CHAPTER-X

SYSTEM IMPLEMENTATION AND USER MANUAL

10.1 System Configuration

It’s important to configure the system properly while implementing it for deployment in the real time environment to do so we need to first configure the system data warehouse which holds all the database information of the user the system design totally revolves around the data warehouse the data warehouse holds the project and the users information this information is maintained centrally and is kept secured. The encryption algorithms are used to keep the information secured in the system. The second part is the data-mining algorithm this will be used by the various stakeholders logging into the system the K-means algorithm will be used to access the information from the data warehouse. Once the data warehouse and the data mining algorithms are set in synchronization its important now to deploy the user interfaces the user interface will be used to access the data from the central repository the UI design should be intuitive the system design will also provide help to the new users and the configuration file will contain the information about the deployment details and deployment. System Implementation file will contain configuration details and system implementation module.

10.2 Releases

Release of the project is one of the most important steps this process is carried out after the development of the entire project is done. This process includes the operations, which need to be prepared a system of assembly, which needs to be transferred to the client’s side. Once the release date is decided it’s important for all the stakeholders to keep their work completed and up to date and also the release team should be ready with all the packages are kept ready and the information about the deployment should also be kept ready once the team for deployment is on the clients side they should not face any problem what so ever because this is the final stage of the release of the project.
10.3 Installation and Activation of the project Releases

Once the release of the project is done it’s important to install and activate the project to be used by the clients the LOG file should be maintained to keep track of all the installation packages which are executing and also about the activation of the various modules in the project should be carried out by the release team. Executable software component activation is initiated activity. To simplify the system, the execution of the command, including the establishment of some form. For complex systems, it should be prepared to use all the support systems. In large software deployments, software installed on the server can produce a copy of the production environment. Other versions of the deployed software test environment, development environment, and disaster recovery environment can be established.

10.4 Deactivation of the Module not needed by the client

Sometimes the client needs only one module to be kept active the other modules needs to be kept deactivated in that case the release team at the clients end need to keep all the module needs to be scheduled. Sometimes the deactivation of the modules needs to take place at certain time period and after that time period it needs to be activated the system. Depending upon the client’s requirement the company needs to operate the software designed the modules which the client is requesting should be activated and the other modules should be deactivated unless and until the client requests for the modules to be active. The system design should be modularized and should have all the functionalities activated and in working condition once the client requires certain modules to be active the release team should be able to work on the system at the clients end and activate the module which the client is requesting to be active. The system design and development needs such intuitive that the release team should have full control over the software that is designed.

10.5 Adaptability to changes

The system that is deployable should be adaptable to the changes in the various operating environments of the system software or the operating system installed also it should perform all the operations as intended by the client. In case the software is previously installed the older version of the software should have the capabilities to adapt the changes of the new plugins and the software which needs to be installed the modules should be easily pluggable into the existing
software with least modification a configuration changes. In case there is a functional change in the modules then the installation and configuration of the new module or the replacement of the older module with the new one should be easily done.

10.6 Updating or upgrading the existing system

The software, which is designed for the client, should be easily upgradable and also updating should be easily possible the system software if incase required any upgrading should be done at the back end without disturbing the current users logged into the system which is called as the silent installation of up gradation of the system. Most of the system today follow the silent updating and up gradation of software’s on the client side because they do not want to disturb the activities going on at the client side. With the help of up gradation to the system the previous drawbacks of the system can be overcome and the system will be a stable system with all the functionalities. The updating of the system should have a mechanism, which should be built-in into the system itself. Updating process is fully automatic and is controlled by the design and development team sitting at the company side all the updates will be available on the client side with silent installation process which will not affect the process of installation at the client side this process of installation of software will help both the client and the company persons working on the software product for the client.

10.7 Version tracking system

The software product installed on the clients side will have a version number with every major change the version number will be changed and also this implies to small changes in the clients product in case there is a small change in the clients product then there will be a minor change in the version number with a dot preceding the major number of the version. The latest and the stable version of the software will be installed on the client side so that it’s easy to keep track of the updates and the upgrades happening to the software.

10.8 Uninstallation of the system

The software product should have the option to get uninstalled so that incase a total new version is to be installed by deleting the previous version then the systems team can uninstall the previous versions of the software and upgrade it to the latest version of system software the
versioning should be maintained the uninstallation process should be well documented so that the client admin can easily go through the steps and uninstall the software. This versioning data will be maintained in the data warehouse of the software company developing the software product for the client.

10.9 Retire system

The software product, which is not functional, should have functionality of retirement where all the phases and the life cycles of the software product will get retired and all the data will be flashed and no records of the system existence will be traceable. Hence the software product will be marked as absolute with no functionalities of the software working and no system development-taking place ahead. The company should maintain record of all the software, which is retired by the company for the specific clients. The life cycle of such software products will come to an end and the company in the data warehouse will maintain all the information of such products.

10.10 User manual of system

The software product designed for the client will have a user manual which will list all the functionalities of the software the user manual will contain key features and configuration details of the software product this user manual will be designed for the specific version of the software product. The user manual will be online and will be available to the client who is using the product it’s important to keep track of all the activities which have been mentioned in the software product design and development. Keeping the information intact is also important and all the user manuals will be updated online with version details of the software for which it is implementable. The design of the user manual should be intuitive where the users should have the option to ask question or put his query in case if required. The User manual will be designed for each module of the system the modules so that on the client side the users who are working on the various modules can refer to the help documentation in case they need to check how the particular module works. The company persons as the versions of the module will update this document online and the software change the system help will also change depending on the system configuration. The user manual will be designed such that the client will not face any problem to use the module the video user manuals for the system will also be designed and
uploaded on the client side the clients can check the user manual for any discrepancy that will occur while using the software product designed for the intended users of the system. The complexity and variability of software products, integration and deployment process engineering is essential for the creation of a specific role. Install software package on their machine, the desktop systems, end user, but often “software deployed” is. For enterprise software, are involved in many more. Application for production environments Test as it develops from the addition, especially in the role of change. There will be an option to view the help from the system side.