

BIBLIOTHECA ALEXANDRINA

Biodiversity Heritage Library

Progress Report (March 2013 - July 2014)

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Introduction

In the framework of preserving biodiversity literature and integrating it with EOL the BA pursues its efforts in Mirroring Biodiversity Heritage Library and contributing to the literature component of EOL. The material is being availed through two channels;

➤ **Mirroring the content of BHL on dar.bibalex.org**

The BHL book collection is mirrored and availed publicly online currently reaching 64,038 books fully available and accessed through <http://dar.bibalex.org> . The remaining books are on the BA’s Online Archive going through the pipeline from processing to publishing.

➤ **Building the Regional-BHL website**

The milestones for building the Regional BHL website are demonstrated in the table below;

| Milestone | Goal | Status Update |
|-----------|--|---|
| 1 | Download BHL books from the Internet Archive and ingest them into the BA’s Online Archive (OnA) | DONE 111,565 Books |
| 2 | Publishing books from OnA into the BA’s dar.bibalex.org | Currently 64,038 books of BHL collection are published and publicly accessible on dar.bibalex.org and |
| 3 | Producing Version I of BHL website; <ul style="list-style-type: none"> • Development • Setup Infrastructure • Deployment • Testing • Publishing | DONE |
| 4 | Producing Version II of BHL website <ul style="list-style-type: none"> • Development • Setup Infrastructure • Testing • Publishing | DONE In-progress In-progress In-progress |
| 5 | Synching BA collection with global BHL collection | Pending |

Table 1 Milestones for building regional BHL website

BHL Egypt version I

The system is currently up and running. It is available online on <http://bhl.bibalex.org> . The previous report includes an elaboration on the system functionalities and features.

BHL Egypt version II

Version II includes several more advanced features and functionalities that are more advanced than Version I. It has been implemented using Ruby-on-Rails programming framework, targeting to yield a more flexible and responsive design which can fit into several environments (desktop, mobiles and tablets)- See Figures 1 & 2 . The design allows for more resilient user interactivity as well as adding more features.

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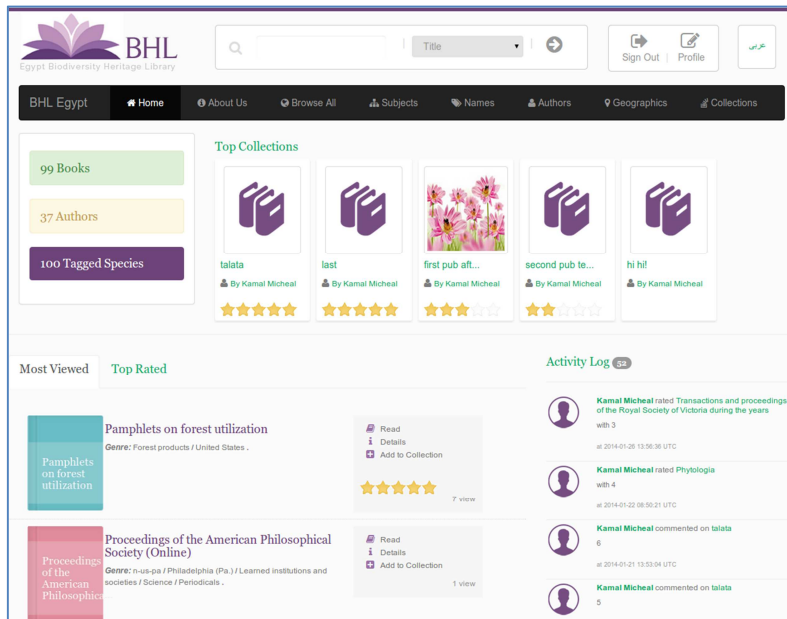


