Volume

1

Project Manager Chatting repository

Lewis University Software Capstone & Project

***Group Members:***

* ***Ahsan Rasheed***
* ***Fanny Baxi***

***ROLES/RESPONSIBILITIES***

* **Fanny Baxi:**

User Login, Database side of things. Create SQLite sheets, create functions to interact with databases and the controller. For users to tag any document or text that they submitted or about to submit.

* **Ahsan Rasheed:**

1. Once the user login is login to the application, the user can see the project available, that the users is enrolled in. For example. User is enrolled in Project called Lewis University Cams.
2. Once the user is login if the user is not enrolled in any project, user can create a project. However, user can only create project if user has the email with @lewisu.edu domain.
3. Once the user created project, user can open that project and from there user can find list of available sub-projects in it. For example. Users select Project and, in that project, there are list of available channels such as Job Opportunities, General etc.
4. Once the user opens the channel, then user can find all the previous messages and the group members available in that sub project. However, if the user wants to search any messages, user can query the messages based on date when the message is sent on that day.
5. User can also add the members in that channel. Restriction applies with lewisu.edu domain.
6. User can select any tag and sent a message with that associated tag, which stores in the database.
7. User can find the download button, and the user can download the entire history from beginning to end.

***Project Description:***

Our team worked on a website which created a chat-based repository for management system. A Project Manager is responsible for planning, overseeing and leading projects from ideation through to completion. This is a role at an organization and requires interaction with a range of internal and external stakeholders, most often managing several moving project parts simultaneously. Purpose of creating this website is to user to be able to log in to website and able to attach documents, users to edit any text that was previously submitted. For users to tag any document or text that they submitted or about to submit.

***Testing Plans:***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | | Project Manager-1 | | | **Test Case ID** | | | Project-1B | | |
| **Test Case Description** | | Complete Project Manager – Positive test case | | | **Test Priority** | | | High | | |
| **Pre-Requisite** | | NA | | | **Post-Requisite** | | | NA | | |
| Test Execution Steps: | | | | | | | | | | | |
| **S. No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Browser** | | **Test Result** | **Test Comments** | |
| 1 | Launch application | | https://localhost:44309/Acc/Login | Project Manager Login | | Project Manager Login | IE -11 | | Pass | [Ahsan-Fanny]: Launch successful | |
| 2 | Enter invalid Email & any Password and hit login button | | Email id: ahsanrasheed68@lewisu.edu  Password: \*\*\*\*\*\* | The email address or phone number that you've entered doesn't match any account. https://localhost:44309/Acc/CreateAccount | | The email address or phone number that you've entered doesn't match any account. https://localhost:44309/Acc/CreateAccount | IE -12 | | Pass | [Ahsan]: Invalid login attempt stopped | |
| 3 | Enter valid Email & incorrect Password and hit login button | | Email id: ahsanrasheed68@lewisu.edu  Password: \*\*\*\*\*\* | The password that you've entered is incorrect. Forgot your password?  [**Get help signing in**](https://localhost:44309/forgot) | | The password that you've entered is incorrect. Forgot your password?  [**Get help signing in**](https://localhost:44309/forgot) | IE -13 | | Pass | [Ahsan-Fanny]: Invalid login attempt stopped | |
| 4 | Enter valid Email & Password and hit login button | | Email id: ahsanrasheed@lewisu.edu  Password: Injila123 | It will redirect to the page where all the projects in which user is enrolled is displayed.  If not enrolled display to enrolled in a project by hitting create workspace button. | | It will redirect to the page where all the projects in which user is enrolled is displayed.  If not enrolled display to enrolled in a project by hitting create workspace button. | IE -14 | | Pass | [Ahsan-Fanny]:  Redirect to project page after successful login. | |
| 5 | After clicking or enrolling the project. Open the editor | | After selecting the specific project application open the editor with sub project in that project and when user selects the sub project it displays all the information for that subproject. | Once the editor it opens it allows user to add the members and use the tagging functionality, to send the messages or attachments to save the information in database | | Once the editor it opens it allows user to add the members and use the tagging functionality, to send the messages or attachments to save the information in database | IE -15 | | Fail | [Ahsan-Fanny]:  Having issues with the JavaScript/json serialization and the parsing of the data. | |

