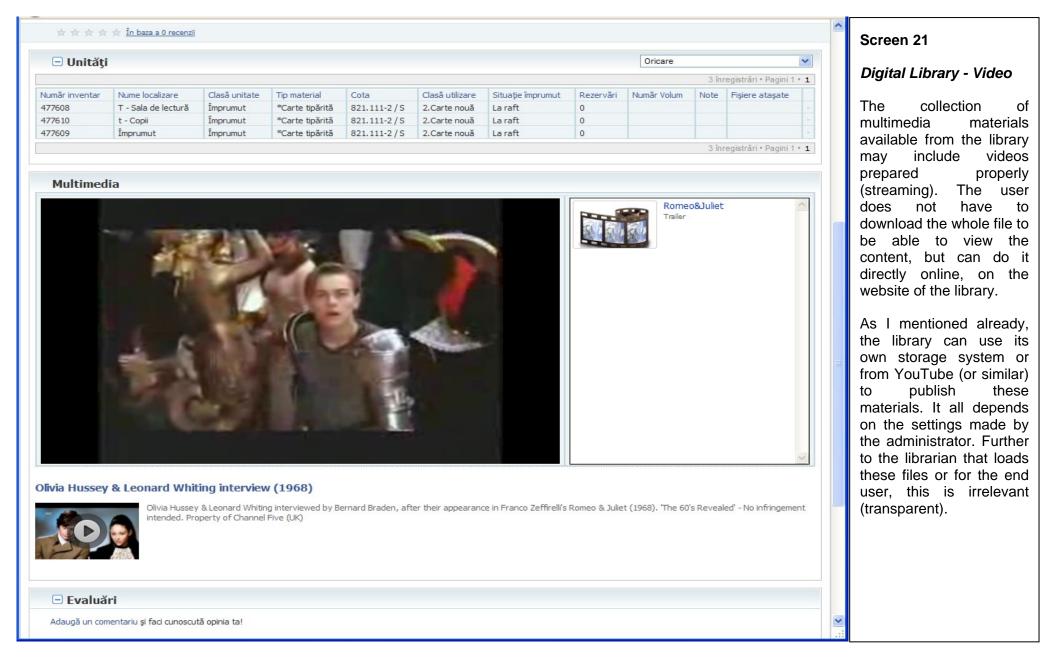
A site without images to draw users is a site hard to imagine. An online catalog of the library that can provide this service is unattractive, never invites the user to return. However, you can submit an image simply is very little.

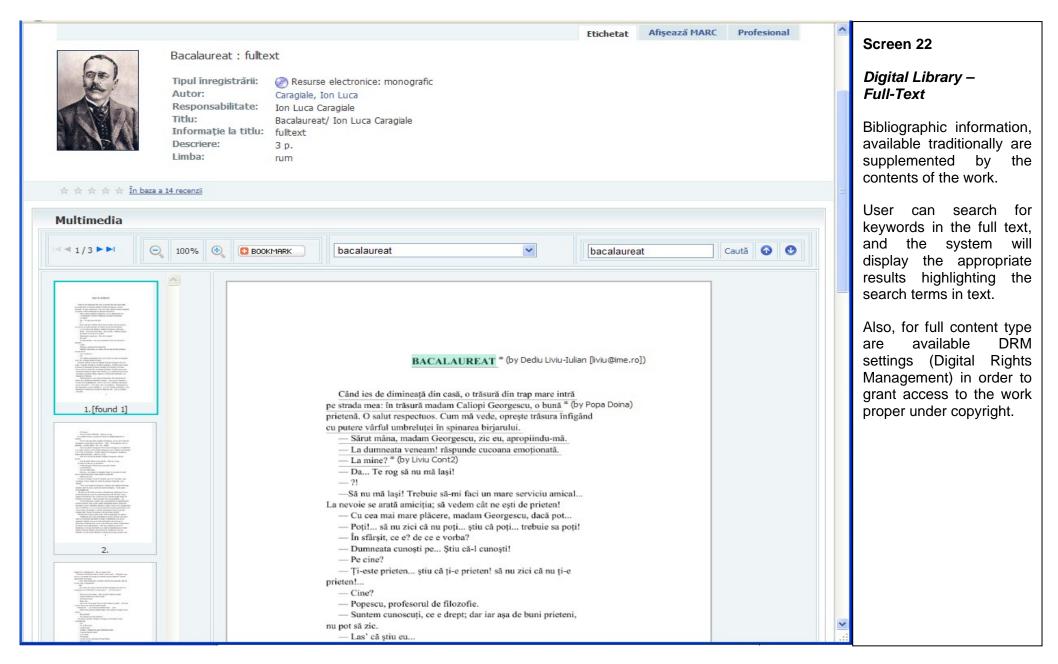
TINREAD allows you to display them in slide-show mode, allows you to zoom in one sense or another etc. Allows everything that is allowed on sites specialized in images (photo). But all these sites from the desire to optimize traffic shows these images in a low quality format.