Figure 1 BHL-Egypt design on Desktop

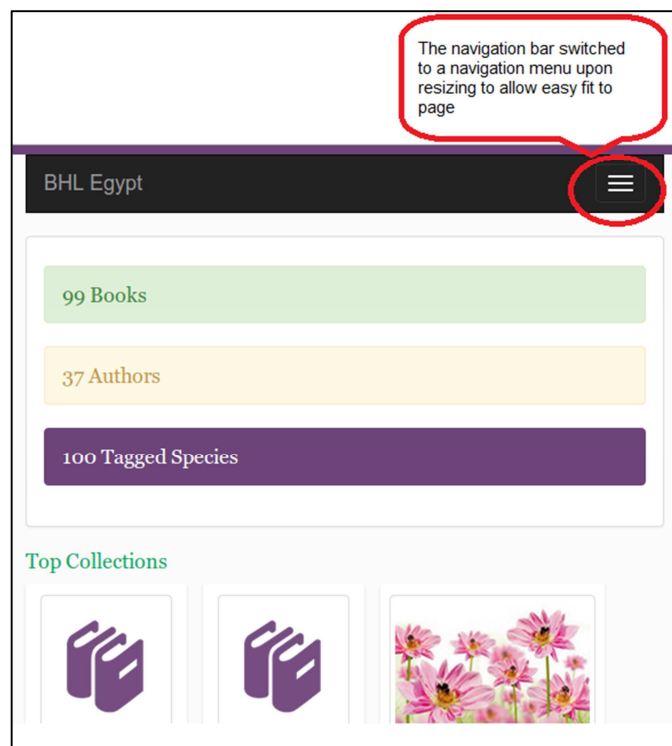


Figure 2 BHL-Egypt design on Mobile

Main features of BHL-Egypt Version II

Homepage

The new layout of the homepage allows fast access to all website content. In the navigation menu, there are links to “About BHL”, browse all Books, Subjects or Authors. Furthermore, the bar holds links to Tree of Life page, Collections and a “Geographic’s” page mapping all the books to their publishing place. The homepage contains a list of the top collections, most viewed and top rated books. The right panel holds a list of the most recent activities done by BHL users. (See figure 3)

The screenshot displays the BHL-Egypt homepage interface. At the top left is the BHL logo with the text 'Egypt Biodiversity Heritage Library'. To its right is a search bar with a dropdown menu set to 'Title' and a search icon. Further right are links for 'Sign Out' and 'Profile', and a language selector for 'عربي'. Below this is a dark navigation bar with links: 'BHL Egypt', 'Home', 'About Us', 'Browse All', 'Subjects', 'Names', 'Authors', 'Geographics', and 'Collections'. The main content area is divided into several sections. On the left, there are three colored boxes: a green one for '99 Books', a yellow one for '37 Authors', and a purple one for '100 Tagged Species'. To the right is the 'Top Collections' section, featuring five book covers with titles like 'talata', 'last', 'first pub aft...', 'second pub te...', and 'hi hi!', each by 'Kamal Micheal' and accompanied by star ratings. Below this are 'Most Viewed' and 'Top Rated' sections. The 'Most Viewed' section shows two book covers: 'Pamphlets on forest utilization' and 'Proceedings of the American Philosophical Society (Online)'. The 'Top Rated' section shows a book cover for 'Pamphlets on forest utilization' with a 5-star rating and '7 view'. On the right side, there is an 'Activity Log' section with 52 items, showing recent user activities such as 'Kamal Micheal rated Transactions and proceedings of the Royal Society of Victoria during the years with 3' and 'Kamal Micheal commented on talata 6'.

Figure 3 BHL-Egypt Homepage

Book Details

The page displays information on the book; book image, title, language, etc. It allows registered users to rate the book or add it to one of their collections, or write their own reviews on the book and see other users' posts. Additionally, the page also displays related books and relevant collections. (See figure 4)

The screenshot shows the BHL-Egypt website interface. At the top, there is a logo for BHL (Egypt Biodiversity Heritage Library) and a search bar with a dropdown menu set to 'Title'. Navigation links include Home, About Us, Browse All, Subjects, Names, Authors, Geographics, and Collections. The main content area features a book entry for 'Pamphlets on forest utilization' with a small image of the book cover. Metadata includes Language: eng (88), Date: 1900, and Genre: Forest products (1) / United States (2). A 'Tools' sidebar offers options like Read, Details, and Add to Collection, along with a star rating system (Average Rate: 5 stars (0) to 1 star (0)) and a 'Your Rate' section. Below the book details is a 'Reviews' section with a 'Write a review' button and a user profile for Kamal Micheal (Beneficial Book) with a 'Reply' button. At the bottom, there are sections for 'User also Viewed' (listing 'Proceedings of the American Philosophical Society (Online)', 'Popular science', 'Reports', and 'Practical floriculture...') and 'Found in Collections' (listing 'Collection with Image'). The footer contains social media icons and contact information.

