

ASSIGNMENT COVER SHEET

For use with online submission of assignments

Please complete all of the following details and then make this sheet the **first page of each file of your assignment – do not send it as a separate document.**

Your assignments must be submitted as either **Word documents, text documents with .rtf extension or as .pdf documents**. If you wish to submit in any other file format please discuss this with your lecturer well before the assignment submission date.

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Unit Code: **ISYS3001**
Session Details: **[can be omitted]**
Study Mode: **SCU-GXUST Program**
Tutor's name: **LongWang**
Assignment No.: **Assignment 1**
Assignment Title: **Assignment 1**
Due date: **2022.9.19**
Date submitted: **2022.9.19**

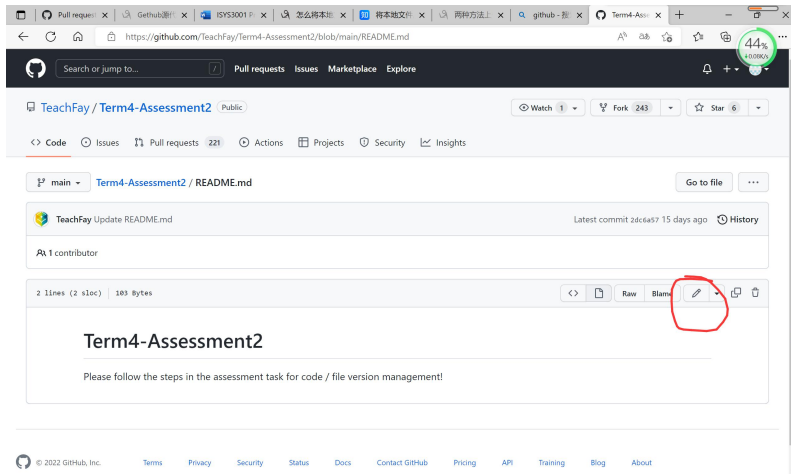
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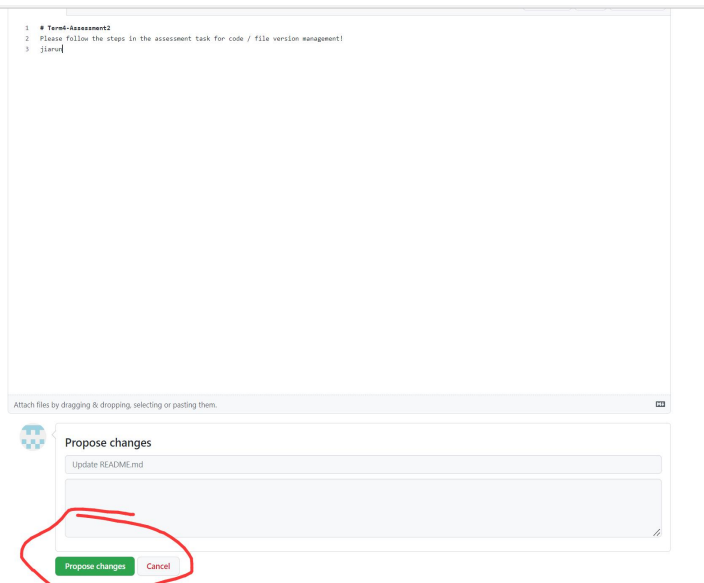
Signed: **JiarunZhao**
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Date: **2022.9.19**

