

A hand is holding a tablet computer in front of a bookshelf. The bookshelf is filled with books, and the hand is positioned as if using the tablet to interact with the books. The background is a solid teal color.

evertteam

Electronic Library Management System

Tuesday, February 4, 2020

Brief Explanation

- The main purpose of the solution is to unify, manage Libraries and to control the borrowing and reservation processes.
- The Electronic Library Management System is composed of two main Modules:
 - Library Management System which consists of one main centralized library backend usually available on-premise and accessed by internal users to add and manage the library (adding books, processes, approvals, follow-ups etc..)
 - Electronic Library Portal which is a public portal can be accessed by citizens, teachers, school staff members, children, and their parents etc.. This portal contains information about the library, and contains an electronic replica of a library, allowing these users to borrow books electronically.
- Both modules are built with responsive modern design
- The solution is scalable and can flexibly grow based on its usage

The background is a solid teal color with various white icons related to library management. These include a calendar, a bookshelf, a magnifying glass over a document, a person sitting at a desk with a laptop, a folder, a notebook, and a stack of papers. Dotted lines connect some of these icons, suggesting a workflow or system integration.

Library Management System Features

User Interface

- The eLibrary interface consists of a modern responsive UI, with advanced user experience such as the **sidebar**, **dynamic navigation bar**, and the **accordion**.
- The **sidebar** allows users to perform functionalities through the whole system.
- The **navigation bar** shows the user profile settings, selected language (AR/EN), and a notifications drop-down list.
- While the **accordion** acts like a global menu of the system.

The screenshot displays the 'Library Management System' interface. On the left is a dark sidebar with a list of menu items: Indexing, Search, Print (with 'Print Barcodes' expanded), Reservations, Borrowings, Inventory, Visitors, Reports, Settings, and a secondary list: Inventory, Visitors, Reports, Settings, Indexing, Circulation, Budget, Blocked Books, Specialist Libraries, and Data Cleansing. The top navigation bar shows the user's name 'Kirill VASILYEV' and a notification icon. The main content area is titled 'Library Management System > Print > Print Barcodes' and features a 'Print' button. Below the button, a message asks the user to choose the number of pages to print (each page 56 barcode). There are two input fields: 'Number of pages *' and 'Label Position *' (with the value '1'). At the bottom of the main area, there is a form for 'Beneficiary' information, including fields for 'Beneficiary Number', 'Beneficiary Name', and 'Beneficiary Category'. Below this is a 'Visit' section with a 'Visit Purpose *' dropdown menu (options: Borrowing, Reading, Reference Service, Use Computer, Search), a 'Date Of Visit *' field (with the value '18/11/2019'), and a 'Save' button. Copyright notices for the Ministry of Education and Higher Education - Qatar 2019 are visible at the bottom of the page.

Indexing

- The Indexing tab allows users to:
 - Add New Sources: to add new books into the library.
 - Advanced Indexing: to pull out books online from the library using the Z3950 protocol (library storage standard).
 - Edit Multiple Sources: to edit multiple book copies that are available within the system's library.

The image displays three overlapping screenshots of the Library Management System (LMS) interface, specifically the Indexing section. The top screenshot shows the 'Add New Sources' page, which includes a 'Save' button, a 'Cancel' button, and fields for 'Material Format' (set to 'Choose'), 'Material Type', 'Show in web' (checked), and 'Book Cover' (set to 'No File Chosen'). The middle screenshot shows the 'Advanced Indexing' page, featuring a 'Search' button, a 'Source' dropdown set to 'Z3950', an 'ISBN' input field, and a 'Search Targets' section. The bottom screenshot shows the 'Edit Multiple Sources' page, which includes 'Save' and 'Reset' buttons, a 'Book Barcode' input field with an 'Add' button, a table for 'Book Barcode' with the message 'No matching records found', and sections for 'Title Data' and 'Items Data', each with a 'Field' dropdown set to 'Choose'. The interface includes a dark sidebar with navigation options like 'Indexing', 'Search', 'Print', 'Reservations', 'Borrowings', 'Inventory', 'Visitors', 'Reports', and 'Settings'. The top right corner shows the user's name 'Kirill VASILYEV' and a notification icon.