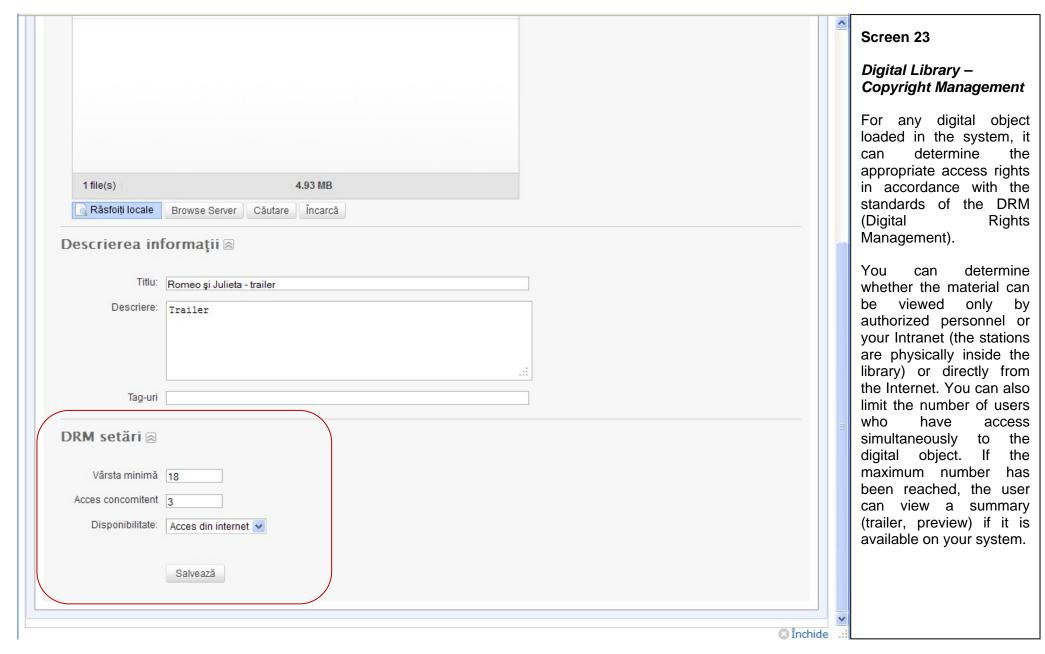
However, TINREAD allows (for users with appropriate rights) even printing the image quality of the original.

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BACALAUREAT * (by Dediu Liviu-Iulian [liviu@ime.ro])

10/05/2011 11:51:17

by Popa Doina [1 likes, 0 dislikes] ⊖ 与

reply

Universul, la 15 septembrie 1900,

principalul miiloc de individualizare

a personajelor și este în același

timp, în bună parte, purtător de

între narațiune și dialog, fiind

vorba de genul epic, are ca

contează cât toată această

acoperă.

vorbire despre ea, prolifică și

prolixă, un gen de iluzie care o

narațiune. Răsturnarea raportului

efect, pe de o parte, vivacitatea

expunerii, iar pe de altă parte,

senzatia că nu atât întâmplarea

Comedia limbajului este

acaparatoare și în schița

Bacalaureat, publicată în

Caragiale. Dialogul devine

Când ies de dimineață din casă, o trăsură din trap mare intră
pe strada mea: în trăsură madam Caliopi Georgescu, o bună * (by Popa Doina)
prietenă. O salut respectuos. Cum mă vede, oprește trăsura î

Introducere

cu putere vârful umbreluței în spinarea birjarului.
— Sărut mâna, madam Georgescu, zic eu, apropiindu-mă

- La dumneata veneam! răspunde cucoana emoționată.
- La mine? * (by Liviu Cont2)
- Da... Te rog să nu mă lași!
- ?!
- —Să nu mă lași! Trebuie să-mi faci un mare serviciu ami La nevoie se arată amiciția; să vedem cât ne ești de prieten!
- Cu cea mai mare plăcere, madam Georgescu, dacă pot ca de altfel în toate schiţele lui
- Poţi!... să nu zici că nu poţi... ştiu că poţi... trebuie sa
- În sfărșit, ce e? de ce e vorba?
- Dumneata cunoști pe... Știu că-l cunoști!
- Pe cine?
- Ti-este prieten... ştiu că ți-e prieten! să nu zici că nu ți prieten!...
- Cine?
- Popescu, profesorul de filozofie.
- Suntem cunoscuți, ce e drept; dar iar așa de buni prieti nu pot să zic.
 - Las' că știu eu...
 - Ei?
- Ei! trebuie numaidecât să te sui în birje cu mine, să mergem la el, să-i vorbești pentru Ovidiu.

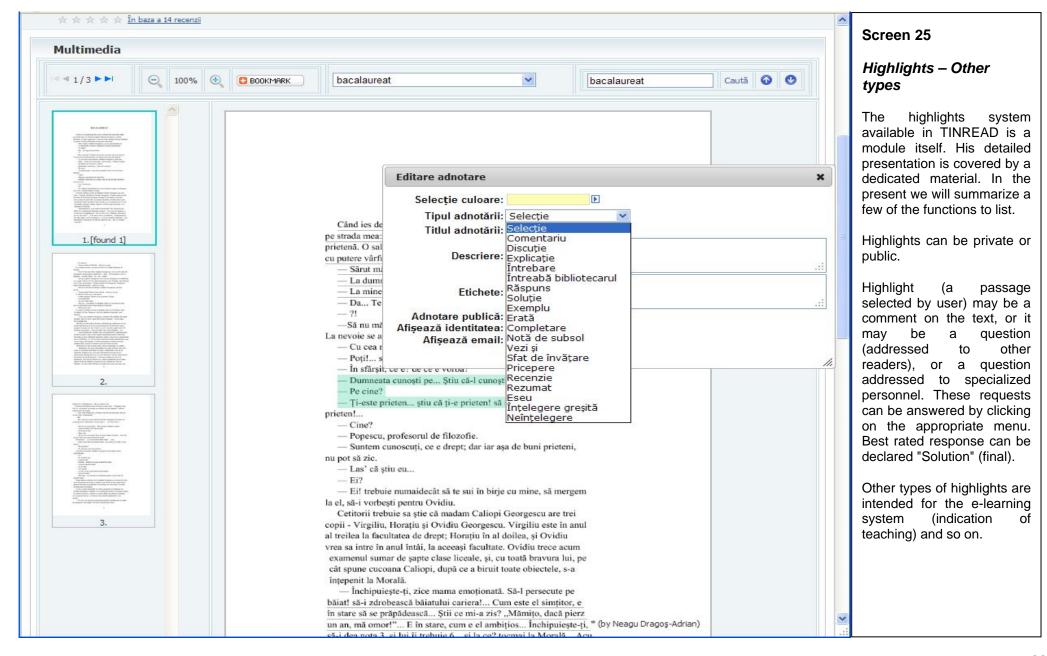
Cetitorii trebuie sa știe că madam Caliopi Georgescu are trei copii - Virgiliu, Horațiu și Ovidiu Georgescu. Virgiliu este în anul al treilea la facultatea de drept; Horațiu în al doilea, și Ovidiu vrea sa intre în anul întâi, la aceeași facultate. Ovidiu trece acum examenul sumar de șapte clase liceale, și, cu toată bravura lui, pe cât spune cucoana Caliopi, după ce a biruit toate obiectele, s-a întepenit la Morală.

