

MySeriesList

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Abstract — *Usually a person has problems in registering or keeping a log of their own hobbies. For many years people succumb to hobbies like a scape, stress relieve, or just used to have fun. These specialties vary with each individual. As our time changes and technology grasp a more playing role in our lives, people create or are part of many amusement activities related to computers, TV, games, cellular and the use of applications in general. Some people just have their own file, for example: printed, manual or a list; trying to keep track of what they have done, see, read or play, regarding their hobbies. But the majority of the individuals do not do so. This online checklist will provide the user to agile the use of time and resources using only one online service with so many options. The only thing that will be needed is internet and a web browser. Then the user can access their own account and keep track of their hobbies in a more convenient way, for example via pc, tablet or mobile device. Also, this service will provide organization and a binnacle to keep track, add, or show the lists of categories or series.*

Key Terms — *Account, List, Record, XAMPP.*

INTRODUCTION

To manage what we do in our daily lives is very important in this era. With the different crisis, hard work, responsibilities or any task that becomes time consuming, the people needs or seek a more efficient and faster way to keep track of the little time we had to ourselves. This is a self-investment for each person. We need a guide, or a powerful tool within our grasp to be able to trace our hobbies, and to be able to manage them.

Here is introduced *MySeriesList* [1], an application that was created to be easy, flexible and understandable for any end user.

This application was created with the vision of being easy to use, promote a perfect organizational structure for the consumer. This tool will choose the eligibility of different types of categories and series.

Among the categories you will find such examples like: Books, TV Series, Manga, Anime and Video Games. Furthermore, it also allows to choose different types of series. These relevant to the type of the mentioned categories.

The use of the internet caught a big popularity in recent years. The use of technology is well strengthened in the market. And the best way to introduce a better organizational environment is using an internet application.

This visionary program seeks to access an account; the user will only needs to have access to the internet and a device either a personal computer, laptop, tablet, smart phone or any device with this type of access; and a favorite browser for access to your account, such as Microsoft Edge (replacement of Internet Explorer), Mozilla Firefox, Opera, Google Chrome, Safari, among others.

We must understand that there is a big problem when it comes to organize our time and remember what we already did; especially students and professionals, which time is reduced by their student and professional tasks. Many times an individual is not aware of what looks or contemplates making in their daily lives.

HISTORY

A list can be used to organize anything in our lives. A list can be a tool to simplify and organize a day [2]. In a daily life people has different task to do. We sleep, work, learn, study, we share time with nature, interact with others and with the flora and the fauna, and lastly we create time to use the technology. As our daily lives comes together we

see how we try to cope with the chaos in our lives or on how to organize our free time for our specialties and diversions.

The different applications in our world, tend to help or to not, to organize, or cope with our daily lives. A software can tame the chaos and streamlines of the little things [2]. It frees a person to focus on the big things [2]. *MySeriesList* [1] tries to organize and help a human in their daily lives, with their amusement. Trying to do things more kind and helpful for any user.

PURPOSE

This online application seeks to facilitate the track of the things a person like and will help to know what that person already saw, read or played. If everything is embodied on paper, paper can fade, and get lost. An account with the information will exist and also the use of paper will be minimized saving the planet. It is better to economize time, space, paper and work; by storage the information provided by the user.

SCHEME

The application will run using user records. Each user will have an account that contains their user name, password and email. Also, this particular individual user will have their series and categories list in individuals display.

There is a mechanism that is used to add categories and series respectively. For each record, list and add of information will be using a query. A query is a search, access, insert, delete or change information from a Database.

For a query to work, a database design is needed. For this particular solution a database was created: *MySeriesListDB*.

DATABASE

With a database, the representation of the solution is more clearly. This Database and the different queries, let the application to run, display, create, show reports, and let the user and current

administrator to access the information in a more convenient way.

Here you can see an Entity Relationship Diagram; this diagram was based and used for the solution of the database and the relation with each of the tables. See Figure 1 below.