Figure 4 BHL-Egypt website - Book Details Page

Personalization Component

This component carries all the information about users (personal info, photo, book annotations, saved queries, activities and collections). The navigation pane on the right hand side gives access to those functionalities. (See figure 5)

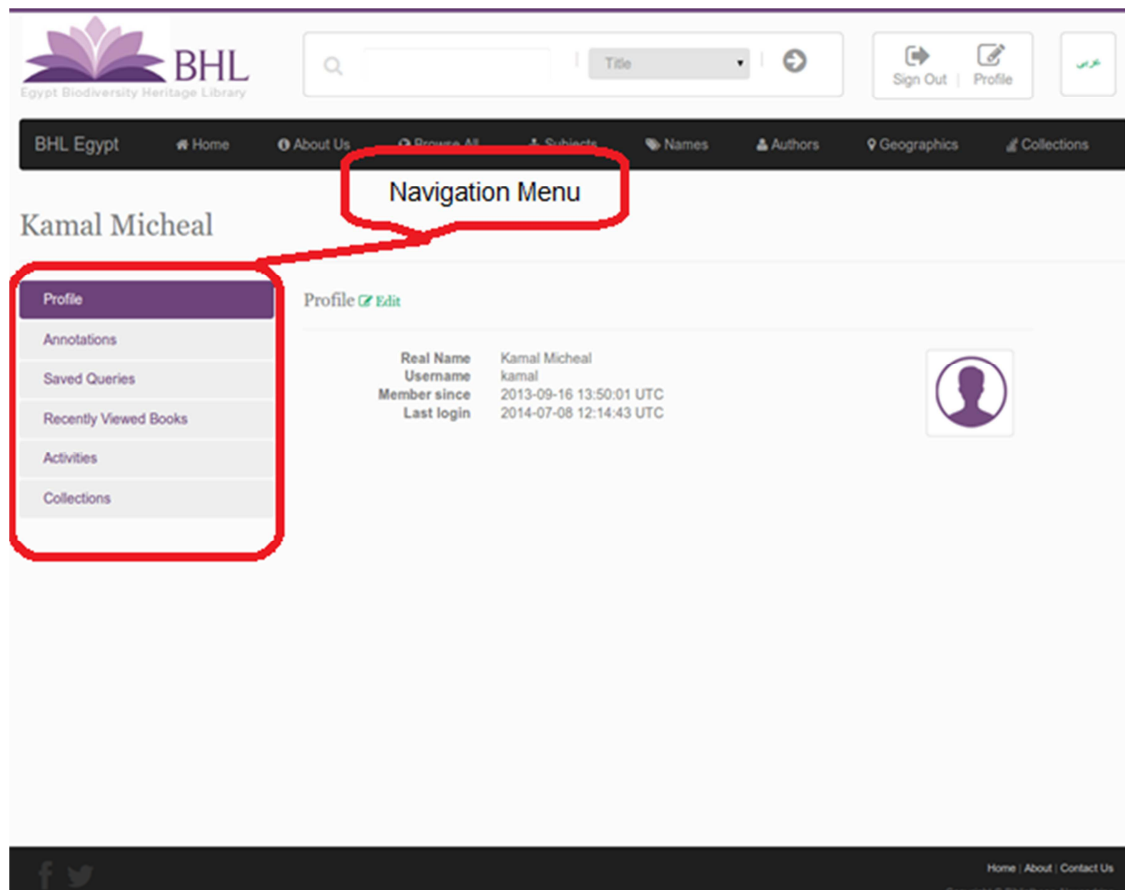


Figure 5 BHL-Egypt Personalization Features

Internationalization

The new website is an internationalized platform, i.e. it accommodates several languages and allows for seamless switching between different languages as desired. So far, the website is available in two languages; English and Arabic. (See figure 6)

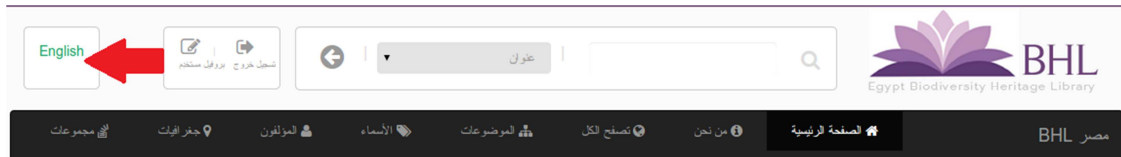


Figure 6 BHL-Egypt -- An Internationalized platform

Collections

Version II allows users to create and manage different collections. Once the BHL user is a registered member, he/she can create and own a group of collections, each of which can carry multiple books as per the user's selection. A user also has the option to make the collection either publicly accessible (which will appear to all other users to view the collection info and the list of inside books) or private (accessible only to him/her). A user can also add/remove/organize any of the books inside the collection and edit or delete the whole collection. (See figure 7)