***List of Features***

|  |  |  |  |
| --- | --- | --- | --- |
| ***Feature*** | ***Description*** | ***Framework*** | ***Mark Feature*** |
| Login | To make sure that user is authorized person. If not, application will not allow the user to enter the chatting repository. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| List of Projects | Once the user is verified as an authorized user, application then redirects the user to the list of the projects that user is enrolled in. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| After Selecting the Projects, it displays all the sub projects. | Once, the user selects the project, in which user is enrolled in, it then opens the new window in the browser which shows user the list of subprojects on the side bar. Once, the user selects any of the sub project, it displays all the messages, with date and time on the editor. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Create Account | If the user is not an authorized user, user can create an account with the chatting repository to authorize itself to join the chatting application. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Create Project | If a user is new user, user can create an account. Once, user create an account, user can enroll in the projects by hitting the create workspace button which will enroll user in that project. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Add Subproject | Once the user is enrolled in a project, user can add as many as user want to add the subproject into that project. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Sent messages/ attachments | After selecting the subproject or adding the sub project user can sent the message to that sub project. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Add/remove Members into the sub projects | User can also be able to add/remove a group member within that sub project. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Add/edit/delete tag | User can also be able to add/edit/delete any tag within that subproject for the tagging functionality. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Use tag to send messages/ attachments | Once, user select the subproject, user have the option to use any tagging functionality such as @, # to use those to send attachments, messages with that tag. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Download the history by date | User is able to download all the history by providing date as an input. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |
| Download the messages history for that subproject from the beginning. | User has the option to download all the history without any input, by just clicking on the download all button. | We use ASP.NET MVC framework to create chatting repository for the Project manager. We choose ASP.NET because it is fast scalable, light weight, and easy to use. | All the feature with the project manager chatting repository is new/ added feature and they are all built from the scratch, no inherited code. |

***SOFTWARE ENVIRONMENT SPECIFICATIONS***

* OS: Window 10
* Database: SQL 2019
* Editor: Visual studio Code (C#)
* Language: C#
* Framework: ASP.Net MVC

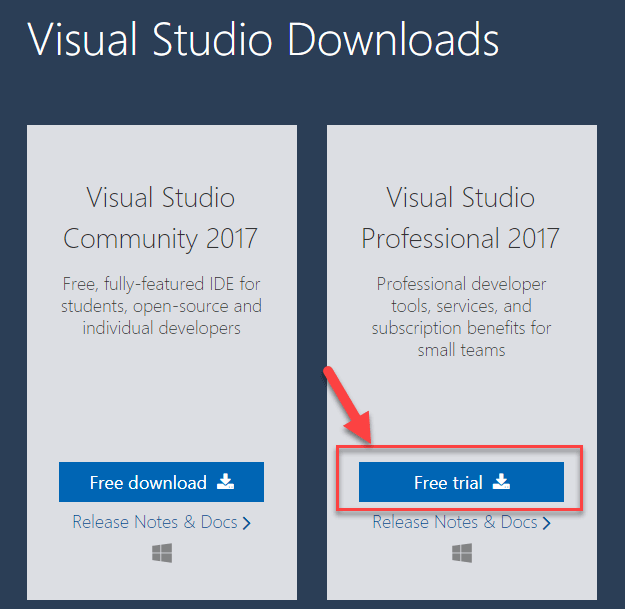
***FRAMEWORK SPECIFICATIONS***

For this project, we have decided to use the ASP.Net MVC framework for C#. MVC The Model-View-Controller (MVC)is an architectural pattern that separates an application into three main logical components: the model, the view, and the controller. Each of these components are built to handle specific development aspects of an application. MVC is one of the most frequently used industry-standard web development frameworks to create scalable and extensible projects. ASP.NET supports three major development models: Web Pages, Web Forms and MVC (Model View Controller). ASP.NET MVC framework is a lightweight, highly testable presentation framework that is integrated with the existing ASP.NET features, such as master pages, authentication, etc.

***SETUP INSTALLATION PROCEDURES***

**How to Download and Install Visual Studio**  
Let's look at the download process of Visual Studio IDE so that we can work with  
creating programs in the subsequent tutorials.