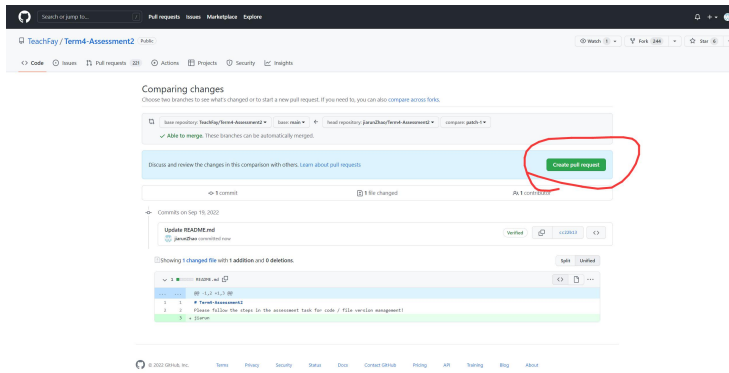
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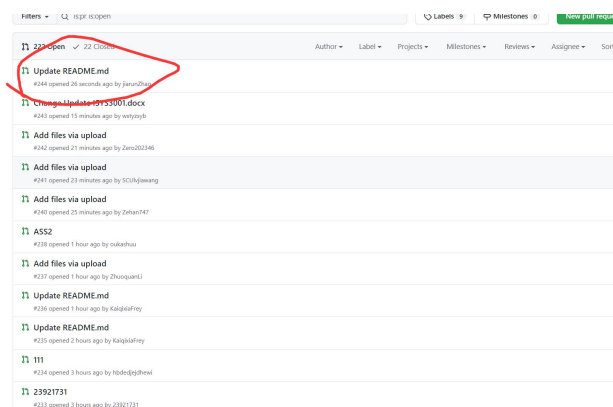
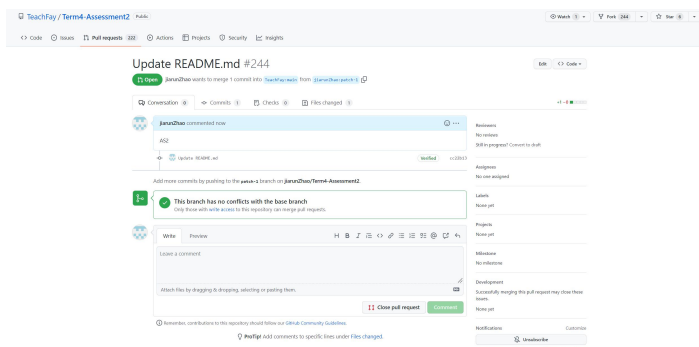
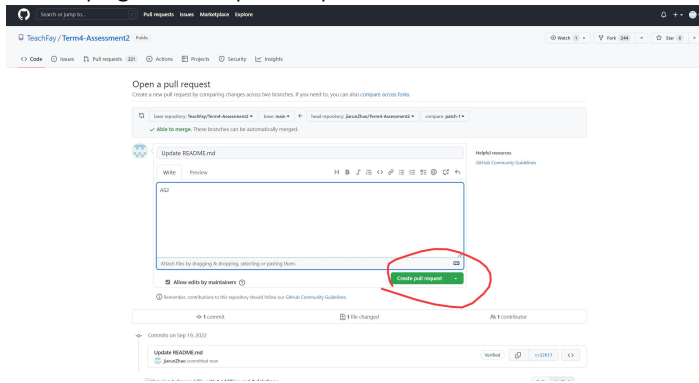
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Name: jiarunZhao

Build Management

Firefox Nightly

Mozilla Firefox's nightly build system is to take all the latest code of a software project from the configuration library, and then compile, link and run it from scratch. What's more, you can run the test package again to test the main functions of the software, find and report the entire process of errors. The most common is the pre process. Mozilla Firefox is generally carried out at midnight after work every day, provided that employees check in the latest code to the configuration library. Therefore, daily build can be jokingly called nightly build. Then the next day, the team will analyze the log of the build, find out the error and mail it to the responsible person of the module to urge the solution (this step can also be completed automatically). Another important function of Mozilla Firefox's nightly building system is to verify whether the relationship between modules in the software is correct.

Here's what daily builds do for Firefox:

1. It can help programmers find bugs better,
2. Every time a bug is fixed, Firefox's daily build can immediately provide a new system for testers to test.
3. The daily build of Firefox is highly automated and easy to give instructions.
4. Firefox's daily build allows everyone to access the latest and greatest system executables

Here are some disadvantages of Firefox's daily build:

1. The accuracy may be insufficient It is easy to make mistakes because it is reviewed by the computer.
2. Additional investment in testing human resources and hardware environment construction

Pros: Firefox is well optimized and opens quickly, but as Firefox gets more and more bloated with updates, there are a lot of compatibility issues. Firefox's version is quite interchangeable (replaced by Google's Chrome). There are different versions of Firefox for different types of terminals, but overall it's not very stable. Compared to Internet Explorer, Chrome, and other major browsers, Firefox's browser has moved into the second tier(计算机应用文摘, 2004)

This browser is a free and open source web browser. Advantages: It is applicable to Windows, Android, Linux and macOS. It has good speed and keeps your browsing history

private. Its security is very high, and the browser can be extended and many other tools, with intelligent functions, including intelligent bookmarking, private browsing and intelligent inspection. Disadvantages: 1. Higher cost; 2. Rely heavily on technology;

RFPContent:

Background information:

Aussie Business Buzz (ABB) is a company that sells various technical products and provides equipment maintenance and mobile equipment accessories. Through the Request for Proposals (RFP), we hope to attract a company that can provide integrated systems, and use their integrated systems to manage our four branches, and expect that the system can be extended to other levels over time.

