**ISYS3001 – Assignment 1 exercise**

Remember that this is a public repository - your changes could be seen by anyone who looks!

Add some comments about Version management outside this border, or just add some text so there is a change to this file.

Remember that your GitHub user ID must be submitted in your assignment report!

Once you’ve changed follow the next step in your assignment task.

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Submission Date:

## Version Management

Version Management deals with managing files of any type or size, including archiving them, logging changes, restoring older file versions and coordinating access. It is about managing many components such as code files, configuration files, data files, documentation, media items or any digital items that is required to build a system.

## Build Management

1. **Brief description of nightly build system of Mozilla Firefox**

According to Wiki (2023), Nightly Build is a repository where Mozilla developers write code and commit to it on a daily basis where it is compiled to create a pre-release version of Firefox which is used for testing purposes. It is then merged into the Beta stabilisation repository, upon final tests to check if it is quality it is then shipped to hundreds of millions of people. This is a perfect way for users to manage the changes on software where quality checks are done accordingly before version is released to the public.

1. **Release of Firefox to public**

Mozilla Firefox developers follow a specific way to arrive at a release of Firefox. As per Wiki (2022), the standard release interval for Firefox is four weeks, which means that every four weeks there is a new version of Firefox release where they follow a schedule driven process, to allow the releases to take place at regular intervals. This releases progress on regardless whether a feature is ready or not, the main goal of this is to provide regular improvements to users without disrupting their work.

There are 4 channels that the developers commit their codes too, they are Mozilla Central (nightly), Mozilla Aurora, Mozilla Beta and Firefox (release). The Mozilla Nightly gets new features added as soon as they are ready but are low in stability meaning that there is a possibility for them to fail in the event when they are executed. The Mozilla Aurora gets new features at regular intervals but some might be disabled as more work needs to be done on them. The Mozilla Beta channel only receives new features that are of quality sound which is then forwarded to the Mozilla Firefox Release (Limi et al.).

1. **Advantage vs Disadvantage of Firefox**

Advantages

* Speed – Reported to be the fastest browser when downloading files with the downloads in the form of tables for ease of movement (EasyTechJunkie, 2023)
* Security – Advanced security measures that protects computers from viruses, malwares and hackers (EasyTechJunkie, 2023)
* Tabbed Browsing with advanced features – Allows users to open multiple tabs on a single window which helps in organising browsing. Also has embedded memory which allows tabs to be restored if the computer unexpectedly shuts down or closes (EasyTechJunkie, 2023)

Disadvantages

* Compatibility Issues – Some websites may not be able to render properly, thus needing the help of Internet Explorer (IE) (EasyTechJunkie, 2023)
* Memory – Consumes a lot of memory which lead to the browser crashing, also tends to freeze and close when too many tabs are opened (EasyTechJunkie, 2023)
* Interrupted Service – Downloads can’t be resumed when they unexpectedly crash. The browser was built and designed for users who have access to DSL with fast access to internet instead of dial up connection (EasyTechJunkie, 2023)

## Request for Proposal (RFP)

The company sending the Request for Proposal (RFP) is called Aussie Business Buzz (ABB) they sell a variety of technology products such as computers, laptops, phones, routers and various other technology devices. They also provide device repairs and mobile accessories.

**Introduction**

The business of Aussie Business Buzz is looking to incorporate an integrated system in their 4 locations (list the locations). Budgets for this proposed project will need to be drafted as well as a timeframe of when the project will start and finish and various other requirements needed.

**History**

* The Company is called Aussie Business Buzz (ABB)
* They sell various technology devices (computers, laptops, mobile phones, routers and other electronic devices)
* They also repair various technology devices (mobile phones, computers and other electronic devices

**Requirements**

The services that’s required by ABB are:

1. Customer Relations Database
2. Marketing System
3. Stock Management System
4. Report for Management