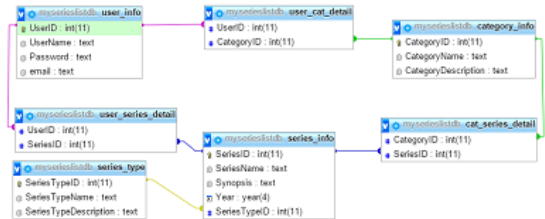


Figure 1
Entity Relationship Diagram

This project uses a database which will stored the information and records provided by the users. A database is a storage use to stored information. This information can be access, read, write, change, or deleted or used to create reports or in this case list to shown to the users.

A database is composed by different tables that will stored the information for each relevant record. Each table will contain an ID, to identify each record of a given table.

This program has seven relevant tables to the database. This table are: User Info, User Cat Detail, Category Info, Cat Series Detail, Series Info, Series Type, and User Series Detail. Each of the tables works with a given ID or IDs, since the data should be normalized, and organized to be used as the current solution.

A database is like the core of the application, because it is the part of the system that will stored and manage the information entered. This information can be accessed through an administrator that has a direct access to the information, or by the user on their own account.

REQUIREMENTS AND OBJECTIVES

This web service will fulfill the need of keeping track of what we do regarding reading, seeing and playing in our daily lives. Today,

page. Referred to Figure 3 to see an example of the CSS used for the main application and all its pages.

```

1  /*Main CSS main.html*/
2
3  p {
4      text-align: center;
5  }
6
7  h1 {
8      color: black;
9  }
10
11
12  table {
13      border-style: hidden;
14  }
15
16  textarea {
17      position: relative;
18      visibility: visible;
19  }
20
21  body {
22      background-color: #F0F5FF;
23  }

```

Figure 3
Main.css - CSS Code

JavaScript was used for the implementation and used of object oriented in this project. Every stuff can be considered an object, including a person [5]. Object oriented is used to describe how object are used to explain the relevance and creation of things. If we could see that object programming begins in life with the object call atoms, and then molecules. After that, at a high level view, a cell can be introduced, from a group of cells tissue can be found, and from an assorted tissues organs emerged, then a system in our bodies are form by a group of organs and the final object is presented as a person. JavaScript was essential for this project because it can support modern technologies. In figure 4 below, is an example of JavaScript use in the application.

```

1  Login Page Validator
2
3
4
5
6  //Validate username
7  function validateUsername()
8  {
9      var username = document.getElementById("username");
10     var pos = username.value.search(/[^\w\d]+/);
11     if (username.value == "" || username.value == null ||
12         username.value.length < 5) {
13         alert("Username must be atleast 5");
14         return false;
15     }
16     username.style.backgroundColor = "#F0F5FF";
17
18     if (pos != -1) {
19         username.style.backgroundColor = "#FFD700";
20         alert("The username you entered is not a valid username. It must be a minimum of 5 characters long and only contain letters, numbers, and underscores.");
21         return false;
22     }
23     username.style.backgroundColor = "#F0F5FF";
24 }
25
26 //Validate Password
27 function validatePassword()
28 {
29     var password = document.getElementById("password");
30     var pos = password.value.search(/[^\w\d]+/);
31     if (password == "" || password == null ||

```

Figure 4
Mainvalidator.js - JavaScript Code

XAMPP is the most popular PHP development environment being *open source* software suite [6]. This suite contains: MySQL, PHP, and Perl. The XAMPP open source package has been set up to be incredibly easy to install and to use for a user and developers [6]. This application used XAMPP because is an easy tool to used and the project took into considerations that is an open source and free of charge we suite. This tools helps and encourage developers to take on the world of applications, providing the necessary tools and a community with examples and helps. In the following Figure 5, we can see an example of PHP code.

```

1  <?php
2  session_start();
3  if (!isset($_SESSION["loggedin"]) || $_SESSION["loggedin"] !== true) {
4      header("location: login.php");
5      exit;
6  }
7
8  // Include config file
9  require_once "config.php";
10
11  // Check if user is logged in
12  if (isset($_SESSION["loggedin"]) || $_SESSION["loggedin"] === true) {
13      // Get user name from session
14      $username = $_SESSION["username"];
15
16      // Check if user is logged in
17      if (isset($_SESSION["loggedin"]) || $_SESSION["loggedin"] === true) {
18          // Get user name from session
19          $username = $_SESSION["username"];
20
21          // Check if user is logged in
22          if (isset($_SESSION["loggedin"]) || $_SESSION["loggedin"] === true) {
23              // Get user name from session
24              $username = $_SESSION["username"];
25          }
26      }
27  }

