

System Description

You are an indefatigable person, who's got the necessary skills for the job, but can't find it, or someone with a vision, but lack the technical skills to achieve it. In either case this platform is your solution to starting a portfolio for your own or achieves your vision.

Advertising

The website gives starting developers the platform on which they can create a name for their own and build their portfolio, each developer can login and create their own profile the website also keeps stats of successful job rates and feedback and also offers additional periodic advertising for active users of the platform by sending scheduled automated emails. The website also offers a proposal service where developers can propose their services to particular clients.

Meeting Needs

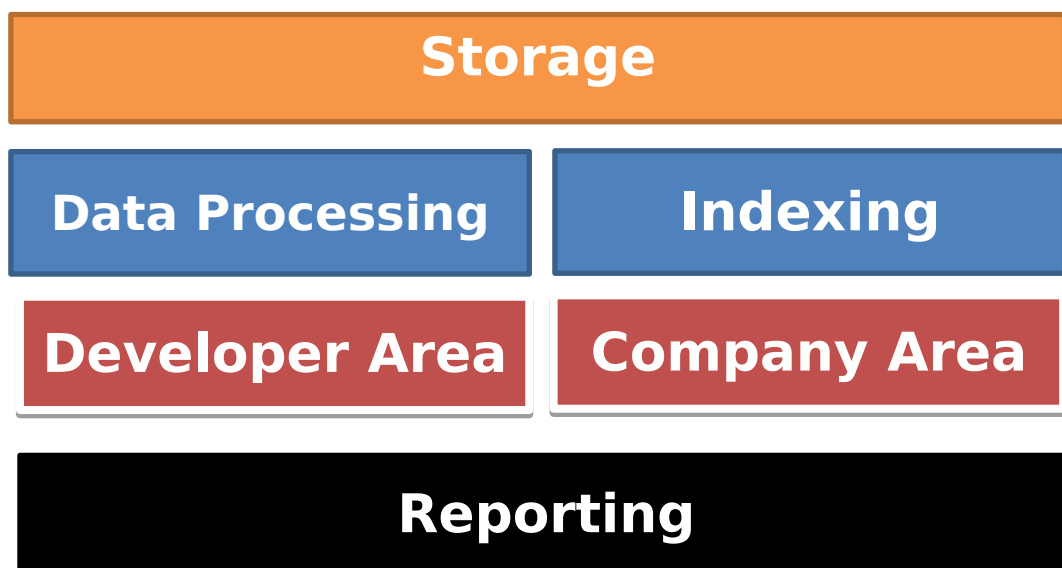
If someone wants it, another probably is ready to serve it. On this platform multiple services will be available by multiple developers to choose from, and for the ones not yet available service requests will be considered to add the service to the available ones, by checking periodically what is the most required service is and adding it to the list of available services.

System Architecture

Service advertising system is a great business model that allows you to get started with virtually no overheads that you can start almost immediately with a bit of time and passion. So many people think freelancing is just for creative professionals but I have learned that the business model is so much more. I define freelancing as: **“A business started by an individual that advertises a service.”**

The system consists of the following modules:

1. Storage.
2. Data processing.
3. Indexing.
4. Developer area.
5. Company area.
6. Reporting.



Storage

Service advertising system uses different types of storage:

- Core storage for user interaction.
- Archive storage for historical changes, deleted contents in developer profile.
- System storage for system configuration, developer information and company information.
- Indexing storage to support full text search engines.

Core storage uses MySQL structured database as it's the most popular database system used with PHP, ideal for both small and large storage, very fast, reliable, easy to use, uses standard SQL and compiles on a number of platforms.

Archive storage uses JSON data format stored directly over distributed storage. JSON allow flexible access of data attributes. Distributed storage allows fast access of data items and offer expandable storage. Data replication is configured to minimum which full data availability and data recovery needs of archiving information. System storage uses traditional structured database which provide better queries and data processing over structured contents.

Data Processing

It's series of operations that are carried out on data of developers and companies as collection and manipulation to produce meaningful information.

Data transformation is required to allow import and export of different data format.

Multimedia processing is required to enhance the quality of multimedia contents like images, audio and video.

Indexing

This module is responsible on indexing textual contents to allow internal full text search queries. Full text search is used by final users to find certain contents. Also, it is used by other modules like data processing to locate contents in a fixed time regardless of the overall contents size.

Developer Area

This module is responsible on providing developer with all the tools required to make his profile, search about companies in certain field by its name and search about companies with specific requirements.

Company Area

This module is responsible on providing company with all the tools required to make its profile, recruit developers for different jobs in certain field or recruit developers with specific requirements.

Reporting

This module is responsible on providing technical and non-technical reports for any occurring issues like following:

- Technical reports:
 - o Developing quality and performance.
 - o Periodic maintenance.
 - o ...
- Non-technical reports:
 - o Developer behaviors with companies.
 - o ...