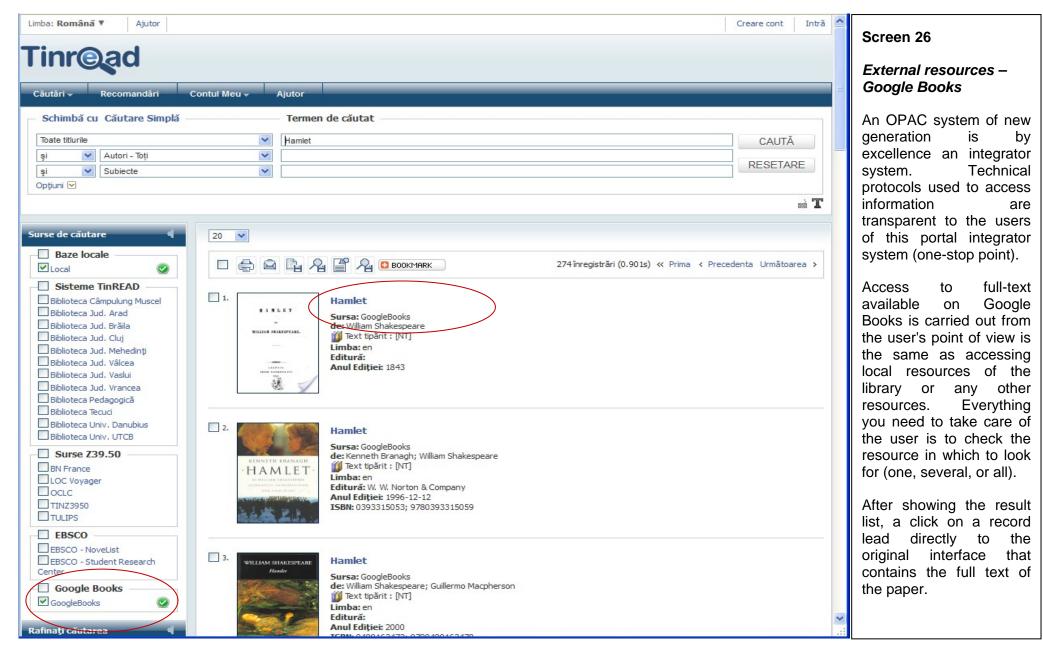
— Închipuiește-ți, zice mama emoționată. Să-l persecute pe băiat! să-i zdrobească băiatului cariera!... Cum este el simțitor, e în stare să se prăpădească... Știi ce mi-a zis? "Mămiţo, dacă pierz un an, mă omor!"... E în stare, cum e el ambiţios... Închipuiește-ți, * (by Neagu Dragoş-Adrian) să-i dea nota 3, și lui îi trebuie 6... și la ce? tocmai la Morală... Acu dumneata îl cunoști pe Ovidiu de când era mic... Știi ce creștere i-am dat!... Screen 24