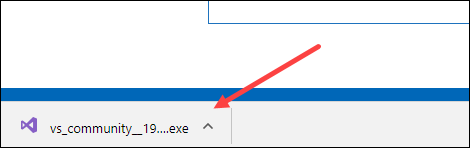
**Step 1)** Visual Studio can be downloaded from the following link <https://visualstudio.microsoft.com/downloads/>

[](https://www.guru99.com/images/c-sharp-net/image001.png)

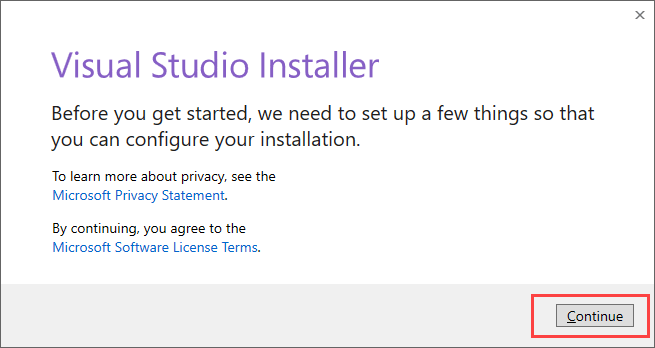
You can select.

* Visual Studio 2017 Community Edition
* Visual Studio 2017 Professional Edition (30 Day Free Trial)

**Step 2)** Click on the downloaded exe file.

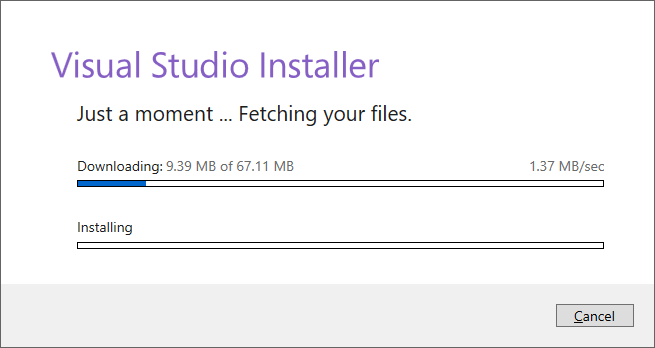
[](https://www.guru99.com/images/c-sharp-net/image002.png)

**Step 3)** In the next screen, click continue.

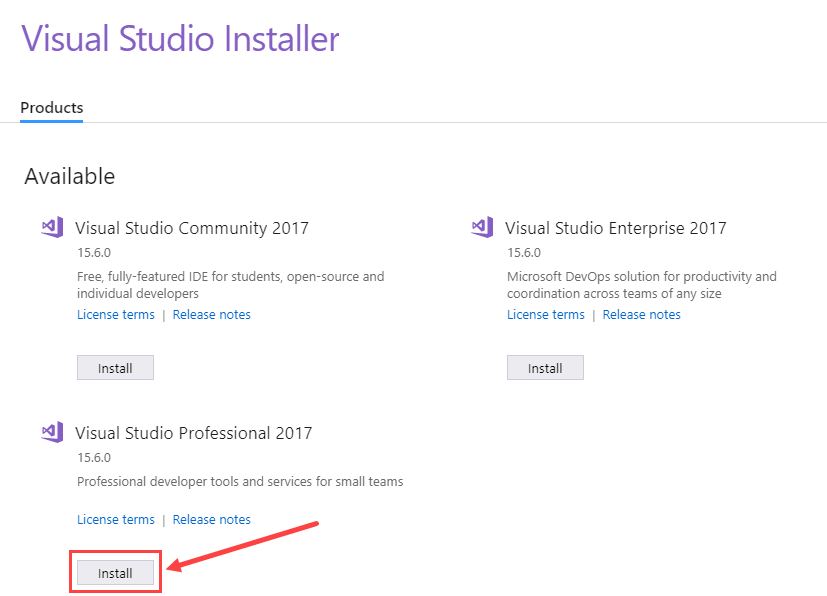
[](https://www.guru99.com/images/c-sharp-net/image003.png)