Search

The search tab allows users to:

- Search Sources: to search sources the user has to identify the library and which MARC 21 (the record structure, the content designation, and the data content of the record) field he/she is looking for this functionality is available in two options **Quick Search** and **Advanced Search**.
- Search Beneficiaries: this feature allows system users to search for beneficiaries based on their name, category, class, and department.

The screenshot displays the 'Library Management System' interface. On the left is a dark sidebar with a menu containing: Indexing, Search (with sub-items Search Sources and Search Beneficiaries), Print, Reservations, Borrowings, Inventory, Visitors, Reports, and Settings. The main content area features a top navigation bar with user information 'Kirill VASILYEV' and notification icons. Below this are two summary cards: a red one for 'Count of resources whose borrowing period expired : 0' and a yellow one for 'Reservations Count : 1', both with 'View Details' links. The 'Quick Search' section includes a search bar, an 'also' dropdown set to 'All Data', an 'in' dropdown set to 'My Library', and a 'Search' button. Below are 'Quick Borrow' and 'Quick Return' sections, each with input fields for 'Beneficiary Number' and 'Book Barcode', and buttons for 'Loan' and 'Return'. The 'Visitors' section is divided into 'Beneficiary' and 'Visit' sub-sections. The 'Beneficiary' section has a 'Search For Beneficiary' button and input fields for 'Beneficiary Number *' (with a search icon) and 'Beneficiary Name'. The 'Visit' section has a 'Visit Purpose *' dropdown menu with options: Borrowing, Reading, Reference Service, Use Computer, and Search. It also includes a 'Date Of Visit *' field with a calendar icon and a 'Save' button. The footer contains the copyright notice: 'Copyright © Ministry of Education and Higher Education - Qatar 2019'.

Print

- The print tab allows users to print barcodes by identifying the number of barcode pages needed knowing that each page can hold up to 56 barcodes. Additionally, the user can specify the location of the label by identifying its sequential number (1 to 56). For example, if the user selects that he/she wants to start from label position 23, the system will start printing barcodes based on that sequential number.

The screenshot shows the 'Print Barcodes' interface in a Library Management System. On the left is a dark sidebar with a menu: Indexing, Search, Print (expanded), Print Barcodes (highlighted), Reservations, Borrowings, Inventory, Visitors, Reports, and Settings. The main content area has a breadcrumb trail: 'Library Management System > Print > Print Barcodes'. Below this is a red 'Print' button. A message reads: 'Please choose the number of pages you want to print (each page 56 barcode)'. There are two input fields: 'Number of pages *' with the value '2' and 'Label Position *' with the value '26'. Below the form are two preview windows. The left preview shows a 4x8 grid of barcodes starting from position 23. The right preview shows a 4x8 grid of barcodes starting from position 26. The user's name 'Kirill VASILYEV' is visible in the top right corner.

Reservation

The reservations tab allows the user to:

- Add Reservation: in case the requested book was unavailable and it has already been borrowed to someone, the system user can reserve this book for a specific beneficiary. Once the book becomes available, the beneficiary with the reservation will be notified.
- Search for Reservation: To search for a book that is being reserved.

