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Report on Laravel Project
Zgyasu – The Query System

Submitted by:

BIM 4th Semester

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Submitted to:

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Date of submission: 6th June 2022

Acknowledgement

We would like to express our sincere gratitude to our lecturer Mr.Sarbeshwor sir and NCCS College for providing their invaluable guidance, suggestions to work on Laravel framework. We would like to specially thank Mr.Sarbeshwor sir for his flawless lecture and guidance through to create a Laravel project and NCCS College for providing us this extra class on Laravel framework.

Also, we would like to extend our gratitude to the BIM faculty's administration for organizing these types of extra class beside our actual course for building our self-confidence and experience.

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Abstract

Zgyasu is a website where a user can ask the query or question user been strangled upon an get answers from other experienced user or the professionals. Zgyasu is a query system. It is build using HTML, CSS, JS for frontend, PHP's framework Laravel for backend and MySQL for the database. In Zgyasu different types of users can sign up and put their query and get serve with the appropriate answers. We have provided facilities to user to make their own server or else they can join other organizations to keep their queries. Different organizations' admins and start their serves and add professional to provide answer.

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1. Introduction

Our era is known as the Information era where we can get as much information as we want. With the increase in number of information comes the difficulty to find the accurate answer. Zgyasu is the perfect platform to solve that problem or difficulty. Zgyasu is an online based query system. This is a service-based website made for solving queries of user through other users or professional. This is a simple yet so necessary system in the market which can be used of user of any field with little knowledge of internet. User can also make their own server as per their necessity to learn amongst their classmates and learners' group.

Zgyasu the online query system is a web based, service-based platform for every individual internet user. This website is coded using PHP framework Laravel, for the frontend we have used HTML, CSS and a bit of JS. HTML to make write the texts on website, CSS to beautify the content on the website and JS for the interaction purpose as events. We have used Mysql for the database management making tables and showing relationship among the tables or the entity. It is a fully deployable website.

1.1 Working process in Zgyasu

Admins are the main component in this query system. Admin have the maximum rights to play around with website following the protocols. Admins manages the overall websites. Admin can add, delete and update the users and servers of the websites. We have made CMS for admin to add, delete and to update the website of user. CMS is a content management system which helps to admins to easily play around with the other components of the websites.