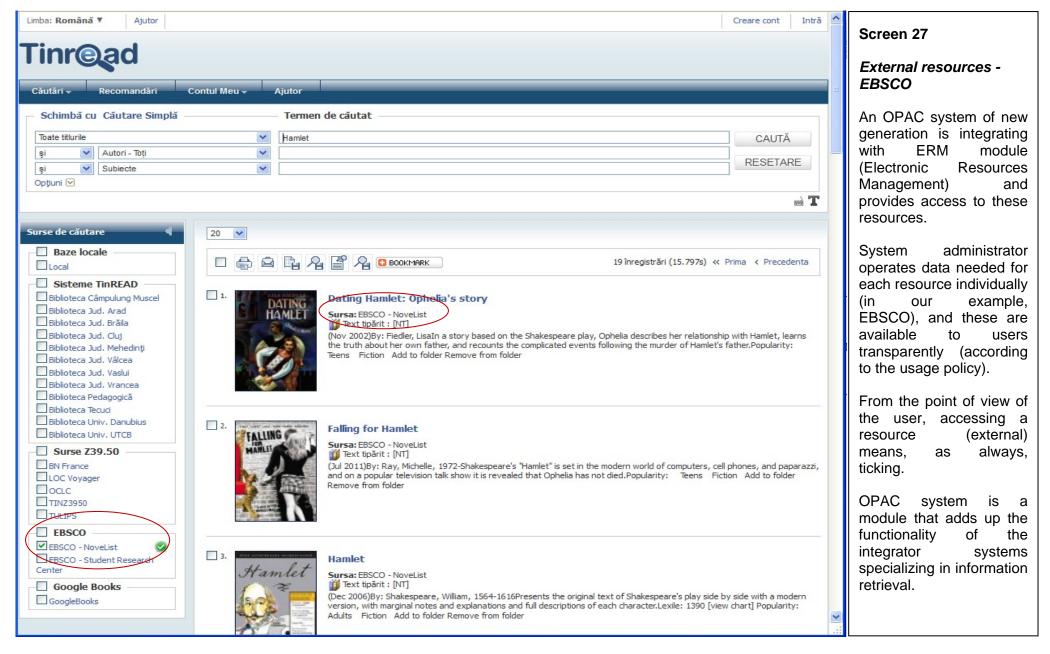
Highlights

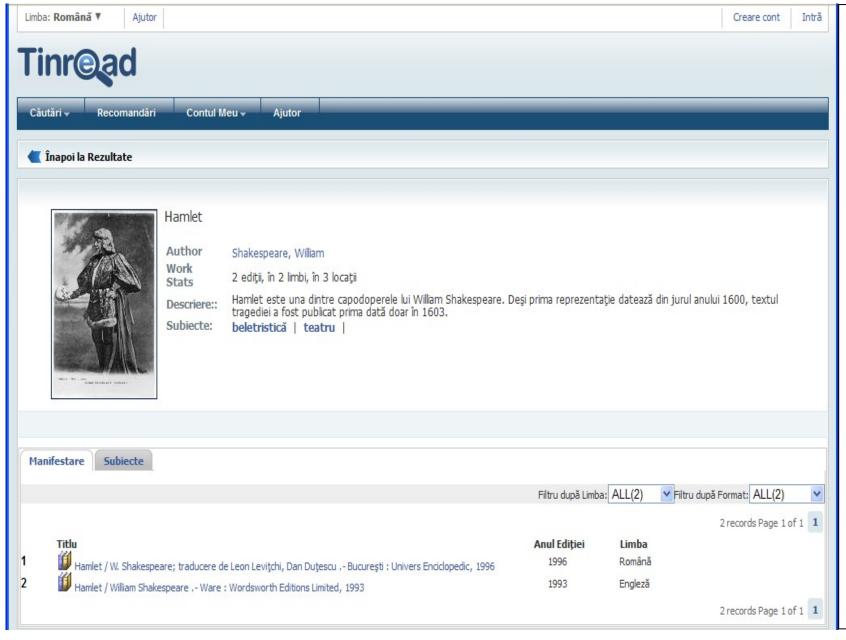
What is specific to the TINREAD system and distinguishing it from other digital library systems is the possibility of interaction with the text: highlights.

These highlights simulates the traditional emphasis on text, self study, personal notes on the text. Each of these notes refer to a specific passage in the original text (selected by the user) and can be attached to topics. title. and description. For example, a reader recognizes more online titles and mark with notes and topics (tags) different passages. Finally you can see all the passages relating to a certain topic (tag) or it may print the bibliography associated with these passages.