Skip Ad

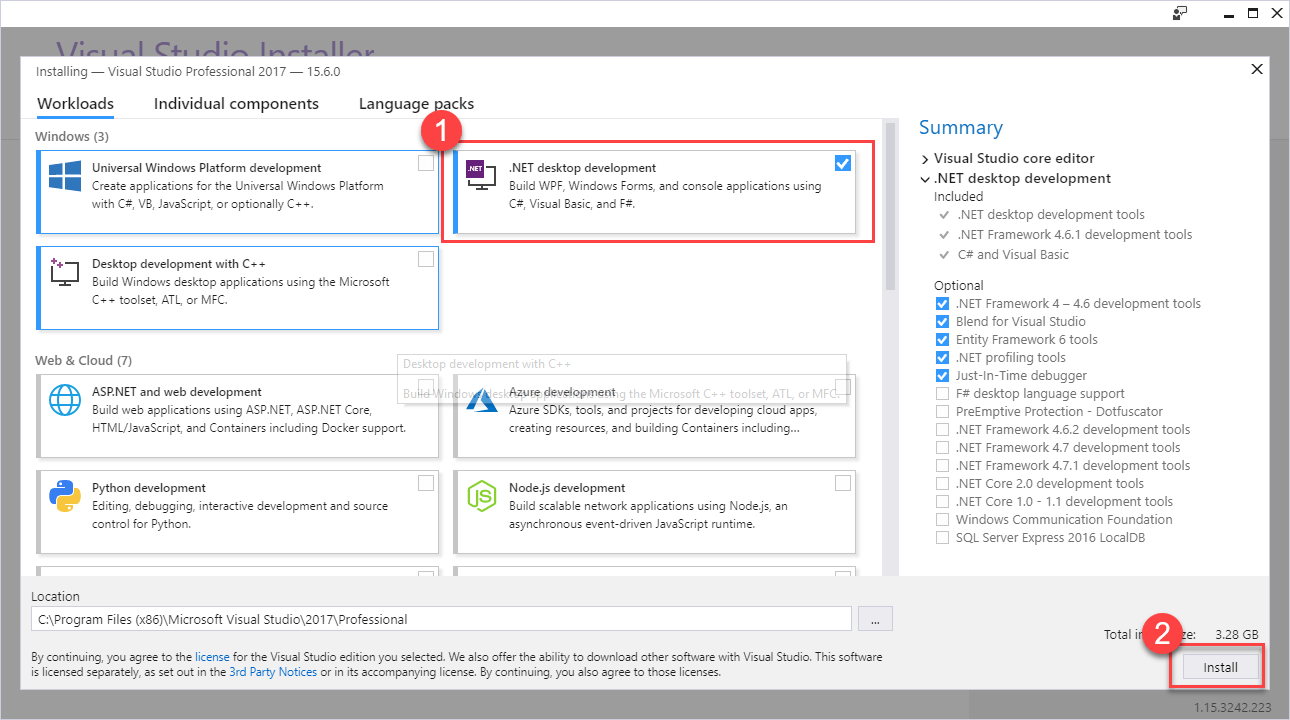
**Step 4)** Visual Studio will start downloading the initial files. Download speed will vary as per your internet connection.

[](https://www.guru99.com/images/c-sharp-net/image004.png)

**Step 5)** In next screen, click install.

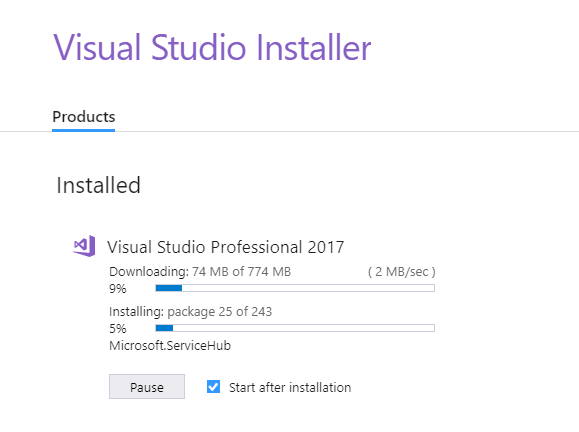
[](https://www.guru99.com/images/c-sharp-net/image005.png)

