|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Hope Foundation’s**  **Finolex Academy of Management and Technology, Ratnagiri** | | | | | |
| **Department of Information Technology** | | | | | |
| Subject name: Software Design Lab | | | | | | Subject Code: ITL601 | |
| Class | | TE IT | | | Semester –VI (CBCGS) | Academic year: 2018-19 | |
| Name of Student | | **Kazi Jawwad A Rahim** | | | | **QUIZ Score :** | |
| Roll No | | **27** | | Assignment/Experiment No. | | 11 | |
| Title: **Study of any SCRUM tool.** | | | | | | | |
|  | | | | | | | |
| **1. Lab objectives applicable: LOB6**. | | | | | | | |
| **2. Lab outcomes applicable: LO6** | | | | | | | |
| **3. Learning Objectives:**   1. To understand the software development process using tool. 2. To understand project management activities. | | | | | | | |
| **4. Practical applications of the assignment/experiment:** | | | | | | | |
| **5. Prerequisites**:   1. SDLC 2. Agile methodology 3. SCRUM | | | | | | | |
| **6. Hardware Requirements**:  Windows operating system (Windows 7 or higher)  **7. Software Requirements:**  Open source SCRUM tool. | | | | | | | |
|  | | | | | | | |
| **8. Quiz Questions (if any): (Online Exam will be taken separately batch-wise, attach the certificate/ Marks obtained)**  1. What is SPRINT? | | | | | | | |
|  | | | | | | | |
| **9. Experiment/Assignment Evaluation:** | | | | | | | |
| **Sr. No.** | **Parameters** | | | | | **Marks obtained** | **Out of** |
| **1** | Technical Understanding (Assessment may be done based on Q & A **or** any other relevant method.) Teacher should mention the other method used - | | | | |  | 6 |
| **2** | Neatness/presentation | | | | |  | 2 |
| **3** | Punctuality | | | | |  | 2 |
| **Date of performance (DOP)** | | |  | | **Total marks obtained** |  | **10** |

**Signature of the faculty**

**OrangeSCRUM:**

Pre-requisite:

Hardware:

* RAM: minimum 2 GB
* Processor: Core2duo or Higher
* OS: Windows
* Disk Space: 10 GB or Higher

Software:

* Apache 2.2 or 2.4
* MySql: 5.6
* PHP >= 5.4 and PHP <= 5.6 (best choice is 5.6)
* cURL (enabled)

**Step 1**

First Download the Source Code from the "www.orangescrum.org/free-download". Extract the archive file.

**Step 2**

Download XAMPP from (https://www.apachefriends.org/download.html)

**Step 3**

Then, Install XAMPP on the Windows Machine. Refer the steps provided below to setup XAMPP.

1. Right click on the XAMPP installer package and "Run as Administrator" to open the installer screen. Click ok.
2. Click on Next to Proceed.
3. Then, click Next to proceed installation using the default settings. You can edit the settings as per your requirement.
4. Create a folder Named "XAMPP" under any directory and browse it to select it as the installation folder.
5. Click Next to Proceed.
6. Click next to Proceed to next step.
7. Now you will be able to see the progress.
8. Click on Finish to start XAMPP.
9. Start Apache and Mysql services from the XAMPP control panel.
10. Browse http://localhost/ and select your language to open the page as shown below.

**Step 4**

Click on "PhpMyadmin" to open PhpMyadmin link. You have installed XAMPP successfully on the system. Now you have to create a Databaseusing Phpmyadmin for the application. Refer the steps below to create a Database, user and assign all privileges to the user for the database.

1. After navigating to PhpMyadmin page, click on the "Users" Tab.
2. Next, Click on the "Add user" option
3. Create an user, assign a password to it and create a database with the same name as user.
4. Click on Databases Tab to Navigate to the List of Databases page.
5. Click on the database name which you have create earlier.
6. After choosing the Database, click on the privileges tab to open the privileges settings.
7. Now grant all privileges (Administration) to the user for the database.
8. After Granting all privileges to the user, now import the database to the Mysql server.
9. Click on "Choose file" option to browse for the Database file from the source code(orangescrum-master) which you have downloaded earlier and click on "Go".
10. Now, you can see the Table Structure under the Database.

Now, you have to configure the Application with the Apache webserver. Refer the below steps.

**Step 5**

Navigate to the XAMPP folder where you have installed the XAMPP software or you may call the installation folder.

1. Paste the source code folder (orangescrum-master) of Orangescrum folder which you have downloaded earlier and paste it inside the "htdocs" folder.
2. Now, navigate to the orangescrum-master\app\Config directory.
3. Open the database.php file in an editor and change the fields 'host' => 'localhost' 'login' => 'root' 'password' => '' 'database' => '' To 'host' => 'localhost' ←----------------------- The host name should remain Localhost. 'login' => 'orangescrum' ←----------------- Database username which you have created earlier 'password' => '\*\*\*\*\*' ←--------------------Enter the password which you have assigned to the user earlier 'database' => 'orangescrum'←-----------------------Enter the Database name which you created earlier.
4. Now browse the application by the URl: "http://yourIPaddress/orangescrum-master/"

**Step 6**

General Configuration management:

***MySQL:***

* If STRICT mode is On, turn it Off.
* Create a new MySQL database named " orangescrum " ('utf8\_unicode\_ci' collation).

***PHP:***

* Enable curl in php.ini
* Change the ' post\_max\_size ' and ` upload\_max\_filesize ` to 200Mb in php.ini
* Make sure that, the .htaccess is working in your server.