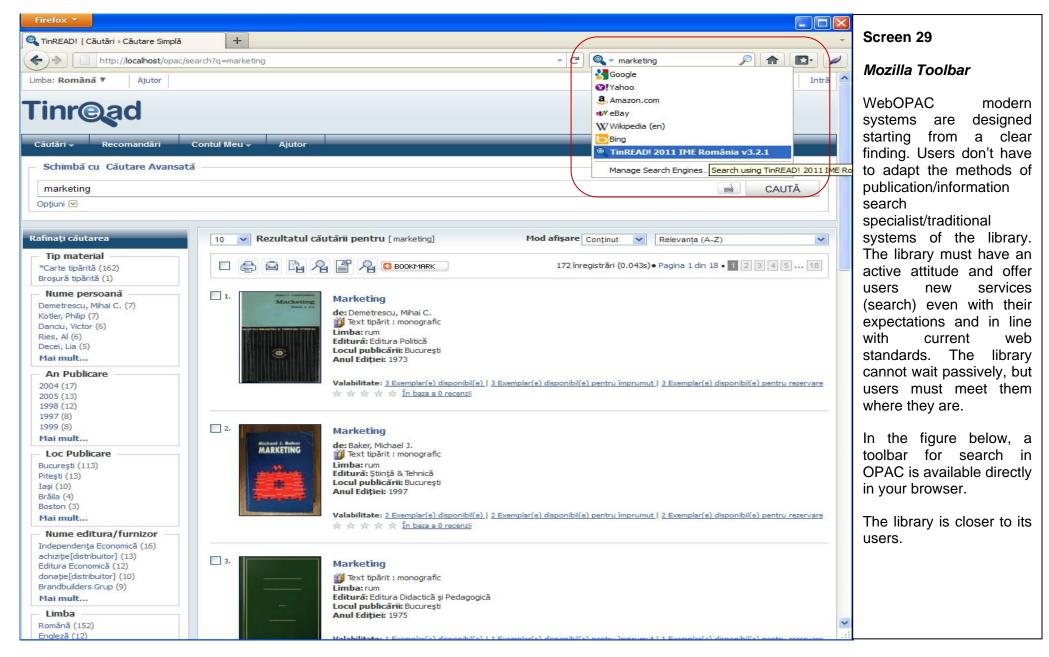
Screen 28

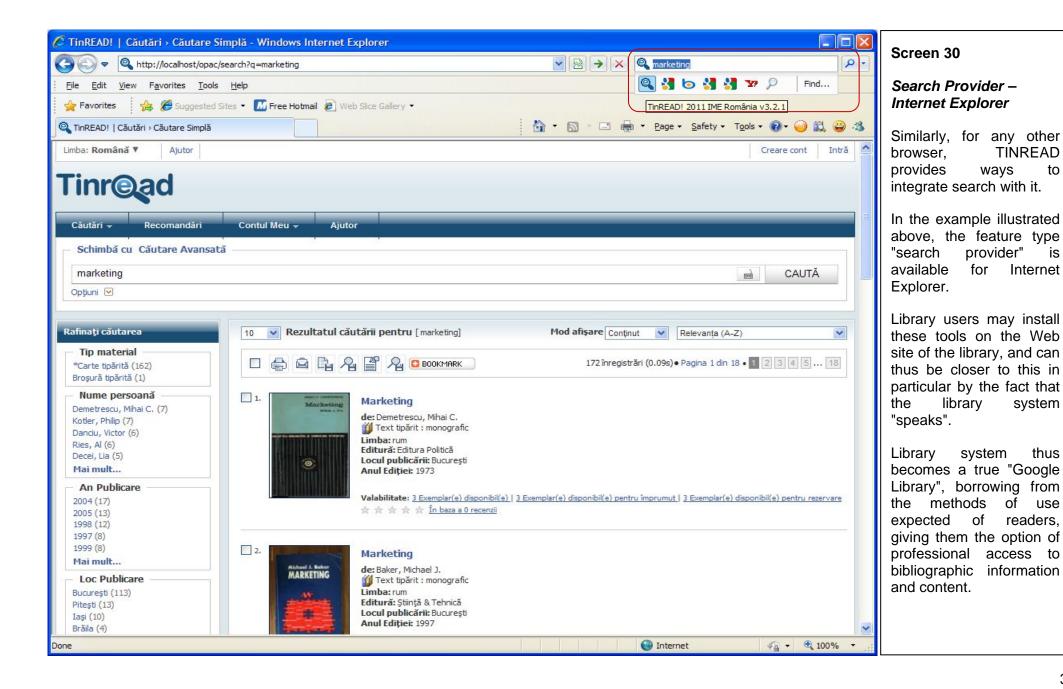
FRBR navigation

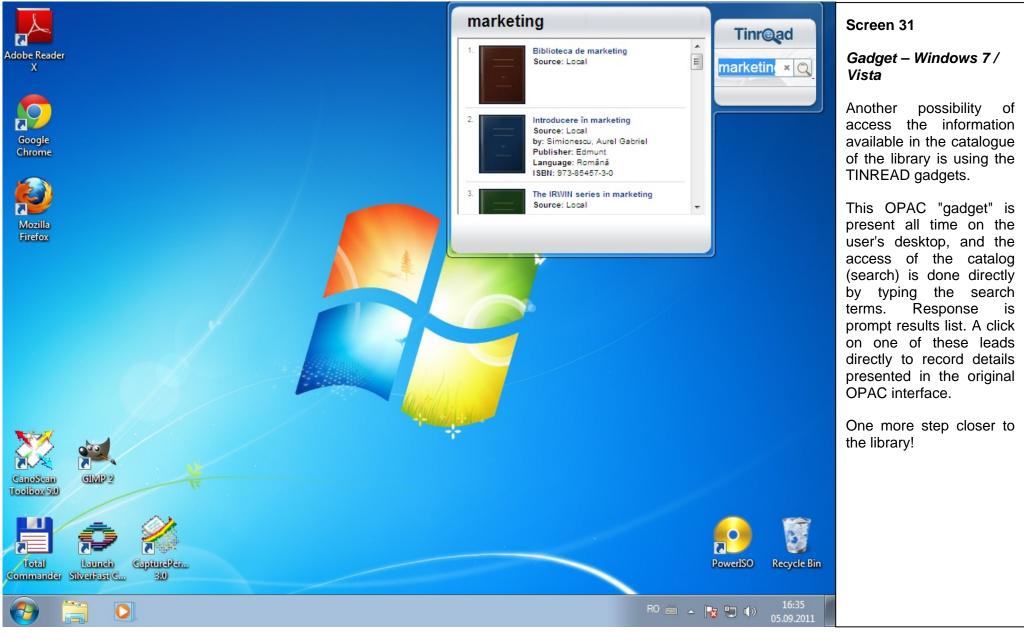
A modern OPAC system includes and uses not only web-based technology, as well as specific technology domain. FRBR is new technology present in such systems.

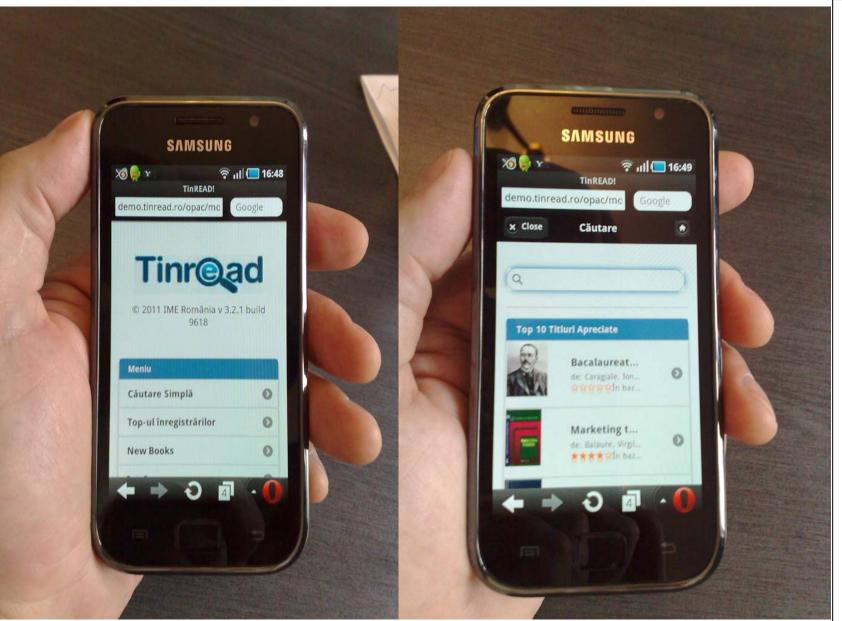
Worldwide there are currently only a few systems that have implemented native FRBR. TINREAD is one of them.