The screenshot displays the 'Add Reservation' page within a 'Library Management System'. The interface includes a dark sidebar on the left with navigation options: Indexing, Search, Print, Reservations (with 'Add Reservation' highlighted), Search For Reservation, Borrowings, Inventory, Visitors, Reports, and Settings. The main content area features a breadcrumb trail 'Library Management System > Reservations > Add Reservation' and a 'Save' button. The form is divided into two sections: 'Beneficiary' and 'Resources'. The 'Beneficiary' section contains a 'Search For Beneficiary' button, a 'Beneficiary Number *' field with a search icon, a 'Beneficiary Name' field, and a 'Beneficiary Category' field. The 'Resources' section contains a 'Search For Resource' button and fields for 'Source Title *', 'Author Name', 'ISBN', 'Publisher', and 'Edition'. The footer of the page reads 'Copyright © Ministry of Education and Higher Education - Qatar 2019'.

Borrowing

In the borrowings tab the user can:

- Add Checkout: To check out a book that is being borrowed.
- Search Borrowing: To search and check the details of the book that has been borrowed.
- Alternative Borrowing: To identify who borrowed the book and identify what has happened to it, as in the books borrowing duration has been renewed or even report that the book got lost or damaged.

The screenshot shows the 'Add Checkout' form in the Library Management System. The interface includes a dark sidebar with navigation options: Indexing, Search, Print, Reservations, Borrowings (with 'Add CheckOut' selected), Search Borrowing, AlternativeBorrowing, Inventory, Visitors, Reports, and Settings. The main content area has a breadcrumb trail: 'Library Management System > Borrowings > Add CheckOut'. A red 'Save' button is at the top left. The form is divided into two sections: 'Beneficiary' and 'Resources'. The 'Beneficiary' section contains a 'Search For Beneficiary' button, a 'Beneficiary Number' field with a search icon, a 'Beneficiary Name' field, and a 'Beneficiary Category' field. The 'Resources' section contains a 'Barcode' field and an 'Internal Borrowing' checkbox with a red plus sign. The footer of the page reads 'Copyright © Ministry of Education and Higher Education - Qatar 2019'.

Inventory

- The inventory allows the administrator to perform inventory by specifying the date range (From, To) and set if the status of those items is being active or closed.

Library Management System

Library Management System > Inventory

Search Reset

From Date To Date Status Choose

Add Non Inventory Sources

Search in results 10

Inventory Name	Inventory Date	Educational Level	Inventory Status	Inventory Items	
الجرد 1	12/11/2019	2019-2020	Active	80050 / 0	
الجرد	28/10/2019	2019-2020	Closed	80050 / 11	

Showing 1 to 2 of 2 Items Previous 1 Next

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Visitors

- The visitors' tab allows the user to specify the date of the visitors' arrival and identity his/her purpose.
- It is not necessarily for the visitor to borrow a book, he/she might attend to read the book within the library's space, use the library's computer, perform research, or even do another specific service that can be referenced to by the system admin.

The screenshot shows the 'Visitors' form in the Library Management System. The interface includes a dark sidebar with navigation options: Indexing, Search, Print, Reservations, Borrowings, Inventory, **Visitors**, Reports, and Settings. The main content area is titled 'Library Management System > Visitors' and features a 'Save' button. The form is divided into two sections: 'Beneficiary' and 'Visit'. The 'Beneficiary' section contains a 'Search For Beneficiary' button, a 'Beneficiary Number *' field with a search icon, a 'Beneficiary Name' field, and a 'Beneficiary Category' field. The 'Visit' section includes a 'Visit Purpose *' field with a list of options: Borrowing, Reading, Reference Service, Use Computer, and Search. A 'Date Of Visit *' field is set to '19/11/2019' with a calendar icon. The footer of the page reads 'Copyright © Ministry of Education and Higher Education - Qatar 2019'.

Reports

The report tab allows the user to extract the reports based on:

- Beneficiaries
- Visitors
- Purchased Resources Count
- Resources Added By Date
- Sources By MarcFields
- Late Books
- Lost Sources
- Etc...
- The user can print those reports directly or export them in Word, Excel, or PDF format.