**Step 6)** In next screen,

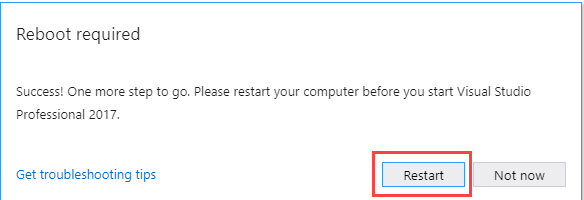
[](https://www.guru99.com/images/c-sharp-net/image006.png)

1. Select ".Net Web development”.
2. Click install.

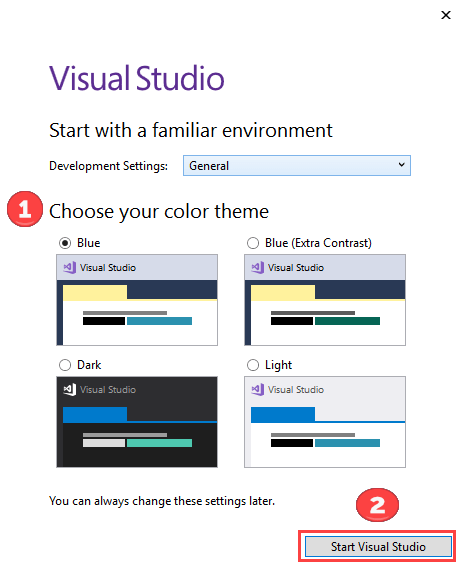
**Step 7)** Visual Studio will download the relevant files based on the selection in step.

[](https://www.guru99.com/images/c-sharp-net/image007.png)

**Step 8)** Once the download is done, you will be asked to reboot the PC

[](https://www.guru99.com/images/c-sharp-net/image008.png)

**Step 9)** Post reboot, open the Visual Studio IDE

[](https://www.guru99.com/images/c-sharp-net/image009.png)

## *How to download SQL Server Setup*

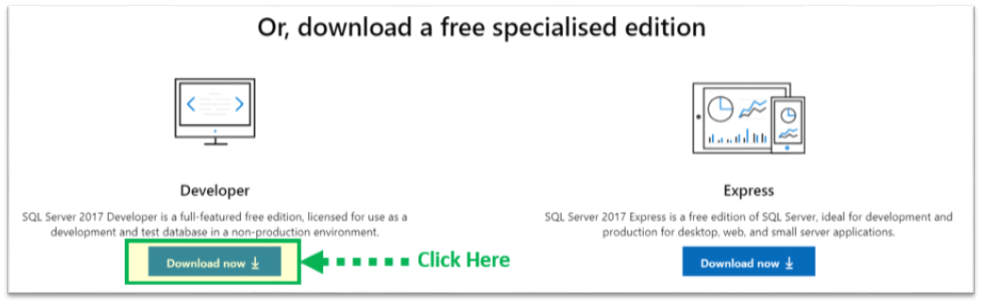
**Step 1)**Go to URL**:** <https://www.microsoft.com/en-in/sql-server/sql-server-downloads>

Microsoft provides **two specialized free editions** to work on MS SQL server:

1. **Developer** – It has all feature which MS SQL server offers but we cannot use it in production. From the learning perspective, is it an ideal candidate to start.
2. **Express**: This is also a free version but with the limited set of features with no business intelligence applications.

We will select the **Developer edition**for installation.

**Step 2)**Click on **"Download now"**

[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo1.png)

We will get set up as **'SQLServer2017-SSEI-Dev.exe'.**

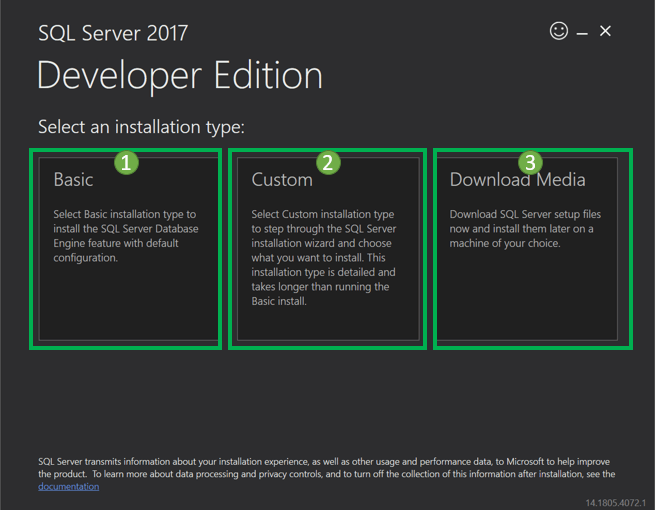
[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo2.png)

