**School Management System Architecture.**

This document will update after discuss with client.

1. CMS (System Management Page - Backend),

System manager can control CMS (Backend page.)

CMS will be allow like that menus.

|  |  |  |
| --- | --- | --- |
| menu |  | Short key |
| Login page and profile |  | 1-1 |
| Dashboard | System manager can show all information with brief chart. | 1-2 |
| Role management | System manager can control user ‘s role. This may be group management.  System manager role = 1  Sport Club(school admin) role = 2  Personal trainer role =3  Athlete = 4 | 1-3 |
| School management | System manager can control all school with area and position and other  Table name : school\_name  Id, name, city, latitude, longitude | 1-4 |
| Member management |  |  |
| Sport Club management | System manager can control sport club. This information will be add in frontend page with such as first name, last name, role, school name, id, password and so on.  Table name : sports\_club  Id, first\_name, last\_name, birthday, (male, female, other), blood group(0+, 0-, A+, A-, b+, B-, AB+, AB-), phone, qualification, address, city, country, pin\_code, email, user\_name, password, confirm\_password, joining\_date, leaving\_date, current\_position, employy\_code, working hours | 1-5 |
| Trainer management | System manager can control trainers. This information will be add in frontend page.  Table name: trainer  Id, first\_name, last\_name, birthday, (male, female, other), blood group(0+, 0-, A+, A-, b+, B-, AB+, AB-), phone, qualification, address, city, country, pin\_code, email, user\_name, password, confirm\_password, joining\_date, leaving\_date, current\_position, employy\_code, working hours | 1-6 |
| Athlete management | System manager can control all athletes. This information will be add in frontend page with such as first name, last name, role, school name, id , password and so on. | 1-7 |
| Courses management |  |  |
| Registered Course list | System manager can only show current all courses registered by sport Club with their schedule.  System manager can only show all athletes registered with schedule. | 1-8 |
| Course Schedule list | System administrators can view schedules that are registered by weekly and by date and can see registered athlete, feedback information and other information about all the proposals and can see whether the status of the completed athlete is approved or pending. | 1-9 |
| Course Booking list | The system administrator can view the information reserved from athlete and can see the current activity status, payment status, and so on. Activity state can be divided into pending state, approved state, and deleted state. | 1-10 |
| News letter management | System manager can create or edit newsletter as html | 1-11 |
| Email template management | System manager can create some email template. So system will be send within this template when generate event by require. | 1-12 |
| Report management | System manager can report all function by select from date to date. | 1-13 |
| General setting | System manager can setting such as site name, logo, payment account(sandbox is true to false) | 1-14 |

1. Sports Club page /Super admin page. (Frontend)

Sports club can show their school information and history.

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| --- | --- | --- |
| menu |  | Short key |
| Sign in and sign up, profile page | Sports club can sign up and this can enter after approved. | 2-1 |
| Dashboard | Sports club show all information with brief chart by own school. | 2-2 |
| School management | Sports club can control own school with their position and other information. This information can check by system manager. If this is not approved by system manager, athletes who are registered can not play any event until approved. | 2-3 |
| Athlete management | Sports club can only show all athletes. And these athletes can approve only by system manager. | 2-4 |
| Courses management |  |  |
| Course list | Sports club can add new course and edit. After edit, can send require information to system manager. And this can use after approve by system manager. | 2-5 |
| Course Schedule list | Sports club can add new schedule or edit. If this schedule was approve by system manager, then can not repair these information. | 2-6 |
| Course Booking list | All athletes can booking after login in front page. After booking, can check these members. After finish course, status can change. | 2-7 |
| Report management | Sports club can report all function related their school by select from date to date. | 2-8 |

1. Personal trainer page (Frontend)

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| --- | --- | --- |
| Menu |  | Short key |
| Sign in and Sign up  Profile page | After sign up, email will send system manger. But can not use this page until approved by system manager. | 3-1 |
| Landing page | trainer will show landing page after login. | 3-2 |
| Course register | Trainer can register and edit course. But this course can be use after system manager approves. | 3-3 |
| Schedule page | Trainer can create schedule and update. Also can not edit after approves by system manager. | 3-4 |
| Feedback page | This is the page for the trainer leaves his feedback to each athlete about their scores. Also he can review the feedbacks received from athletes. | 3-5 |

1. Athlete page (Frontend)

Leta athlete can show all history and state in their page.

|  |  |  |
| --- | --- | --- |
| menu |  | Short key |
| Sign in and Sign up  Profile page | After sign up, email will send system manger and Course club. But there is no course which athlete want, then can not sign up. | 4-1 |
| Landing page | Athlete will show landing page after login. | 4-2 |
| Course Booking | Athlete can reservation with selected course. | 4-3 |
| Feedback page | This is the page for the athlete to leave feedback to personal trainer or review his feedback from him.  He can get other’s reviews. (optional) | 4-4 |
| About us |  |  |
| Contact form |  |  |

1. Landing page. (Frontend)

Free users can visit this page.

1. Our Suggestion

* We had better choose another framework to develop your task. (We prefer Laravel, Angular)

When sign up, email will send system manager and sport club. And system manager will approve these users after some confirmation operations. And then sport club or athlete can login.

All Course and Schedule can be used after they are approved by system manager.

Email may be sent automatically to all users with registered email template according to the reserved time schedule.

This will need a crontab function in a dedicated server such as Godady or Amazon server.

This document contains simple requirements.

But I think it will contain more accurate and proud logics. And I look forward to expanding further.

You can also add video capabilities. This can also be used for video services such as wowza video sever. Or you can also use api such as youtube or vimeo. If we don’t use this, all the video file will be stored at your own server. This will be a big problem to you. Let’s imagine that there are 10 members who are uploading video files to server. If they upload more than 10 video files each, there will be more than 100 files in server side.

**The Gym plugin** you given me is well designed and coded. But it completely depend on WordPress. And of course, it is so slow. And furthermore, when the version of gym plugin upgrades, it needs to be upgraded and shows alarm to users that it needs to be upgraded. But when we upgrade it to newer version, our codes will be replaced with new gym plugin codes. This is the critical problem.

And the gym plugin has many functions and items that are not necessary for us.

So this mean, for extending and modifying to your desired way requires huge efforts and not easy task.

I am sure, you will certainly need to extend this project. You will want to add more functions. In some cases, need to be modified.

**As a result of these problems above**, we need to develop your project with any other framework such as Laravel and Angular rather than WordPress.

I suggest you Laravel framework for backend and Angular for front-end.

If my suggestion is agreed with you, we can buy simple theme for Laravel backend, and then can extend from it. Also buy angular theme for frontend. And we can also extend these.

This will make our task faster.

1. Conclusion

Let us discuss one by one with 1, 2, 3. This is business logic and these will be implemented to your system. If we take a right business logic, development will be easy.

We can use git and Jira. So you can check the git repository in real time. And you can update project schedule through Jira. And I will update you according to the schedule in Jira.