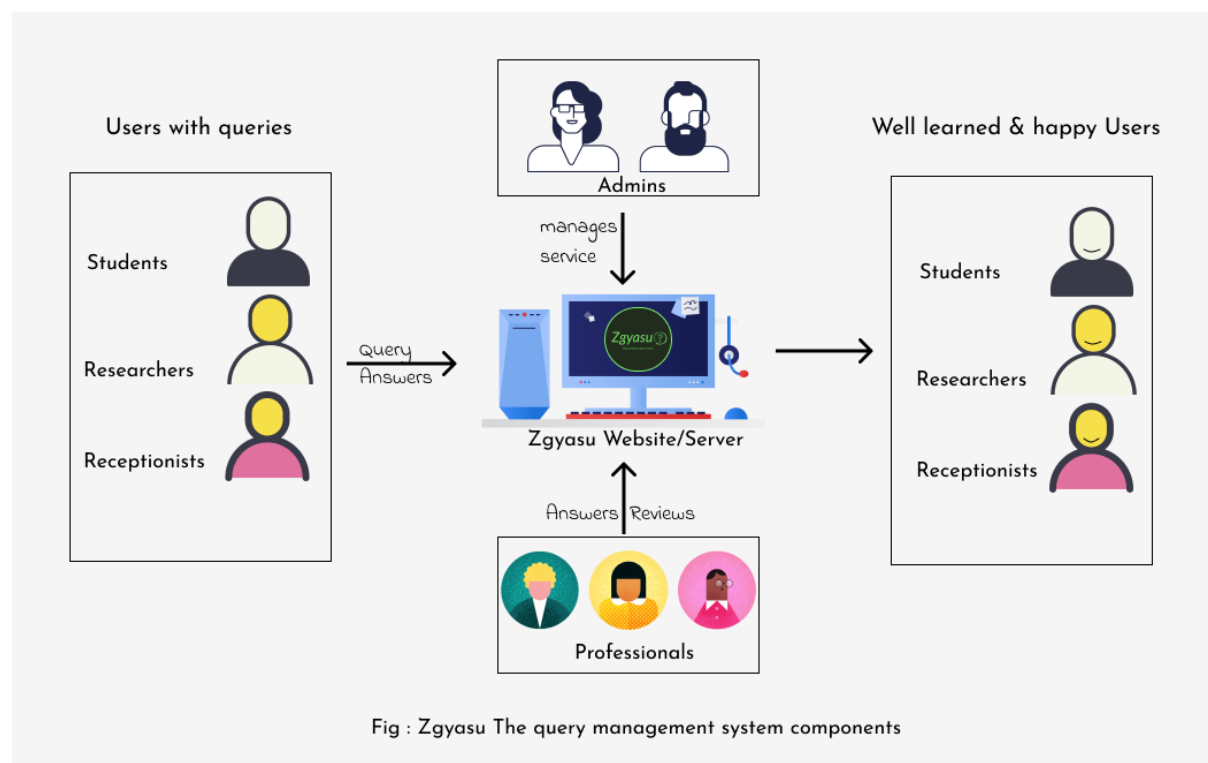
To get access of the website, A user must have their account on the website of Zgyasu. When user makes or sign up and sign in Zgyasu website they get access to different features provides by us in the website. A user can check servers in made by professionals, check on different categories, view interaction like - queries and answer of other users. A user can ask or put question of different field into different available categories. For example,

Example 1: If a user wants to know or have a query about opening a current account in commercial bank. A user can ask or post a query on different server available under the bank categories.

Example 2: If a user a student and want to know about different faculties and colleges available near in their area. They can post a query in the servers related to education or the servers that come under education category.

User with a question or query can posts the question in a server and get answer by other users or by the professionals available there.

Professional are also the user in website but with higher knowledge of different filed. A professional can be a teacher, a programmer, a manager of bank, a government officer, head of department and so on. Professional also has to sign up like a normal user would, just a difference is they have higher knowledge in different filed. This helps professional to teach other normal users and keep updated with the trending market.



We chose this topic because as we know that the world is changing so fast, especially the world of information technology which is changing so rapidly that it is hard to focus on a single thing. So, to keep up with the change we came up with the idea of Zgyasu the query system.

1.2 Objectives

We have a long vision with our website Zgyasu. As a Query System, we have built this website with the following objective.

1. Easier to find answers to our queries from people we are familiar with or from other people.
2. Easier for professionals to answer queries of their students, coworkers, subordinates, etc.
3. Access to people of many sectors such as educations, Health, musical, etc.
4. Can be a platform for providing personal feedback and reviews.
5. Keep connection with group of friends.
6. Promote use of internet to find the answer of queries
7. Easy access of solution to save time of the user.