## *How to Install SQL Server*

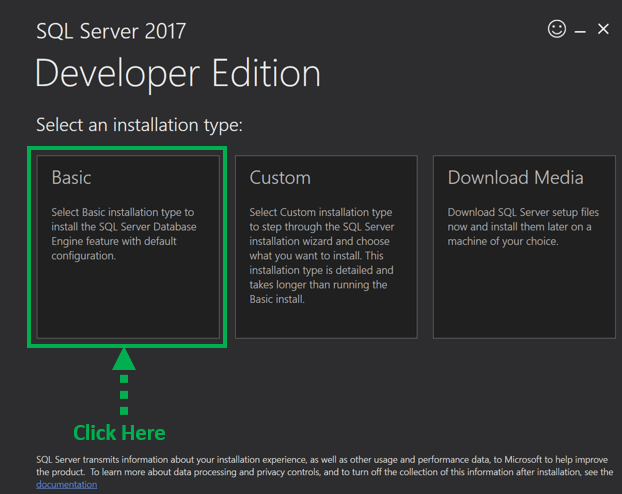
**Step 1)** Double click on **"SQLServer2017-SSEI-Dev.exe".**Below screen will appear with three options: Basic, Custom and Download files.

1.9M

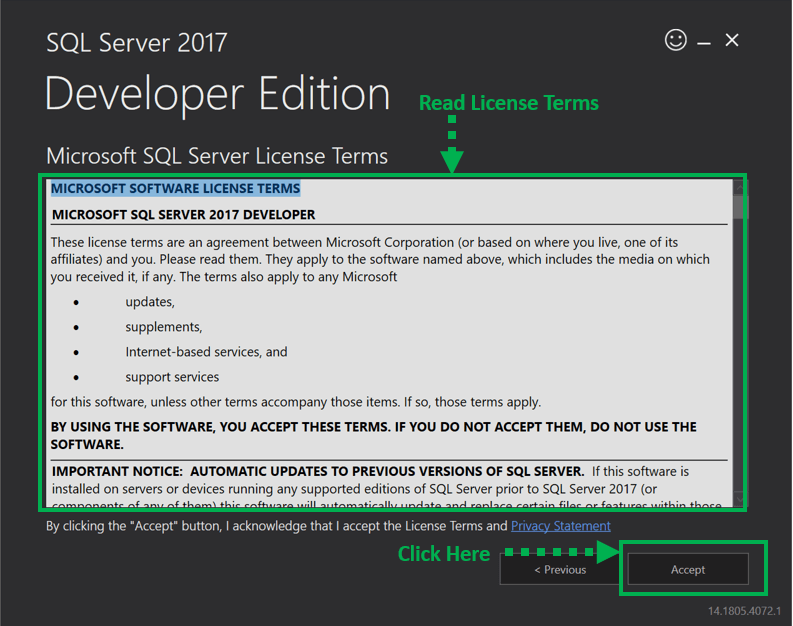
How to use Filters in Photoshop CC

[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo3.png)

**Step 2)** Choose the basic version by clicking on the **'Basic' option**, as it has all default configuration required to learn MS SQL.

