



## Licensure and Registration System (LRS)

By: Shareefa S.Haidar Ali, Computer Systems Analyst

Health Information Directorate (HID) as an IT Directorate in the Ministry of Health is supporting all directorates of the Ministry by automating their services using Computer Information and Management Systems.

One of the supported directorates is Licensure and Registration Office, which is providing two major services in the Ministry:

1. Licensing of all Health Professionals (Doctors, Nurses and Allied)
2. Licensing of Health Institutes



Shareefa S.Haidar Ali

These two services are computerized by using two Applications fully developed, implemented and supported by HID.

### Licensure and Registration System (LRS)

LRS application has been implemented in Licensure office since 2000, since then it has been enhanced with more powerful functionalities and these enhancements have been implemented as new version of the system. The latest version (Phase) has been implemented in Feb 2008 where Project Team consists of:

Barrie Radburn(Program Manager)  
Shareefa S.Haider(Project Manager and Developer)  
Sanjeev Sukaree  
Mona Bader  
Manal Ahmed  
Ebrahim Adam  
Mohsen Al-Shammasi

and from LRS Office:

Dr. Tawfeeq Naseeb  
Layla Murad  
Badriya Al-Kuwaiti  
Salman Ghareeb  
Rashid Al-Suwaidi  
Bushra Al-Sammak

The application aimed at improving the efficiency of Licensure and Registration office by automating the following major functions and reducing the paper work.

- Registration of Doctors, Allied and Nurses
- Printing of timely notifications and follow up letters
- Issuing of Licences

It provides access to up-to-date Doctor, Nurses and Allied Health professionals demographic details and ensures generating renewal notices prior to their expiry.

### Health Institute Registration System (HIRS)

HIRS application has been implemented in Licensure office in July 2006, where Project Team consists of:

Heyam Hzeem (Program Manager)  
Barrie Radburn (Project Manager)  
Shareefa S.Haider  
Sanjeev Sukaree  
Manal Ahmed  
Mohsen Al-Shammasi  
Ebrahim Adam

and from LRS Office:

Dr. Tawfeeq Naseeb  
Jaffar Madan  
Bushra Al-Sammak

A fully-integrated facility to register and maintain details of Health Institutions within the Kingdom of Bahrain which automates the following services within Licensure and Registration Office:

- Registration of Health Institutes within Kingdom of Bahrain and Issuing their Licenses.
- Maintain Inspectors Site visits results to any of the Health Institutes
- Produce a list of all Violations to the Health Institute for Follow-up.
- Allow renewing Expired Licenses.

Licensure and Registration office benefited from the above two applications :

- Less paperwork for the staff will result in more efficient functioning
- More accurate information storage and retrieval due to automation
- More easily available statistical information

# Web Development Process-Development Life Cycle

By: Nada Jaffar Al-Ekri, Computer Systems Analyst

Nowadays website development became much easier because of the evolution in technology development. This technology provides tools that are available online and easy to use by anyone, regardless of the person's knowledge in web development.

To develop an optimized and well designed website, the developer should go through a process called Web Development Life Cycle. This Web Development process can be classified into different development life cycle steps. Web development includes mainly five processes:

## Analysis and Documentation

Study and analyze the exact requirements (through emails, questionnaires, interactive sessions, etc). Then document all gathered requirements for better understanding about the system to be developed.

## Design

This step includes designing a small prototype including functionalities that will be available and the layout of the pages. Before moving to the next step the developer should take customer's feedback and do necessary changes.

## Development

Development phase transforms the detailed design and specification into actual website through any System Development Tools. It includes the integration of source code, database structuring and content into a single module (website).

## What is blog

By: Hasan Ahmed Ali, Computer Systems Analyst

A blog (short for weblog) is a personal online journal that is frequently updated and intended for general public consumption. Blogs are defined by their format: a series of entries posted to a single page in reverse-chronological order. Blogs generally represent the personality of the author or reflect the purpose of the Web site that hosts the blog. Topics sometimes include brief philosophical musings, commentary on Internet and other social issues, and links to other sites the author favors, especially those that support a point being made on a post.

The author of a blog is often referred to as a blogger. Many blogs syndicate their content to subscribers using Rich Site Summary (RSS) a popular content distribution tool.

To create your own blog under MoH Intranet portal, please follow the steps:

- Open the intranet
- Click on My Site in the top right corner
- Then select create site from site action.
- Choose a title for your Blog and select Blog from collaboration tab as your template.
- NOW you have created your blog and it's ready to post your
- Then follow the instruction in the page or click help for more instructions

## Testing and Deployment

This step tests the website through various debugging process like load testing, cross-browser compatibility testing, resolution testing and integration testing. The finished website is deployed and ready to use with developed functions.