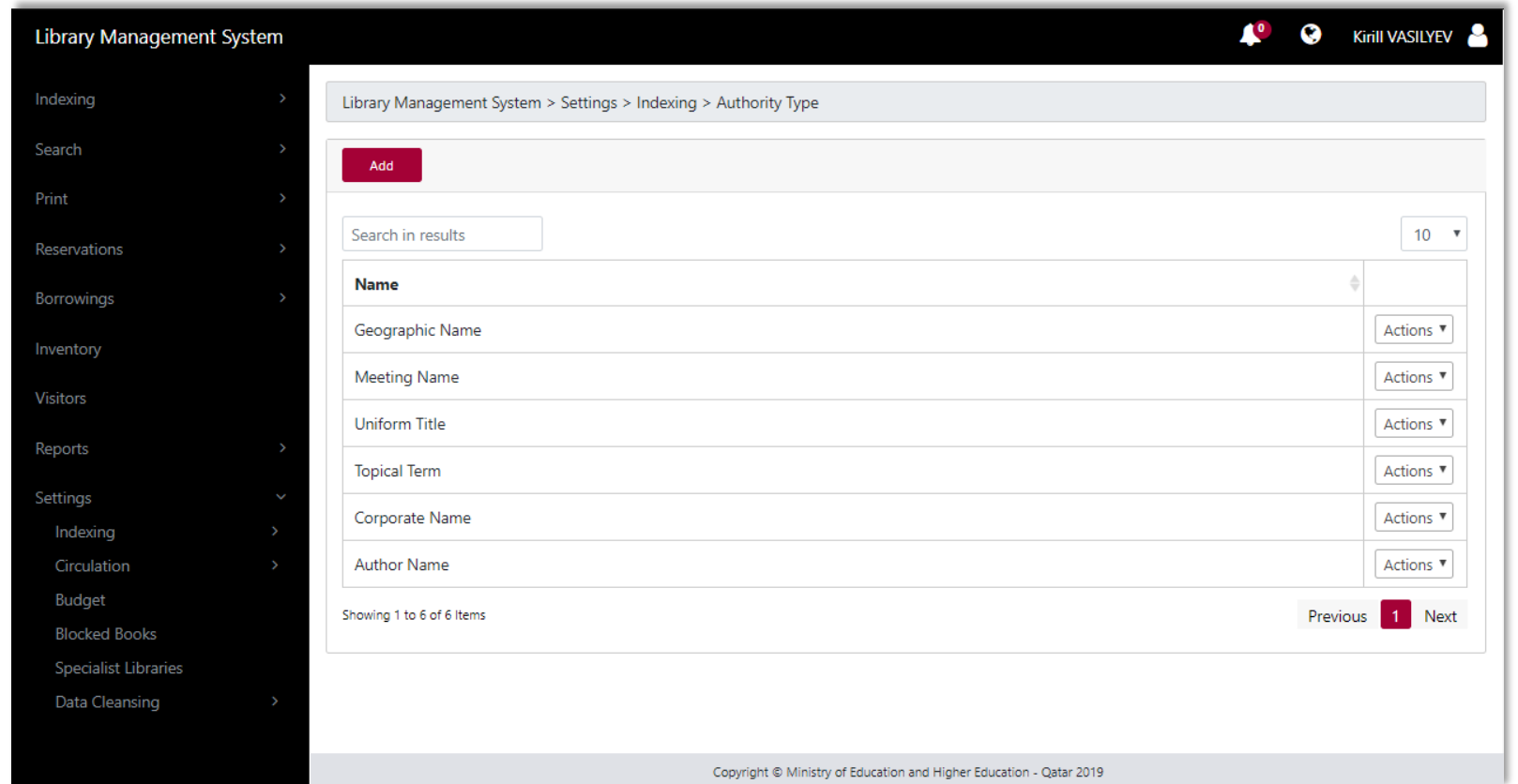
The screenshot displays the 'Library Management System' interface. On the left is a dark sidebar menu with options: Indexing, Search, Print, Reservations, Borrowings, Inventory, Visitors, Reports (expanded), Beneficiaries (selected), Visitors, Purchased Resources Count, Resources Added By CreatedDate, Sources By MarcFields, Late Books, Borrowings By Classification, Checkout And Checkin Sources, and Borrowings Materials. The main content area shows the breadcrumb 'Library Management System > Reports > Beneficiaries'. Below this is a navigation bar with page controls (1 of 1), a refresh icon, a zoom level of 100%, and a search box. A 'Total: 3' indicator is on the right. The report title is 'Beneficiaries Report' with a date range 'From Date: 01/11/2019 To Date: 19/11/2019'. A table lists two beneficiaries:

#	Name	Card Number	Category	Department	Class	Date	Library
1	New User 5	45435435	Learning Sources Officer	Operations Section		08/11/2019	Al-Zubarah Primary, Preparatory and Secondary School for Boys
2	New User 6	45234324	Learning Sources Officer	Operations Section		08/11/2019	Al-Zubarah Primary, Preparatory and Secondary School for Boys

At the bottom, a footer reads 'Copyright © Ministry of Education and Higher Education - Qatar 2019'.

Settings

- The settings tab allows the user to set and modify book (item) **Indexing** settings by organizing the data field that is to be filled in once the book's data is being entered into the system.
- The **Circulate** functionality allows the user to define the reservation policy by beneficiary user type, and to identify the types of books that can be loaned accordingly.
- The **Budget** allows the authorized user to modify and check the annual budget amount of the current year.



The screenshot shows the 'Library Management System' interface. On the left is a dark sidebar with a menu containing: Indexing, Search, Print, Reservations, Borrowings, Inventory, Visitors, Reports, Settings (expanded), Indexing, Circulation, Budget, Blocked Books, Specialist Libraries, and Data Cleansing. The main content area is titled 'Library Management System > Settings > Indexing > Authority Type'. It features a red 'Add' button, a search bar labeled 'Search in results', and a dropdown menu set to '10'. Below is a table with 6 rows, each representing a data field: Geographic Name, Meeting Name, Uniform Title, Topical Term, Corporate Name, and Author Name. Each row has an 'Actions' dropdown menu. At the bottom of the table, it says 'Showing 1 to 6 of 6 items' and includes 'Previous', '1', and 'Next' navigation links. The footer contains the text 'Copyright © Ministry of Education and Higher Education - Qatar 2019'.

Settings

- Using the system, the user can **Block** certain books from being used in all libraries. This can be applied for a specific reason such as religious content, politics, etc...
- The **Specialist Libraries** is used to identify specialists/managers that are responsible for each school library.
- **Data Cleansing** is to activate a process of detecting duplicates of authors or publishers within the system and merging them under one author's or publisher's name.

The screenshot displays the 'Library Management System' interface. On the left is a dark sidebar with a menu containing: Indexing, Search, Print, Reservations, Borrowings, Inventory, Visitors, Reports, Settings (expanded), Indexing, Circulation, Budget, **Blocked Books** (highlighted), Specialist Libraries, and Data Cleansing. The main content area shows the breadcrumb 'Library Management System > Settings > Blocked Books'. Below this is a red 'Add' button, a search input field labeled 'Search in results', and a dropdown menu set to '10'. A table lists one blocked book:

Library	Book Title	Publisher	Author Name	Created Date	
Central Library	Devil's Advocates	Auteur Publishing	Ashley Jade	04/10/2019	

Below the table, it says 'Showing 1 to 1 of 1 Items' and includes 'Previous', '1', and 'Next' navigation buttons. The footer contains the text 'Copyright © Ministry of Education and Higher Education - Qatar 2019'.

An isometric illustration of a library portal. The scene is set on a teal background. In the center, a woman sits on a stack of books, using a laptop. To her left, a man stands next to a large screen displaying a list of items. In the foreground, a man stands next to a large laptop. To the right, another man stands next to a large screen displaying a grid of items. In the bottom foreground, an open book lies flat, with a pencil and a pen resting on it. The overall theme is digital library access and user interaction.

