Drupal Framework

Drupal is an advanced open source content management platform powering millions of websites and applications. It's built, used, and supported by an active and diverse community of people around the world.

You can use Drupal to build everything from personal blogs to enterprise applications. Thousands of add-on modules and themes let you build any site you can imagine.

We have high level of expertise in making websites using Drupal framework. You can hire us to develop your website using Drupal framework.

Project Development Steps using DRUPAL framework

1. Initial communication and feasibility study from time/cost/tech point.
2. Make or buy decisions - Decide which modules will be made from scratch and which 3rd party plugin will be purchased
3. Define the project in a requirement document. Detailed requirement of the features that need to developed from scratch and customization/integration details of the existing features
4. Estimation, Hiring Model decision (project based, virtual dedicated or dedicated) and project development planning
5. Design the Templates of the home page and main section pages
6. Final analysis, database design, project design and development planning
7. The main development & unit testing

   a. Re-integrate the DRUPAL framework with the core Drupal framework and required modules. Unrelated modules are removed to make it easy to maintain and use.
   b. Convert the templates in HTML and setup those in Drupal framework
   c. Customize the common and ready modules and pages
   d. Develop the custom modules along with additional code library
8. Test every unit at the time of the development. Client will see the progress and have the option to modify. Quality control by DRUPAL QC team
9. UAT & Fixing - Testing by client
10. Project Delivery to client server for Live data & launch

RP Framework Vs Drupal

SI	RP Framework	Drupal Framework

1	It is a CMS as well as application development framework. You can develop simple information website as well as large multi-module custom web application.	It is the same
2	Clear separation of business, application and display logic	It is the same
3	Custom CMS, codes can be used by the RP customers only	Open source and codes are open to all including hackers
4	The basic CMS, cart and some more popular modules are readily available. Any extra module must be developed from scratch.	You can quickly start a new website buy assembling the right 3rd party modules.
5	Minimum cost to develop a custom module	More cost to develop a custom module as the system is not taht much flexible.
6	No maintenance issue due to version conflict (for any future change and addition) as all the modules are developed by RP itself	Can be an issue. Drupal Core Version upgrade can cause compatibility problem with an existing 3rd party plugin.
7	Right for websites / web applications that require more custom modules and/or future modifications	Right for web application that can be built using ready modules and you may not need much changes in the business logic
8	Highly secure and not prone to security hacks. No upgrade trap.	Basic security system is high. But since it is open source you need to upgrade with every version upgrade.

Why Hire From Us?

RP Quality Benchmark

Here are some points describes how our product/services are better than most of our competitors. When you compare our price with theirs, you must consider these quality benchmarks too. Normally cost increases at higher ratio with the increase of quality

1. **Clear Project Definition:** The quality process starts with the definition of the project. Most vendors try dumping their system that was made for another client. Soon you will understand

that you have paid for a wrong system that actually will not serve your purpose. But we extract your own requirements and make the right system that actually you need. To avoid remake cost we too use ready modules, codes, but never dump a module that you don't need when you are paying for a custom system.2.

2. **Requirement Analysis and System Design by Experts:** It makes a big difference if the requirement analysis and system design is done by an Expert not by a 2-3 years experience developer. Normally you will not face any difficulty initially but will start to see it when the time for delivery comes. Here are some symptoms if the system design is done by an inefficient hand

   a. The project will be delayed despite developer is working hard
   b. You will discover many important things that was not considered
   c. The developer will say "NO" to include new features even if you pay for it
   d. To fix small things takes too long.
   e. One fix creates another issue and make the system unstable
   f. After the site is live, adding new feature becomes a costly affairs
   g. A new programmer cannot manage the site properly

   These issues are likely not to happen with Web Applications developed by us.

3. **Unique Web Templates by a Graphics Designer :** It makes difference if the site template is specially but for you or not. Ideally you need to build page template for home page and each page types. If it is not an unique template, just derived from another template then two major issues may crept in

   a. It will look like another website. If the developers has copied the internal HTML too then there is an SEO issue
   b. The developers who have little design sense will manipulate the site layout and the layout will lack perfection

   Custom website developed by us will not suffer from these issues.

4. **MVC Architecture with Multilayer Security:** A simple website can be built quickly without architecture. But when a same chunk of code, same set of data are to be reused in different section of a large application you need a proper architecture. We use our own MVC architecture that keeps display and logic layer separate. The look can be easily changed without affecting the basic logic. Over time business changes and you may need to change the logic. The architecture allows you to make change at one place, to affect site wide. This architecture also helps you to introduce a new module in the same system without paying the Moon or rewrite the whole system.

5. **Ensure Quality Coding:** We ensure that the developers maintained following quality benchmarks while writing codes for your system.

   This architecture also helps you to sleep well during night. It has multiple security layers with custom password encryption system. Unlike many open source framework you will not see your site as a hacked site in Google due to security flaw in the application.

a. Architecture Maintained - Architecture maintained code ensure helps to reduce errors and enhance change flexibility

b. Proper Coding Convention - Proper Convention maintained code makes future changes code easier and less costly.

c. Properly Indented and Clean Code - It helps future developers to understand the code quickly and reduce the maintenance cost

d. Non Redundant Codes / Data - Stop the chance to generate errors at another section of the application when change is made at one section

e. No hard coding - To make site wide changes you need to change in a configuration file or table not to open 1000 files and edit them individually

f. Hack Proof Code - It stops hackers to inject code through a form, session or other injection method and hack your site to show their content to do evil works

6. **Formal Quality Review & Testing:** Apart from unit testing done by the individual developers we run formal quality review and testing against common programming errors, design errors, data errors and security concerns. We run this test totally free even for the projects done by the dedicated developers. Developers can easily fix an error once it is identified.

7. **UAT Testing & Fixings:** You still have the last chance to test your application and make change request. We will fix if there is a bug or change at no extra cost if it is under the project scope.

8. **Live Testing during Warranty Period:** We run a live testing after a site is live. There are always some possibilities of errors when an application is run under a different PHP/MySQL /Apache environment in the live server. We understand it and take care of it.

9. **Ensure Quality In the Long Term:** There are many reasons why you will need our support services after the site is up and running. With the change of the business logic you may come up with new change proposals. New issues may also come due to change in the server configuration or with server move that may need an urgent fix. We continue to provide you services for a very reasonable cost in the long term. Of course if you allow us to do so. We will be available for support for even a small issue. And the change cost with our applications will be surely much lesser than it is for an application developed in an opensource framework.