1.3 Features

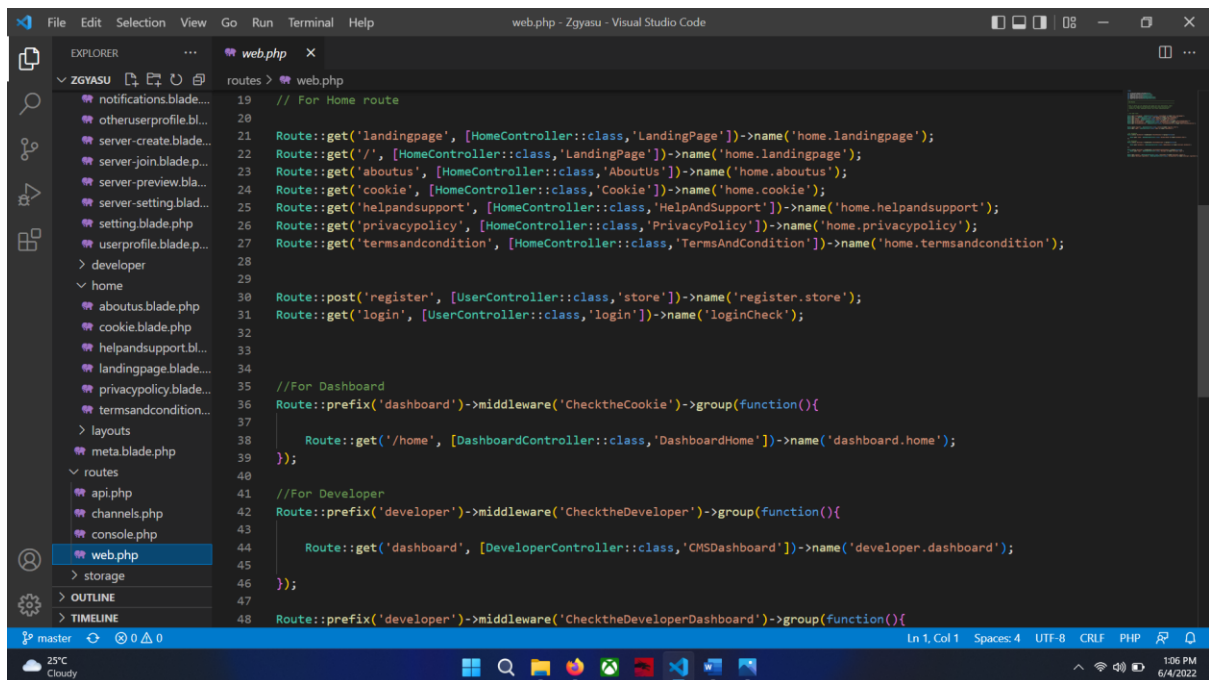
1. Servers under different sectors
2. Connection with many professionals.
3. Well maintained website by admins.
4. View the interaction (question & answer) of other users.
5. Many public servers.
6. Facility of making serve of your own.

1.4 Limitation

1. Limited number of users.
2. Lack of big database.
3. Just a prototype of the possible dynamic website.
4. Small bugs yet to be fixed.
5. Cannot add images on server and user.