Description of the project

Statement: Reasons for purchasing from third party companies/teams:

1.The integrated system first has a customer relationship database, which contains purchased product information, service information and equipment to be repaired. This allows ABB managers to facilitate their own effective retrieval and access. It is easier to classify and save data, and provides fast query. It facilitates the management of data information. The database needs data structure, high data sharing, low redundancy and easy expansion; High data independence.

2. This integrated system also includes a current marketing system that can carry out digital marketing. The purpose is to use the detailed information in the customer relationship database and promote products and services through digital communication channels, so as to communicate with consumers in a timely, relevant, customized and cost saving manner.

3.The integrated system shall also include an inventory management system for decision-making and management, which is used to manage consigned products, repair parts and realize automatic ordering of wholesalers. The inventory management system can log in and manage multiple platforms, including Windows and Android. The inventory management system has the ability to verify the management personnel. The inventory management system can be interconnected to meet the communication needs between different ABB companies. 1. Strong inventory information storage, calculation and query capabilities can be used in a single location. Real time sharing of inventory information can make inventory control more scientific

4. The integrated system has strong stability, strong compatibility and few bugs.

qualifications

1. The company/team must have work experience or provide work certificate that has completed projects in similar companies.

2. Be familiar with the integrated system development company/team; Technical certificates can also be provided

3. The company/team has more than 10 years; And more than 100 people
4. The company/team must complete the task before the strict deadline and cannot exceed the budget.

Evaluation criteria

Product function (30%)

The database has the characteristics of rapid query, high data sharing, data structure, etc., which can correctly reflect the relationship between purchased products and service information. (30%)

The digital marketing system can promote products and services well and communicate with consumers in a timely manner (30%)

The inventory management system has powerful storage, calculation and query capabilities of inventory information, which can be used in a single location to manage consigned products, repair parts and realize automatic ordering of wholesalers.(20%)

The integrated system has strong stability, strong compatibility and few bugs. (10%)

Cost estimate (20%)

Initial cost (30%), continuous cost (20%), ROI (20%), risk (30%)

Service capability (20%)

technical level (40%), reputation (20%), availability (30%), Innovation (10%)

Supplier's vision and viability (30%)

Supplier viability (50%)

finance (20%), market (20%), organizational capability (40%)

Supplier vision (50%)

product vision (40%), service vision (30%), company image (30%)

BIDDER'S PROPOSAL

Required Materials

Suppliers need to resume or corporate profile clearly reflecting qualifications and experiences.

Samples of communication and media materials.

Suppliers need to provide samples of past work so that we can better screen and confirm suppliers' capabilities

The supplier needs to provide a complete technical certificate so that we can confirm that the supplier has the ability to complete this integrated system

If you have completed projects of similar companies, please submit them to us, which will give us priority.

Priority cost and continuous cost are our important evaluation indicators. Please ensure that the budget of the integrated system is within the scope of our priority cost.

The supplier is requested to provide their own wishes and forms to prove their viability so that we can reduce risks.

Format. The Proposal shall satisfy the following formatting requirements:

Tenders should not exceed 5 pages and do not include annexes

Tenders should be organized in the order in which the requirements are made in

this RFP and should clearly state the chapters covered by this RFP.

The proposal should include all necessary information described in this article. Failure to submit all the required information may result in a request for immediate submission of missing information, a reduction in the evaluation of a proposal, or rejection of a proposal.

Deadlines and milestones

Date	Monday, April 16, 2021
R.S.V.P. for Mandatory Pre-Submittal Conference Call	Monday, April 21, 2021, 9:00 a.m., central Time
Mandatory Pre-Submittal Conference Call	Monday, April 21, 2021, 11:00 a.m., central Time
Final Question Accepted	Monday, April 22, 2021, 11:00 a.m., central Time
Proposal Due Date	Monday, March 29, 2021, 11:00 a.m., central Time