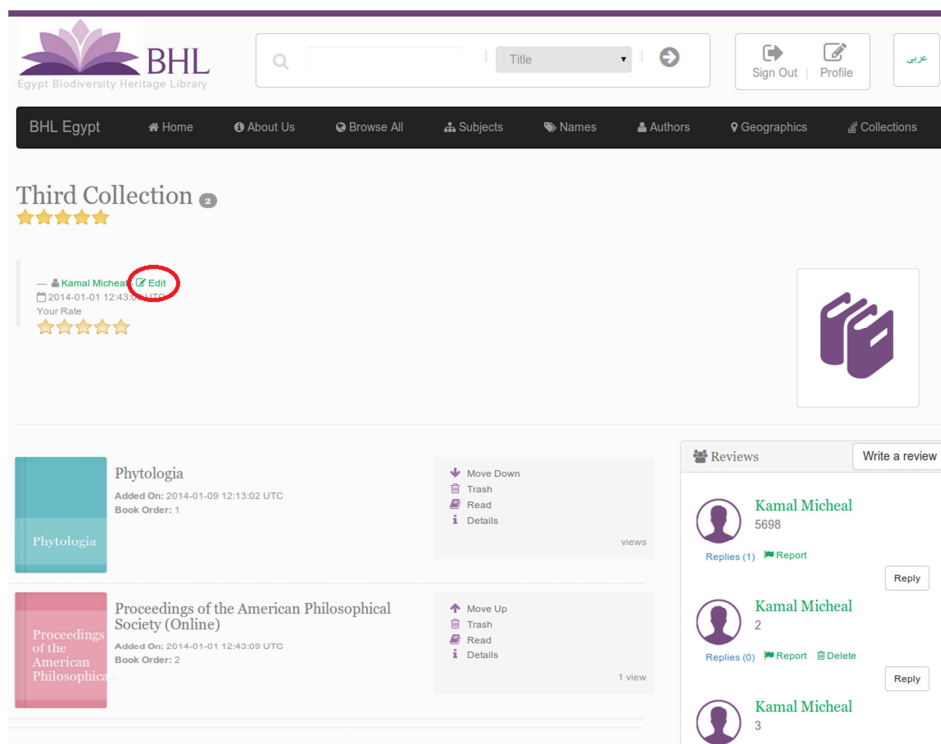
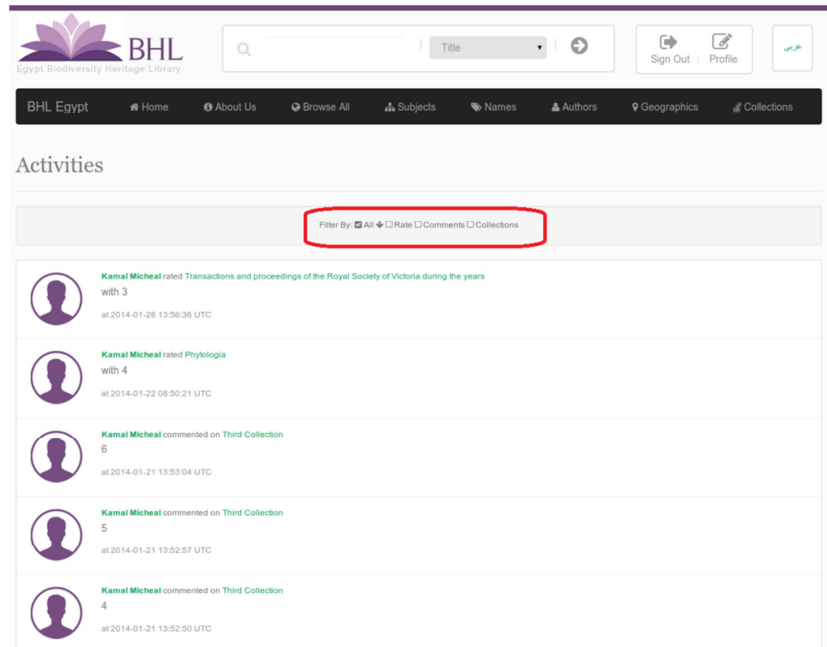