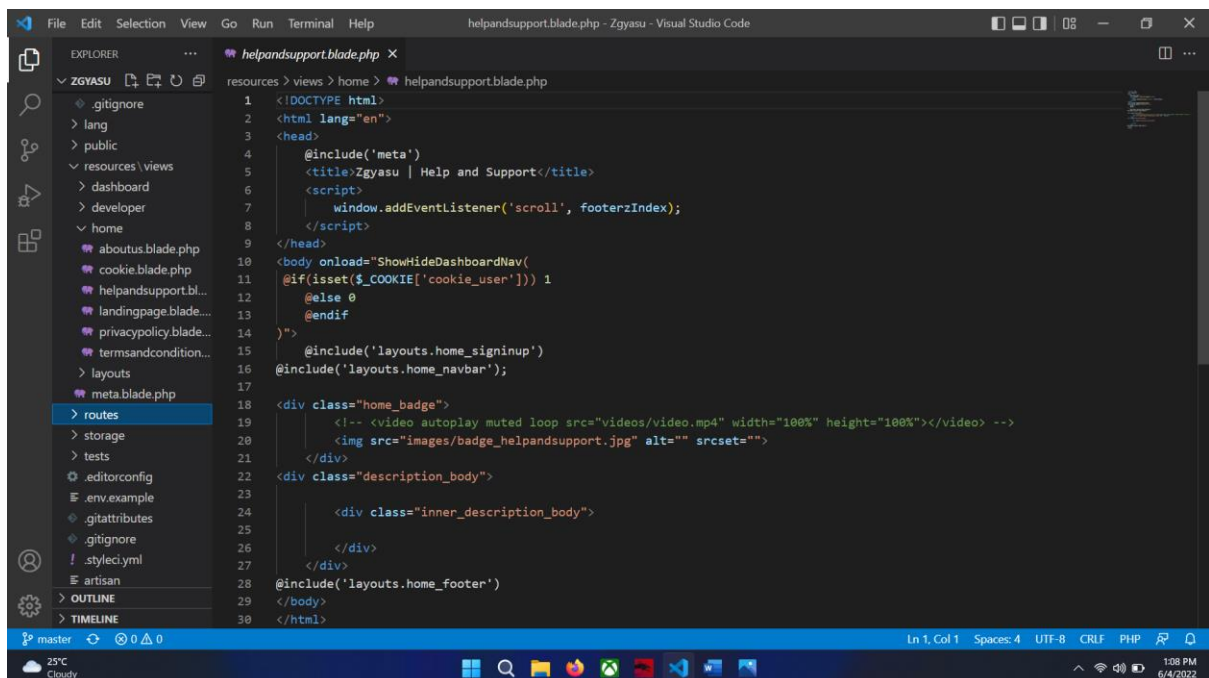
2. Insights in the Working

2.1 Basic Code



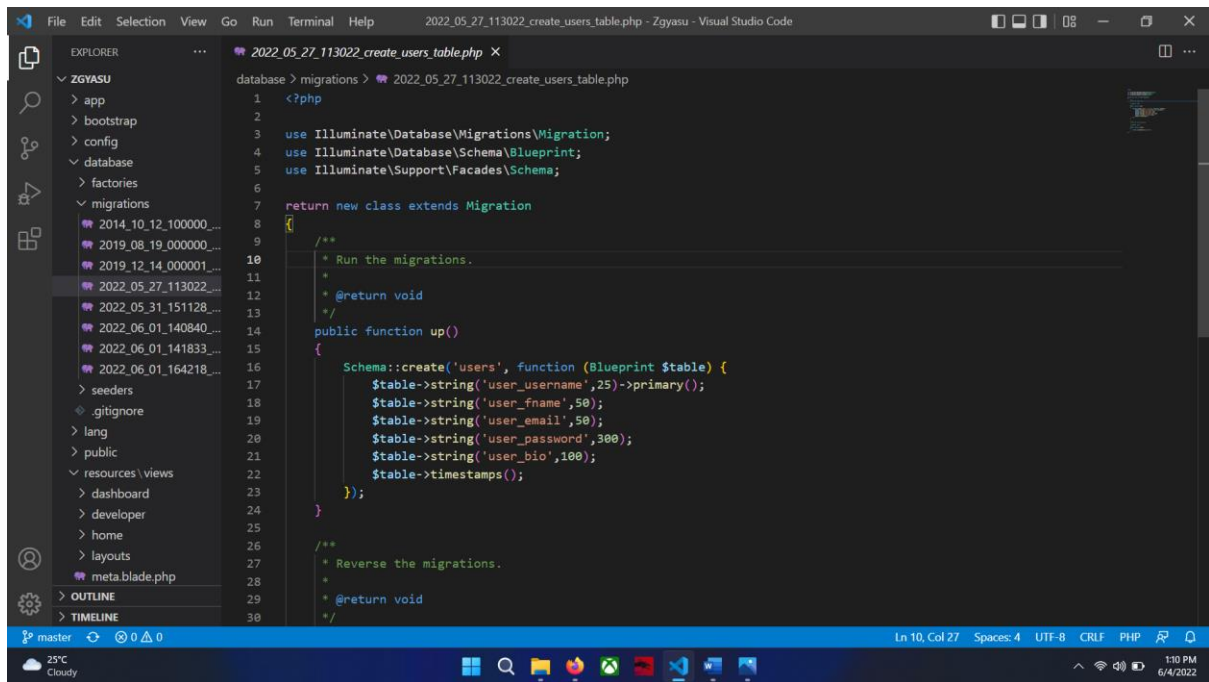
```
19 // For Home route
20
21 Route::get('landingpage', [HomeController::class, 'LandingPage'])->name('home.landingpage');
22 Route::get('/', [HomeController::class, 'LandingPage'])->name('home.landingpage');
23 Route::get('aboutus', [HomeController::class, 'AboutUs'])->name('home.aboutus');
24 Route::get('cookie', [HomeController::class, 'Cookie'])->name('home.cookie');
25 Route::get('helpandsupport', [HomeController::class, 'HelpAndSupport'])->name('home.helpandsupport');
26 Route::get('privacypolicy', [HomeController::class, 'PrivacyPolicy'])->name('home.privacypolicy');
27 Route::get('termsandcondition', [HomeController::class, 'TermsAndCondition'])->name('home.termsandcondition');
28
29
30 Route::post('register', [UserController::class, 'store'])->name('register.store');
31 Route::get('login', [UserController::class, 'login'])->name('loginCheck');
32
33
34 //For Dashboard
35 Route::prefix('dashboard')->middleware('ChecktheCookie')->group(function(){
36
37     Route::get('/home', [DashboardController::class, 'DashboardHome'])->name('dashboard.home');
38 });
39
40 //For Developer
41 Route::prefix('developer')->middleware('ChecktheDeveloper')->group(function(){
42
43     Route::get('dashboard', [DeveloperController::class, 'CMSDashboard'])->name('developer.dashboard');
44 });
45
46 Route::prefix('developer')->middleware('ChecktheDeveloperDashboard')->group(function(){
```