However. а special feature is the fact that **TINREAD** in the WebOPAC, users can use the FRBR-like browsing \rightarrow (opera \rightarrow expression manifestation) even for MARC records (without manually processing). Online conversion algorithms ensure а success rate of automatic processing (MARC → FRBR) of about 85%.









Screen 32

Mobile phone interface

For mobile devices TINREAD offers a personalized and adapted OPAC interface to its characteristics (display size, method of typing, minimal internet traffic).

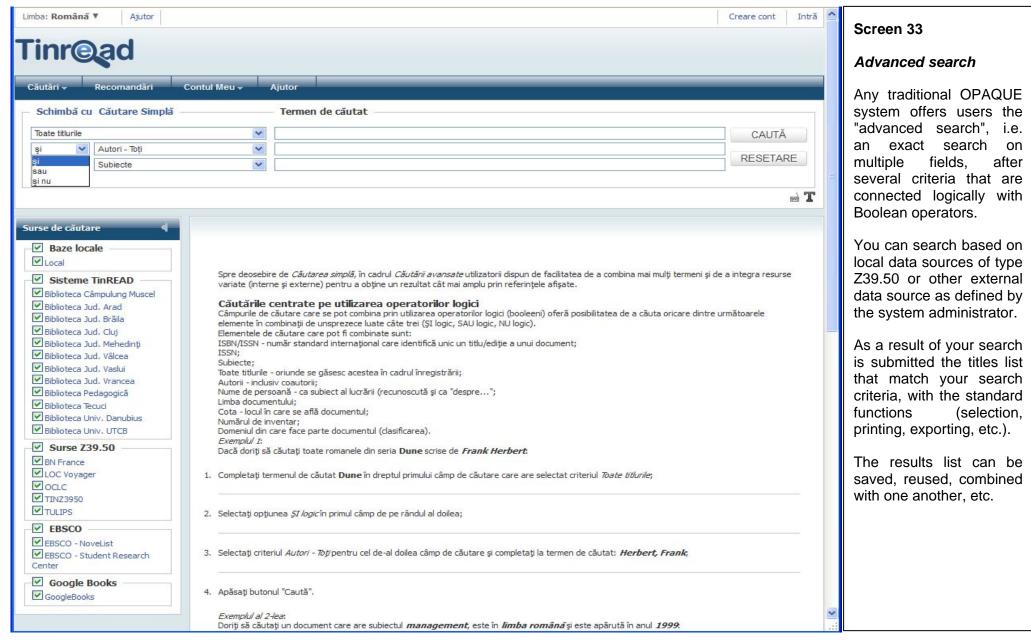
The interface is concise and essentialized as shown in the figure.

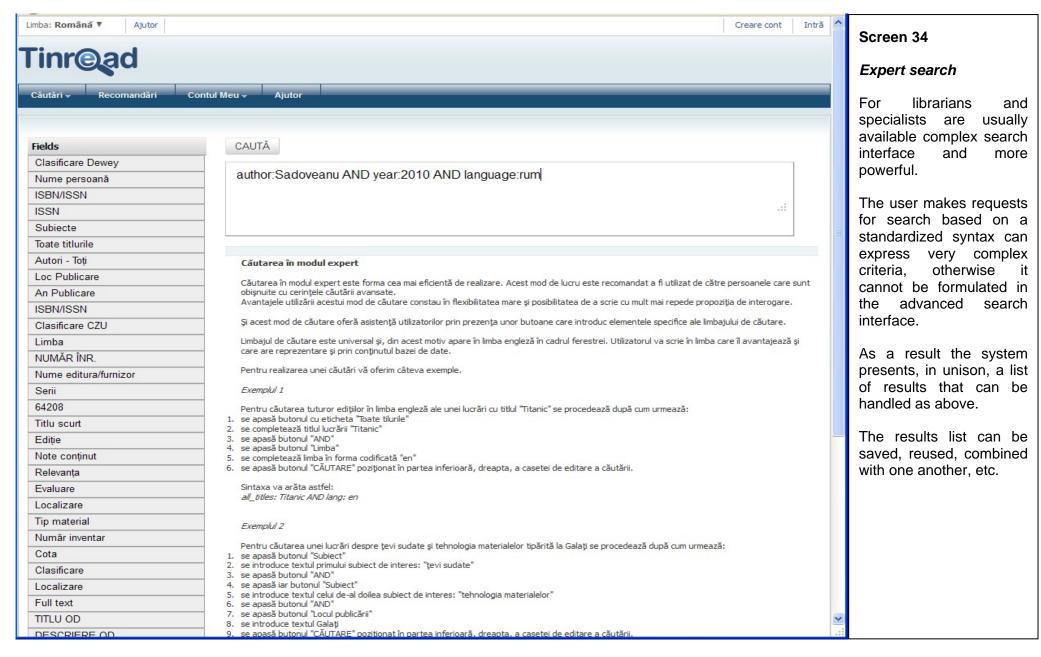
The library catalogue is closer to the reader, is mobile... as it is the world in which we live.