Figure 7 BHL-Egypt -- Managing Collections

Activities

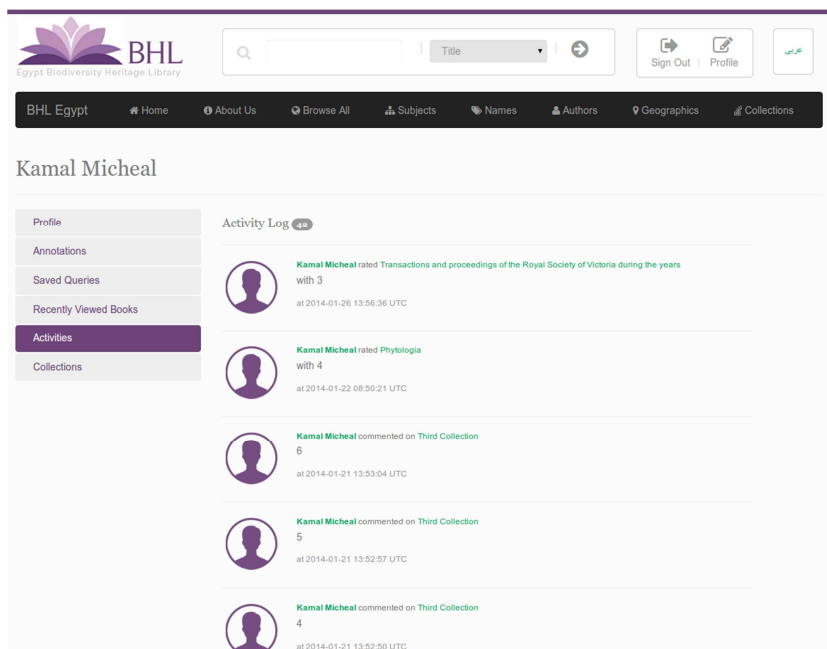
All user activities are logged and users can view all of them listed in a chronological order and filtered by the type of activity (Book Comment, Book Rating, Collection Comment, Collection Rating, Add/Remove Items in Collection ... etc). Users may also view activity logs of other users. (See figure 8 & 9)



The screenshot shows the BHL Egypt website interface. At the top, there is a search bar and navigation links for Home, About Us, Browse All, Subjects, Names, Authors, Geographics, and Collections. Below the navigation bar, the page is titled "Activities". A filter menu is visible, with "All" selected and highlighted by a red rectangle. The filter menu also includes options for "Rate", "Comments", and "Collections". Below the filter menu, there is a list of activities performed by Kamal Micheal:

- Kamal Micheal rated Transactions and proceedings of the Royal Society of Victoria during the years with 3 at 2014-01-26 13:56:36 UTC
- Kamal Micheal rated Phytologia with 4 at 2014-01-22 08:50:21 UTC
- Kamal Micheal commented on Third Collection 6 at 2014-01-21 13:53:04 UTC
- Kamal Micheal commented on Third Collection 5 at 2014-01-21 13:52:57 UTC
- Kamal Micheal commented on Third Collection 4 at 2014-01-21 13:52:50 UTC

Figure 8 BHL-Egypt-- Activity log filtration



The screenshot shows the BHL Egypt website interface for the user profile of Kamal Micheal. The page is titled "Kamal Micheal". On the left side, there is a navigation menu with options for Profile, Annotations, Saved Queries, Recently Viewed Books, Activities, and Collections. The "Activities" option is selected. The main content area is titled "Activity Log" and shows a list of activities performed by Kamal Micheal:

- Kamal Micheal rated Transactions and proceedings of the Royal Society of Victoria during the years with 3 at 2014-01-26 13:56:36 UTC
- Kamal Micheal rated Phytologia with 4 at 2014-01-22 08:50:21 UTC
- Kamal Micheal commented on Third Collection 6 at 2014-01-21 13:53:04 UTC
- Kamal Micheal commented on Third Collection 5 at 2014-01-21 13:52:57 UTC
- Kamal Micheal commented on Third Collection 4 at 2014-01-21 13:52:50 UTC

Figure 9 BHL-Egypt-- Activity log

Rating

Users have the option to rate any book/collection. The average rate can be viewed and it is calculated with an average formula that has been implemented in the system. (See figure 10 & 11)