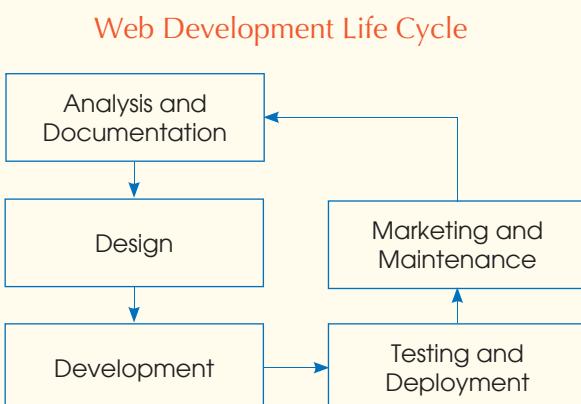
## Marketing and Maintenance

Marketing is a process which involves optimizing pages from various factors and submitting the website to different search engines. Maintenance is an important step of the whole process. It includes frequent updating of the web site to keep it fresh.

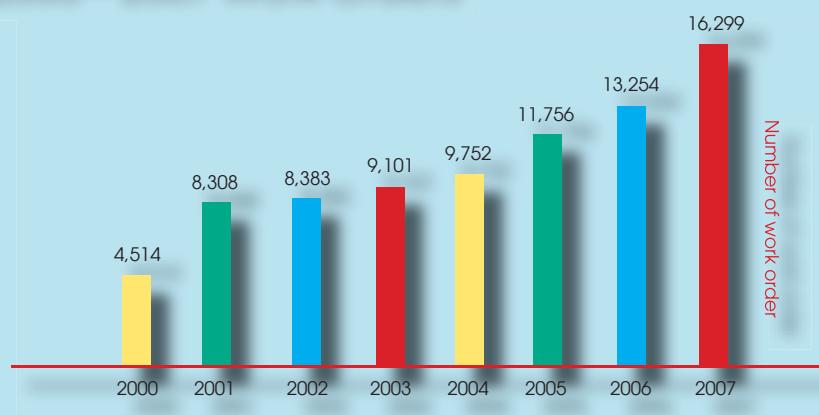
The above mentioned steps are not fixed for web development process. It may vary according to individuals or company's policy and strategy.

## References:

<http://www.theitarticles.com/>      <http://www.devsource.com/>



## Help Desk 2000 – 2007 Work Orders



The above chart shows that the number of work orders "query for support" is increasing every year. It was only 4,514 work orders in 2000, last year it reached 16,299 which is 4 times more.

The continuous increase due to the following:

- Number of PCs in The Ministry is increasing .
- More applications "systems" development are carried out.
- New recruitments in The Ministry mean new users.
- More health facilities such as new health centers...etc
- Number of queries for emails and internet access are growing.

Source: Help Desk Annual Statistics Report 2007

## Brochure Design *Tips and Techniques*

By: Samar A. Salam, Senior Systems Analyst

A brochure is known as the advertising tool that carries eye catching designs and attractive language to attract people to get its proper meaning. Brochures are used to design for the promotion of locations, events, hotels, products and services. Usually, brochures are being distributed in trade shows and through direct mail and can be used for promoting a new product.

Brochure design is considered as a tough task for a designer. Due to its importance, brochure has to be designed really very carefully. The best brochure design is that which elaborates ideas perfectly and advocates people to use products or service in which favor a brochure has been formed. So, if you are planning to make a customized brochure design, make sure it reflects your mind clearly and reaches directly to your customers. You can design your brochure by yourself or hire a professional brochure designer to make a really effective brochure for your purpose.

Once you decide to make a brochure, you need to select a good brochure design sample to look really different from the rest. You may choose something classy and distinguish to attract customers never before. In a brochure, many things need to be kept in mind before designing its structure. First thing which needs to be taken care of is its structure. Structure means what size of brochure should be made, color combination, usually attractive colors are used to clinch peoples interest. Second is the selection of words, which is really important. Words should be easy to understand, infuses a good meaning and represents your ideology. Third is the selection of graphic designing to be used in the brochure. Graphic design brochure should be carefully done and should look professional and infuse its deep meaning.

Normally, business people need corporate brochure design to promote their products and services. It is a unique way of attracting customers and retaining old ones to gain stability and raise profit. Brochures are considered as the campaign and marketing printed stuffs to help you to expand your business aspirations beyond the boundaries. Getting brochures for products and services, a company can invite new customers, maintaining the current ones and earning more and more profit for the business. Brochures are taken as the evidences of the company's genuine offerings and trusted services which it promises. So, till now you haven't designed a good brochure yet, go and design a customized brochure design that says more about your style and above all your mind.



Source: <http://www.theitarticles.com/>

# Social Activity

## Staff Awarding

Under the patronage of Dr.Fawzi Ameen the Asst. Undersecretary of Training and Planning, HID held the Annual Staff Awarding Ceremony at Health Information Directorate.Total of 18 staff been awarded.

There were 2 Employees of the year Mrs. Amal Al Arrayed and Mr.Shafia Al Natie.



### Employees of the Year



Amal Al Arrayed      Shafia Al Natie

## Farewell Party

HID organized farewell party to Ms.Heyam Hazeem Head of Application Management Section on 3rd March 2008. Ms.Heyam joined Health Information Directorate in 1995 and served the Ministry for about 13 years.



## Family day at Al sakheer