Picture 1: Web.php file showing the routes between different pages

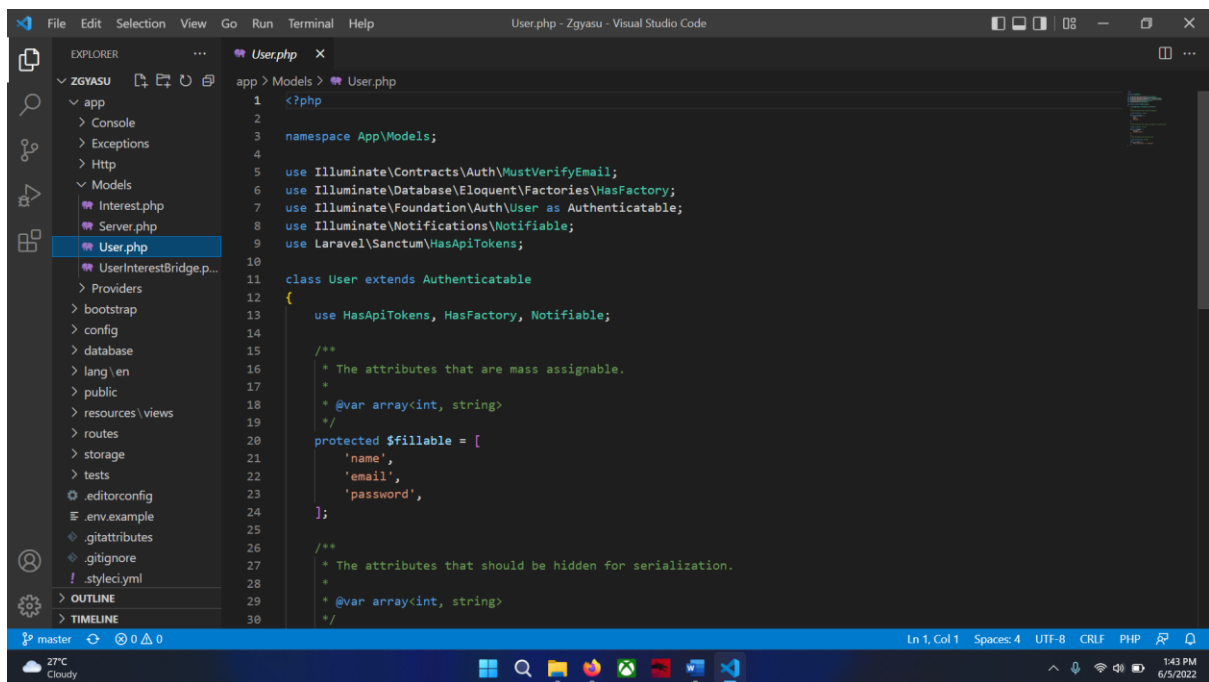


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     @include('meta')
5     <title>Zgyasu | Help and Support</title>
6     <script>
7         window.addEventListener('scroll', footerzIndex);
8     </script>
9 </head>
10 <body onload="ShowHideDashboardNav(
11     <if(isset($_COOKIE['cookie_user'])) 1
12     @else 0
13     @endif
14 )">
15     @include('layouts.home_signup')
16     @include('layouts.home_navbar');
17
18 <div class="home_badge">
19     <!-- <video autoplay muted loop src="videos/video.mp4" width="100%" height="100%"> -->
20     
21 </div>
22 <div class="description_body">
23     <div class="inner_description_body">
24     </div>
25 </div>
26 @include('layouts.home_footer')
27 </body>
28 </html>
```

Picture 2: blade.php files with htmls to make a webpage.



Picture 3: Migration files to make different tables in databases