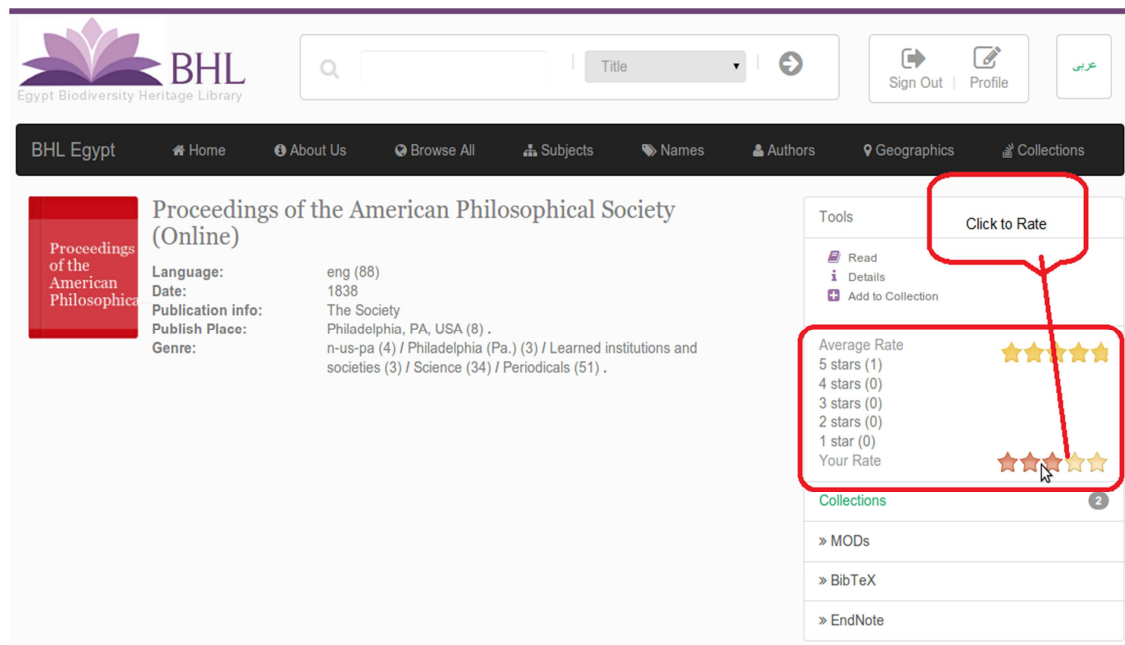


Figure 10 BHL-Egypt-- Average Rating

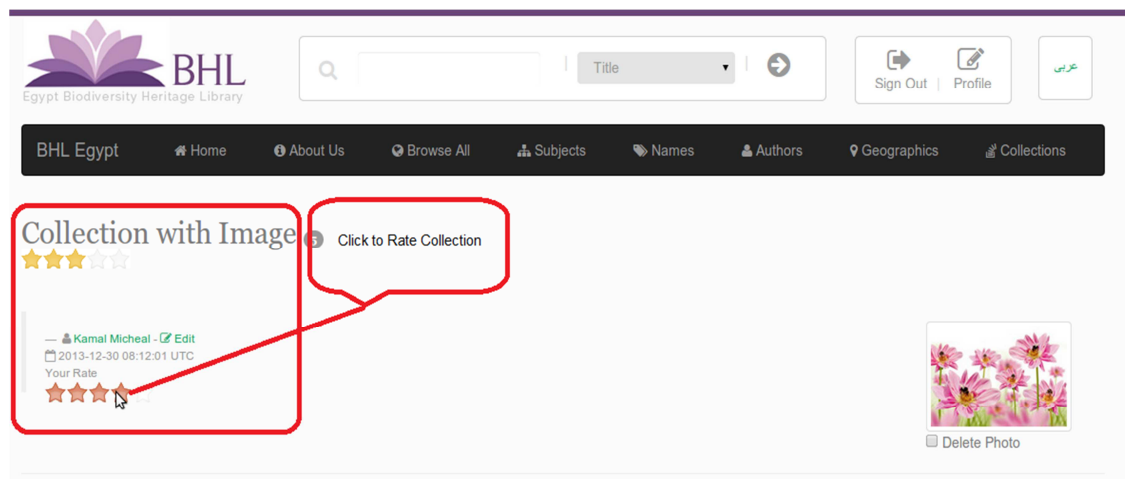


Figure 11 BHL-Egypt--Content Rating

Commenting

Users may comment on BHL books and collections, where comments may be edited/removed by their submitters. Moreover, inappropriate comments may be reported and when a certain number of reports are received, the comment is removed from the website. (See figure 12 & 13)