Electronic Library Portal Features

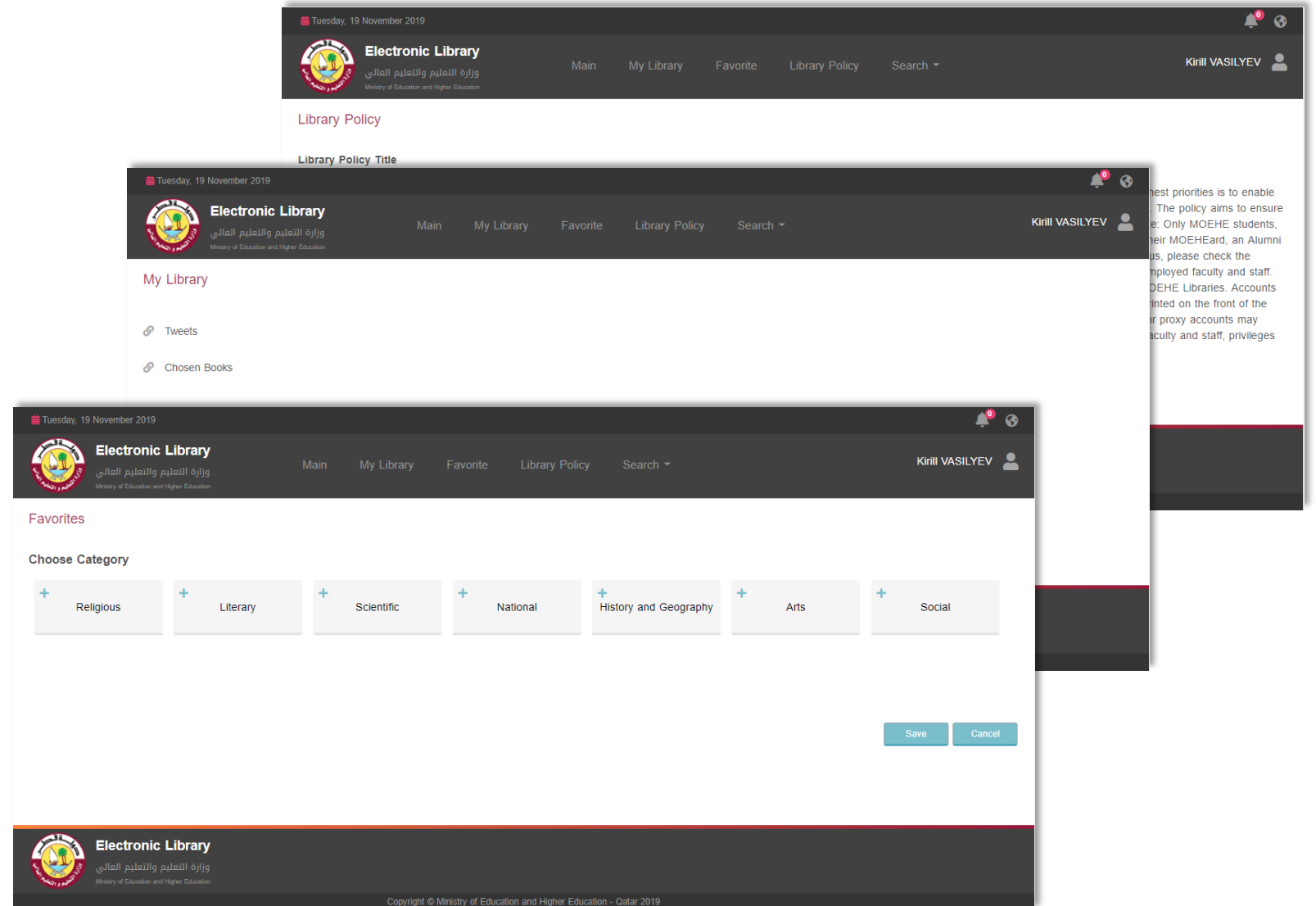
Homepage

- The main purpose of this portal is to create an interaction with the community and employees of the entity with its support for scientific research and motivation for creativity and innovation and its contribution to instilling national identity and values of society.
- Every library will provide to its users (students, student's parents, teachers and school staff members) the credentials to login into the portal.
- The **homepage** presents the books that are selected for the user him/herself, highest rated, and latest releases. In addition to that the most trending tweets.
- The navigation bar allows the user to navigate within the website, and it is equipped with user settings and language interface (AR/EN).
- Just like the Library Management System, the website is also equipped with an advanced search allowing the user to search within their library or other defined libraries (*My Library/All Libraries*).

The screenshot displays the homepage of the Electronic Library. At the top, there is a navigation bar with the logo and menu items: Main, My Library, Favorite, Library Policy, and Search. A search bar is located below the navigation bar. The main banner features a photograph of students in a library setting. Below the banner, there is a 'Welcome to our website' section with a brief description of the center's mission. The main content area is divided into several sections: 'For You', 'Highest Rated', and 'Latest Release'. Each section displays book covers and titles, such as 'The Dark Tower', 'The Losers' Club', '1922', and 'The Institute'. Below these sections, there are 'Tweets' and 'Events' sections, each with a 'Readmore' button. At the bottom, there are sections for 'Library Working Hours', 'Contact Us' (with an email and message form), and 'Quick Links'.

My Library, Favorite, and Library Policy

- The **My Library** page contains the link to the latest and most trending tweets, and another link to the books chosen for the user.
- The **Favorite** page contains all available book gender categories, allowing the user to select their favorite type of book gender (Religious, Literary, Scientific, National, History and Geography, Arts, Social, etc...) and their subcategories.