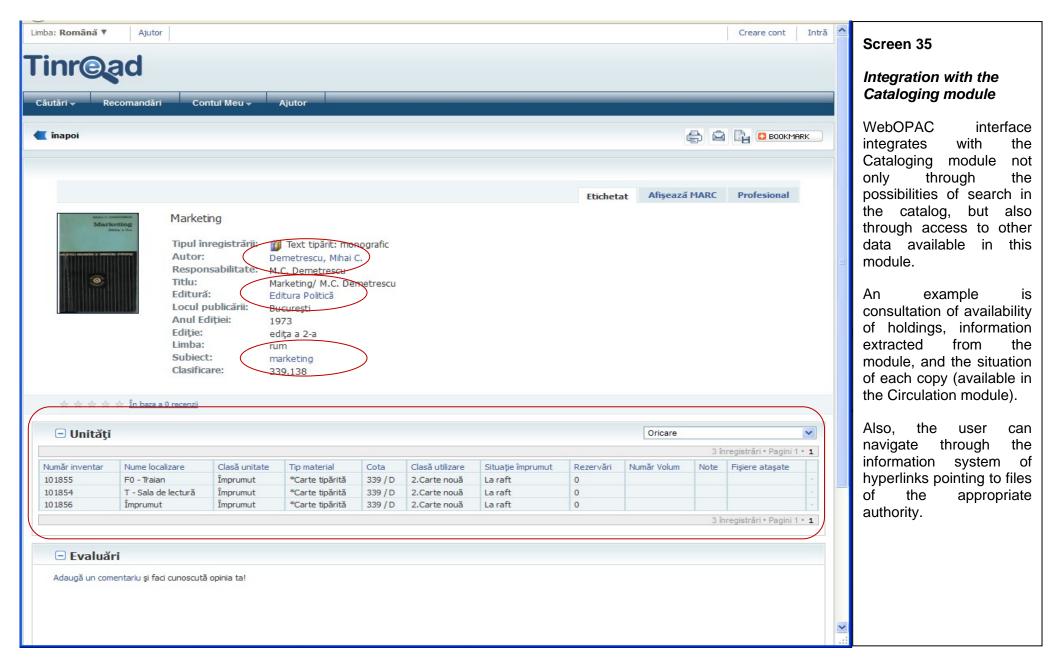
4. Traditional WebOPAC features

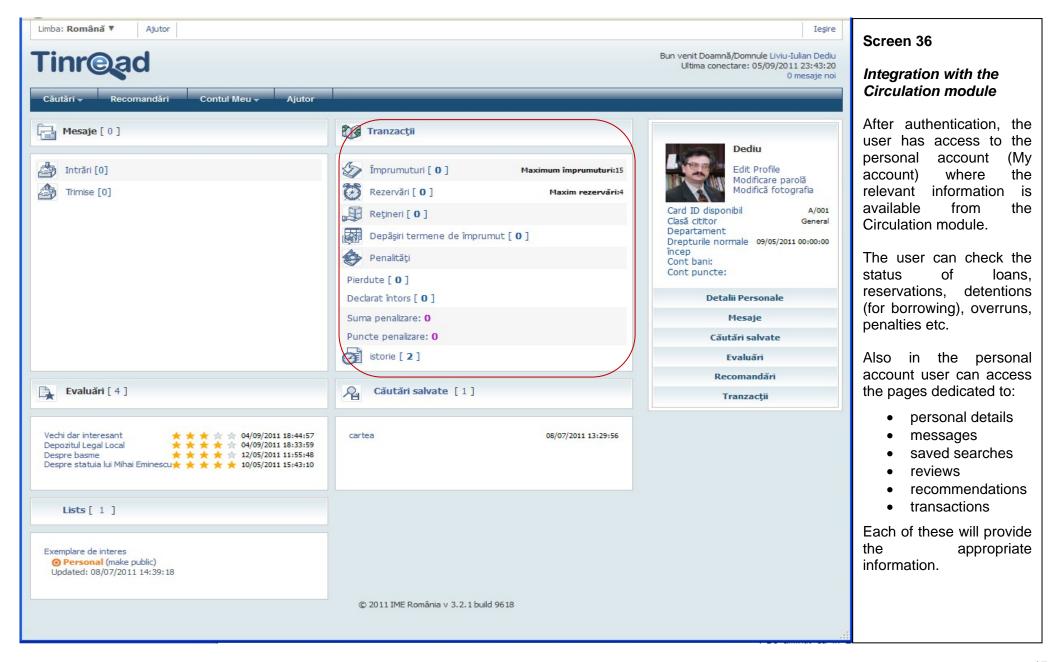
In this chapter will be presented relevant screenshots to illustrate the functionality of the existing traditional OPAC systems. I considered necessary such a chapter in order not to create a false impression that this is an exhaustive presentation of the WebOPAC system available in TINREAD.