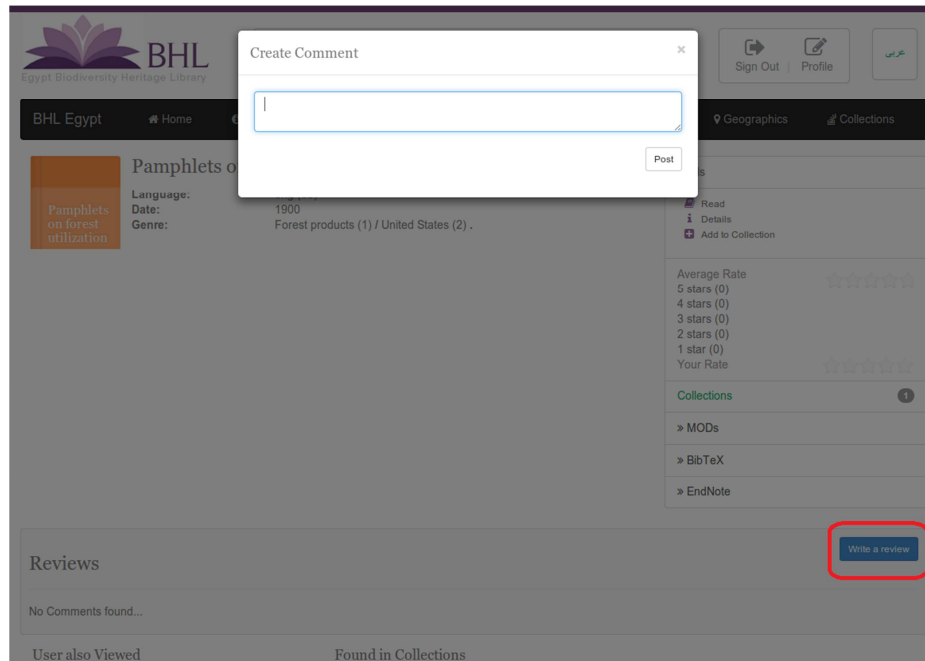


Figure 12 BHL-Egypt-- Submitting Comments

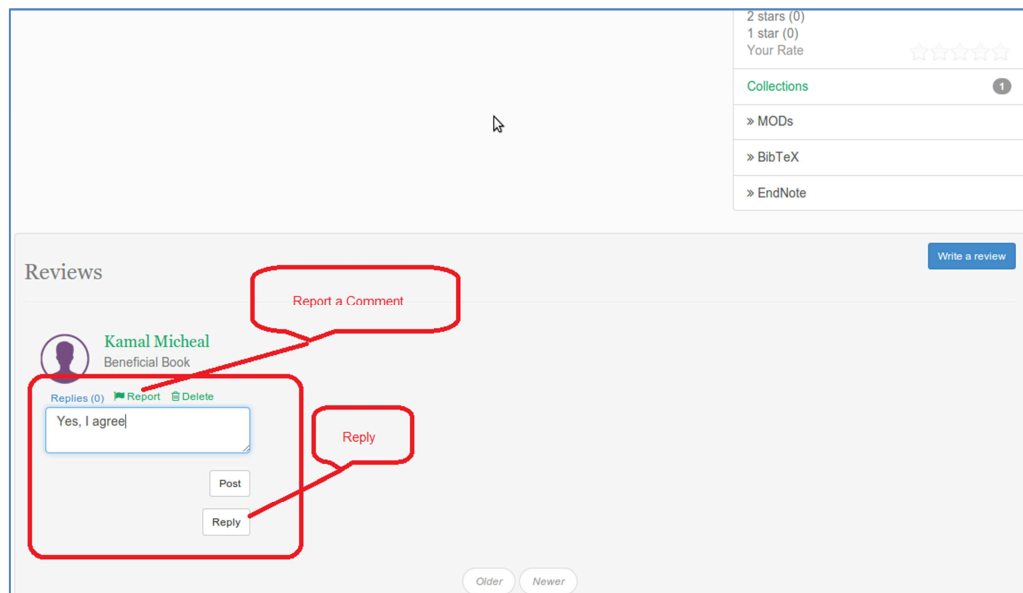


Figure 13 BHL-Egypt -- Reporting inappropriate comments