- The **Library Police** contain a description of the policy.



Book Details

- Once the user accesses the **Book Details** page, he/she can rate the book, and add it to favorites.
- Additionally, using the website the user can reserve a book copy and an additional comment concerning the book to the library.

The screenshot displays the 'Book Details' page for 'Cujo' by Stephen King on the Electronic Library website. The page is part of the Ministry of Education and Higher Education's portal. The header includes the date 'Tuesday, 19 November 2019', the user name 'Kirill VASILYEV', and navigation links for 'Main', 'My Library', 'Favorite', 'Library Policy', and 'Search'. The book details section features the book cover, author 'Stephen King', ISBN '9781444708127', classification number '823', publication year '11/11/2010', and genre 'Classic horror and paranormal fiction'. A rating section shows a 3.00 out of 5 star rating with 37,645 reviews, and buttons for 'Add Rate' and 'Add To Favorites'. The 'Book Copies' section shows a barcode '6656954', item type 'Book', and a status of 'Available 4 out of 28' with a 'Reserve Copy' button. A 'Comments' section includes a text input field and an 'Add Comment' button. The footer contains the Electronic Library logo and copyright information for the Ministry of Education and Higher Education - Qatar 2019.

Tuesday, 19 November 2019

Electronic Library
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Main My Library Favorite Library Policy Search

Kirill VASILYEV

Book Details

Cujo

Author Stephen King
ISBN 9781444708127
Classification Number 823
Publication Year 11/11/2010
Gender Classic horror and paranormal fiction

3.00 out of 5
Number of Reviews 37,645

Add Rate
Add To Favorites

Book Copies

Barcode
6656954
Item Type
Book
Copy Status
✔ Available 4 out of 28

Reserve Copy

Comments

Add Comment

Add Comment

Electronic Library
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A hand is holding a tablet computer in front of a bookshelf. The bookshelf is filled with books, and the scene is overlaid with a teal color filter.

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Thank you



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