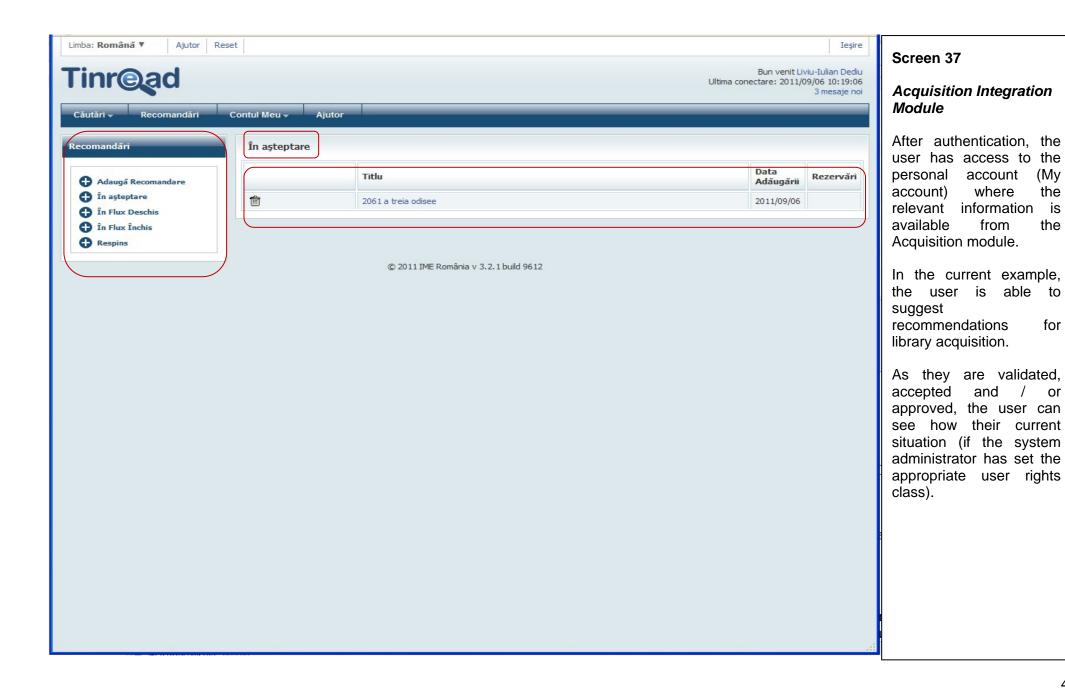
The traditional functionality presented in this chapter is the base of any WebOPAC type, and has already became a paradigm to the domain. For TINREAD system, these functions have been the subject of other presentations. The presentation is devoted to the facilities for "Next-Generation OPAC", and in the list below will be illustrated summary and selective, some of the most important features that should be available in an OPAC system.







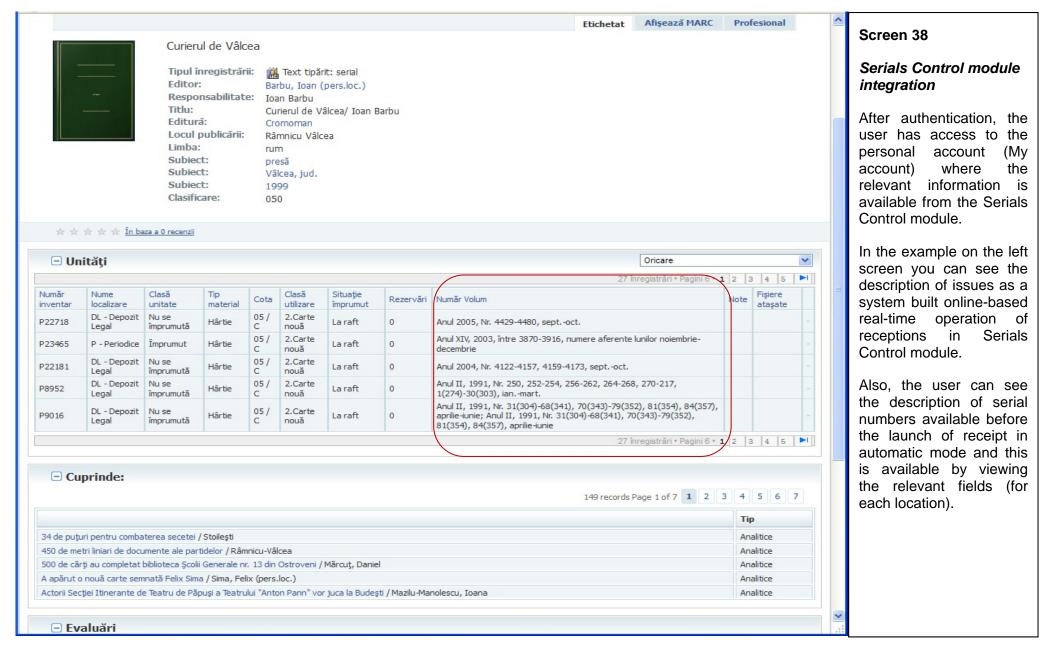




the

the

for



5. IME Romania

IME Romania is a company operating since 1995 and has dedicated the work to develop integrated library systems, providing turnkey systems and related services. Detailed information is available at www.ime.ro

IME Romania is the TINREAD system developer with expertise and resources available to ensure integration and implementation of complex national/international. One of the most important such systems is IFOS operated by The Library of Congress, whose Vice President Anthony R. Pierce characterized as IME services provided by "the excellent Technical Support and expertise of IME Romania in a fairly complex client/server environment, that greatly impacted our productivity."

Since 2006 IME distributes TINREAD system in Asia (Taiwan, China, Hong Kong) with currently 35 deployments in the area, of which 26 in version TINREAD. Expert, particularly in large academic libraries (ex. China University of Science and Technology) and the largest public libraries in Taiwan (ex NTL).

IME is a member of the 2009 Gold OPN (Oracle Partners Network). In 2011 IME (in partnership with IBM) entered the final stage of selection to tender MMIS (MultiMedia Information System) organized by HKCL (Hong Kong Central Library), a stage in which has qualified only one other competitor (from the U.S.). The system is one of the most complex information technology projects launched in 2011 worldwide to a consortium of libraries (88 libraries connected to the system, totaling over 12 million USD).

* *

We hope soon to give you the news that a Romanian company will implement national digital library system in Hong Kong ...