Picture 4: Models used in Zgyasu

```

1 namespace App\Http\Controllers;
2
3 use Illuminate\Http\Request;
4
5 class DeveloperController extends Controller
6 {
7
8     function CmsLogin(){
9
10         return view('developer.developer_login');
11     }
12
13     function CmsLoginCheck(Request $request){
14
15         if($request->input('developer_uname') == "user123" && ($request->input('developer_password') == "password123"))
16             setcookie('cookie_developer', $request->input('developer_uname'), time() + (86400 * 90), "/");
17             return redirect(route('developer.dashboard'));
18         }
19         else{
20             $dev_err_login="Wrong UserName or Password";
21             return view('developer.developer_login',compact('dev_err_login'));
22         }
23         return view('developer.developer_login',compact('dev_err_login'));
24     }
25
26     function CmsSignOut(){
27
28
29
30
31
32

```

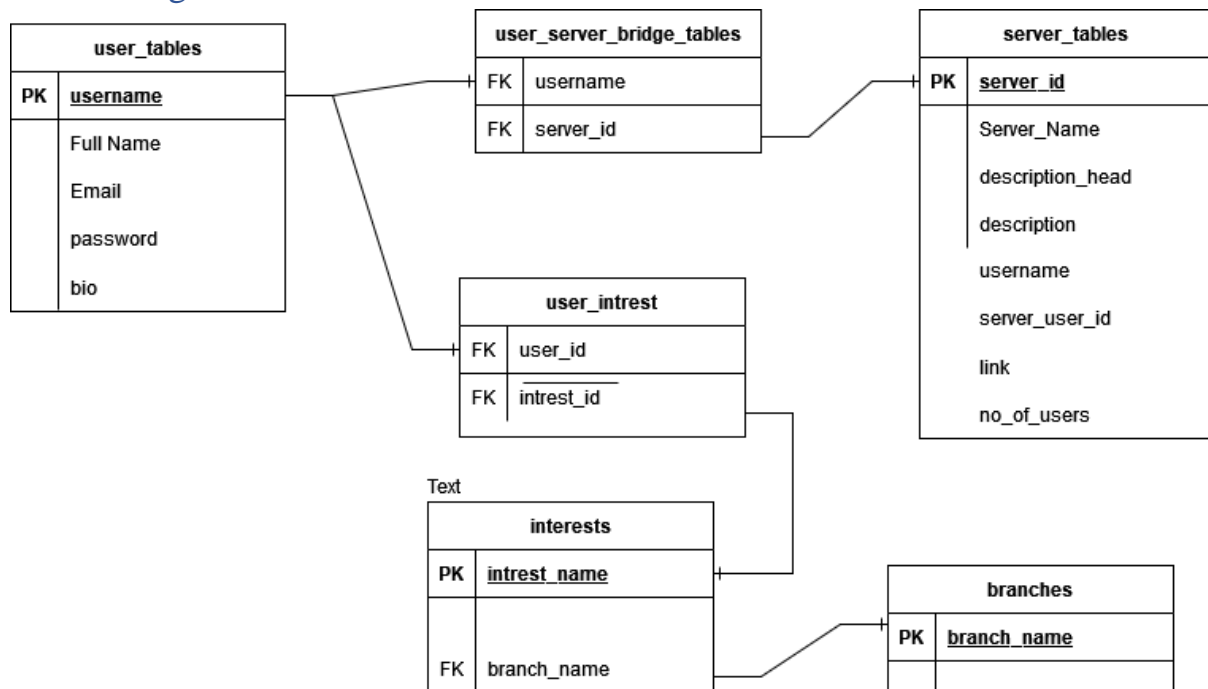
```