```

Figure 5
Main.php - PHP Code

Bootstrap is one of the most popular front-end frameworks and open source projects in the world [7]. In general it a powerful tool used for HTML, CSS, and JavaScript framework for developing responsive, mobile-first web sites [8]. This program comes with some templates and ideas to use for a new web site or a solution for a current production web application.

CONSIDERATIONS

This project took into consideration the time a user can access the application, view or add different categories or series. There was a necessity from the users' part, because this whole project seeks to fulfill this need.

In addition, the need to create this tool and make it the more user-friendly way was noted.

This web program began at first noted all the requirements and need from the user perspective and for the administrator of the tool. Then a database design was need and the entity relationship diagram, was introduced.

Designing the GUI was a challenge, because provide the user what it needs versus what he can work with was difficult. Creating a tool easy to access with a friendly user interface demonstrate the effort needed in the completion of this project.

Including the Requirements list, the project design and the development of the tool, we need to take into consideration the results of this application and prove that the needs for the user a fulfilled. We will see the functionality of the program since the first process to create an account and to get to a specific user account.

Coming up next, the results of this project will be presented. Providing a better view of the tool, which makes this work and its processes.

RESULTS

This project shows that as a result this will help any kind of user to maintain and organize a list. As mentioned before the target audience for this application could be an end user with or without knowledge; and that the professionals and students, would also find this application appealing, because it is not time consuming and it works for the purpose of keeping track of our digital or non-digital hobbies.

The web project consist of different kind of interfaces. This interfaces shown are for:

- Main Page – LogIn Page
- Registration Form – New registers page
- Main Menu – Shows the different tools provided in the application
- My Categories – Shows the user current categories records
- My Series – Displays the user current series list
- Add Series to MyList – The window that works with the add of series relate to the user account.
- Add Categories to MyList – The window that works with the add of series relate to the user account.

The following figures show the results for the different windows.

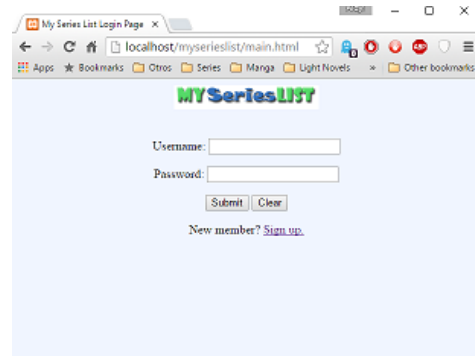


Figure 6
Main Page

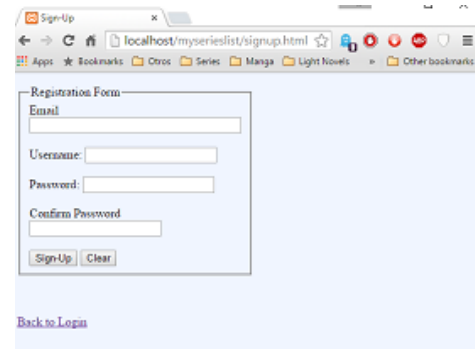


Figure 7
Registration Form



Figure 8
Main Menu



Figure 9
Categories



Figure 10
Add Series

CONCLUSION

This application can provide a user a new tool to organize of the different categories and series, regardless of their hobby. This application also provides a new way to keep track of what a person do regularly or in a more big scope.

This tool will help each individual to avoid the use of files or paper. Providing an easy to use web application; focusing in the organizational and structural behavior to show or add a list of categories or series.

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