**Build Management**

The term build management refers to develop the software or the application and manage software for the time that is in use. Build manager are responsible for building and managing the software. Mozilla Firefox uses nightly approach which is called as Firefox nightly to build and manage the Mozilla Firefox.

Firefox nightly manages the changes to the software and system by updating the nightly two times in a day. The nightly gets update at night that is after and before the office hour. The update depends upon the time zone of the country. During the update the bugs and the errors are fixed. ,When updates are available, the updates are automatically downloaded in the background. The update is applied when user restarts the Firefox.

In the Firefox nightly there is a common repository called (mozilla-central) where the developer develops codes and merge into this repository every day. The code that is merged into the repository and compiled to test and create new version that is to be released in the future. After the code is fully coded it is merged into beta repository of Mozilla Firefox. In this repository the codes are revised to meet the standard of Firefox. Once the standard is meet the final version of Mozilla Firefox is made available to the users. This process takes place every 4 weeks. In this way the latest version of the Firefox is released and distributed to the users all around the world.

The main advantage of the nightly build system is that the client gets the regular updates of the software with the errors and bugs fixed without getting obstruct to use the software and the update is not done between the office hours. Client do not need to download the updates and wait to use the software until the update is done as the software is downloaded in background automatically while using the software.

Disadvantages of the nightly build system is the client old devices may not support the software if the software gets the update time and again and requirements of the software. It will be problem to those client who cannot adapt or do not want the frequent changes to the software.

**Aussie Business Buzz for Requesting Proposals**

**Objectives**

The fast-growing business, Aussie Business Buzz is looking for the integrated system with customer database, marketing system, stock management system and report management system to support the different branch of business at 4 different locations and the system that can is flexible to change as the company will grow in the future.

Aussie Business Buzz is accepting the response to this proposal of Software Development Company as well as individual software developers.

**Background**

Aussie Business Buzz (ABB) is an expanding business which is selling different technology products and providing repair facility for variety of devices including mobile devices accessories. ABB is selling the products like PCs, laptop, mobile phones, router and providing the repair facility since 2000. In future ABB is planning to expand its business even further and planning to lunch their own mobile device accessories products.

**Requirement Description**

The requirement of the software for the Aussie Business Buzz are software should store the information of the customer whoever purchase the products and repairs the devices from the ABB. The software should store the information about problems of the devices and a kind of repair that is done in the devices so that information can be used in future with the repetitive customer. Also, the software should calculate reward points of the customer when customer buys and repairs products and devices.

A software should allow to promote business into different social media platform like email, Facebook, website etc. Software should have the system to store all records of the products that is sold and parts that has been used in repairing the devices. And should place the order to the wholesalers whenever there is a smaller number of the products and devices parts. System should have the location of the available products and the part at the different store of ABB.

Lastly, the software should have the facility to store all the information that are necessary to prepare the report of ABB store of different location. The reports should show all the information so that the decision about the ordering the stock, hiring staff and other necessary management decision can be made. The software should be flexible to expand according to the necessity of ABB.

Software Goal: The main goal of the software to manage all the stores of ABB form a place. And to provide the place where customer can freely look at the product and facility that Aussie Business is providing.

Budget: The budgeting for the proposed software is $600 AUD. $600 is because of the software requirements.

Time: 4 to 5 months of time is provided to develop, test and to fully implement the software.

**Conditions For Vendors**

The solution provided by the vendors should meet all the requirements which are the system to store all the information of customers, marketing tools and stock management systems. The software should be easy to implement and accessible by the staffs of the ABB. The main requirements are that the website of ABB for the customer should attract the customer and should be enjoyable to use. Websites should show the necessary details of the products and should have space for advertisement of the product. There should be the page where the candidates can apply for the jobs for our different departments of ABB. Vendors are required to provide the necessary details with the response and the experience that the vendors have been serving. The vendors should have at least 2 years of experience in software development field. Vendors are encouraged to provide the new idea that suit for the ABB along with the project requirement of ABB. Vendors that can provide a good idea will be prioritized and will increase the funding if the idea is best match for Aussie Business Buzz.

**Contacts**

Interested Vendors should send their proposal to the following contact:

Name: ABC XYZ

Number: 0450000000

Email: [xyz@business.com.au](mailto:xyz@business.com.au)

**Analysis of Proposal**

Company is accepting the proposal from the interested vendors form 7th of May 2022 to the date 7th of June 2022. The proposal should be short not more than 3 pages mostly 2 pages are preferred. The document should be strictly in PDF format.

ABB will send the opinion for the proposal after the 6 weeks of the deadline. The opinion will be sent to through the mail from the ABB official email address to vendors official email address. If there is necessary for any request for the feedback, vendors are encouraged to send the request mail to ABB request mail i.e., [abb.request@business.com.au](mailto:abb.request@business.com.au).

The zoom link with timetable to attain the zoom meeting will be sent through the vendors official mailing address of the selected proposal for the further process. Mail will be sent to the selected vendor and further document will be sent through the mailing address to begin to build the project.

**Reference**

DevOps on Windows. (2013). *What Makes a Build System?* [online] Available at: https://devopsonwindows.com/what-makes-a-build-system/ [Accessed 27 Mar. 2022].

SearchSoftwareQuality. (n.d.). *The pros and cons of CI/CD pipelines*. [online] Available at: https://www.techtarget.com/searchsoftwarequality/tip/The-pros-and-cons-of-CI-CD-pipelines [Accessed 27 Mar. 2022].

support.mozilla.org. (n.d.). *Detailed difference between Firefox, Beta, Dev and Nightly | Firefox Support Forum | Mozilla Support*. [online] Available at: https://support.mozilla.org/en-US/questions/1336530 [Accessed 27 Mar. 2022].

‌