32     function CmsSignOut(){
33         unset($_COOKIE['cookie_developer']);
34         setcookie("cookie_developer", "", time()-3600);
35         return redirect(route('developer.login'));
36     }
37
38     function CMSDashboard(){
39
40         return view('developer/developer_dashboard');
41     }
42
43     /**
44      * Show the form for creating a new resource.
45      *
46      * @return \Illuminate\Http\Response
47      */
48     public function create()
49     {
50         //
51     }
52
53     /**
54      * Store a newly created resource in storage.
55      *
56      * @param \Illuminate\Http\Request $request
57      * @return \Illuminate\Http\Response
58      */
59     public function store(Request $request)
60     {
61
62
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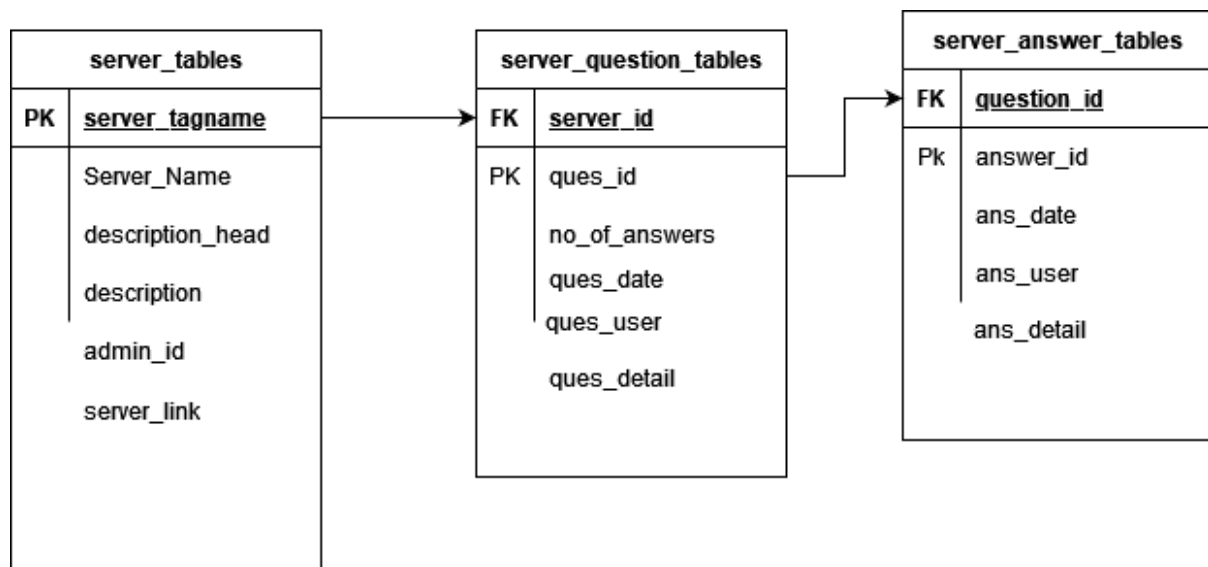
```

Picture 5: Controller files (DeveloperController.php)

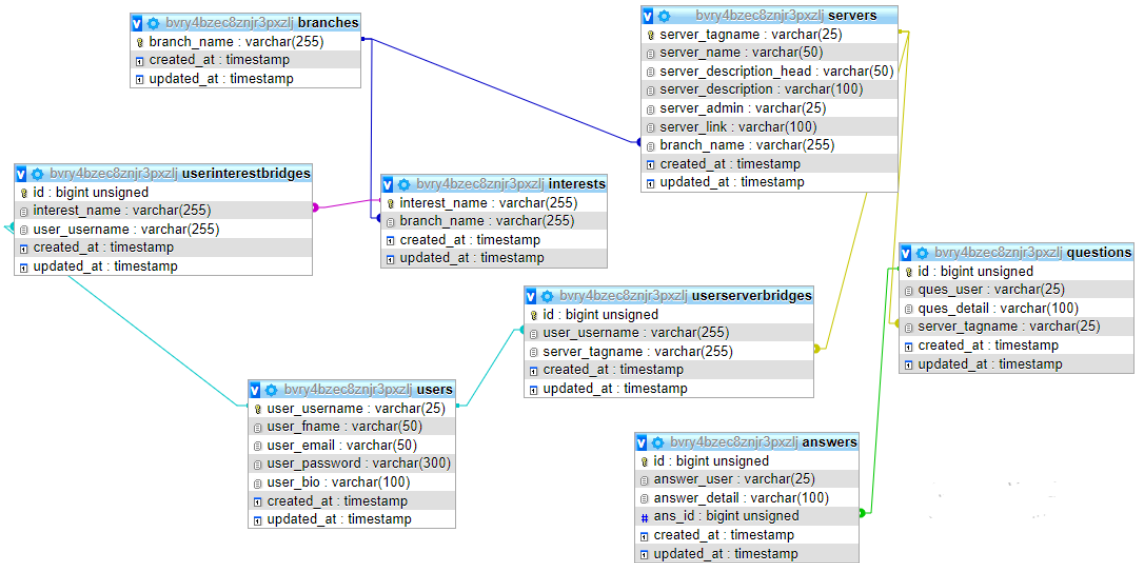
2.2 ER diagram for databases:



Picture 6: ER diagram showing tables in a database



Picture 7: ER diagram showing the links between server tables



Picture 8: Class diagram of Zgyasu Query system

3. Conclusion

Zgyasu is the query system built on PHP framework Laravel. Zgyasu is an idea to solve query of different people in the internet. It is a functional website. We can perform CRUD operation in the website. We can create, rename, update and delete users, servers in Zgyasu. Besides that, we can perform various actions like adding servers in your account, make own community servers. We have tried out best knowledge to make this website functional with JS events, beautifying with colors with CSS also. But there are yet many bugs to be fix to make it more dynamic and have good user experience. MVC pattern is also used to make website or system flow easier using Model View and Controller. This is a simple yet so necessary system in the market which can be used of user of any field with little knowledge of internet.

References

Websites used to prepare Zgysau Query system:

Youtube

- <https://www.youtube.com/watch?v=376vZ1wNYP>

- <https://www.youtube.com/watch?v=kEeFHJhxHG0>

Laravel documentation

- <https://laravel.com/docs/9.x/controllers>

- <https://laravel.com/docs/9.x/migrations>

Github

- <https://github.com/phuyalbish/Zgyasu>

Pexels

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CRUD

- <https://www.javatpoint.com/laravel-crud>

MVC

- <https://dev.to/grahammorby/mvc-and-creating-it-in-laravel-8-2a6b>

- <https://www.quora.com/What-is-MVC-in-PHP-Laravel>