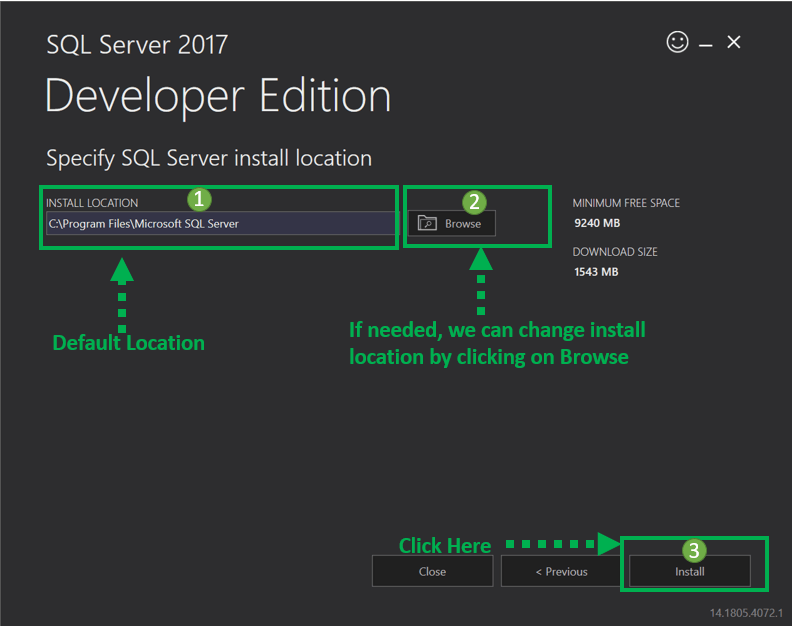
[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo4.png)

**Step 3) 'Microsoft Server License Terms'**screen will appear. Read the License Terms and then click **'Accept.'**

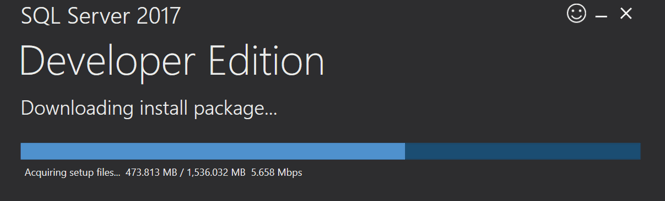
[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo5.png)

**Step 4)**Below **'SQL server install location'** window will appear.

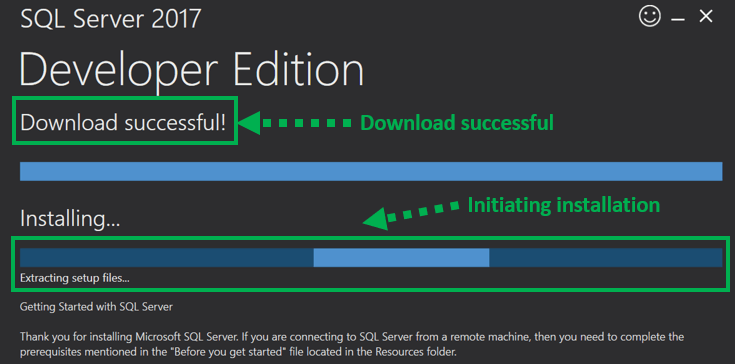
1. The Default location is **C:\Program Files\Microsoft SQL Server.**
2. Optionally, we canalso change the installation location by clicking on **Browse.**3. Once the location is selected, click **the 'Install'** button**.**

[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo6.png)

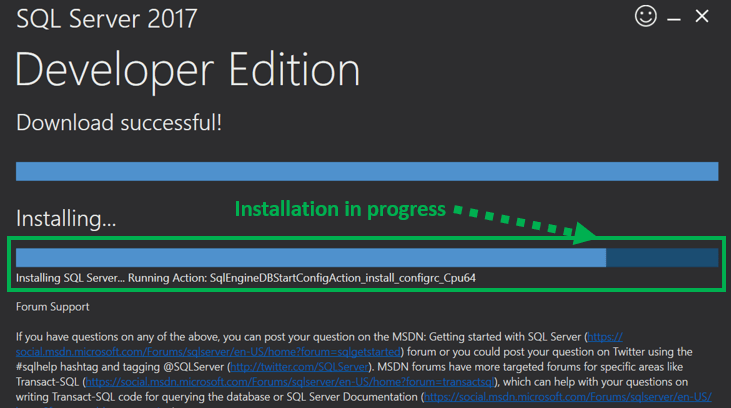
Below **'Downloading install package'** progress screen will be displayed. Wait until the download is complete.

[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo7.png)

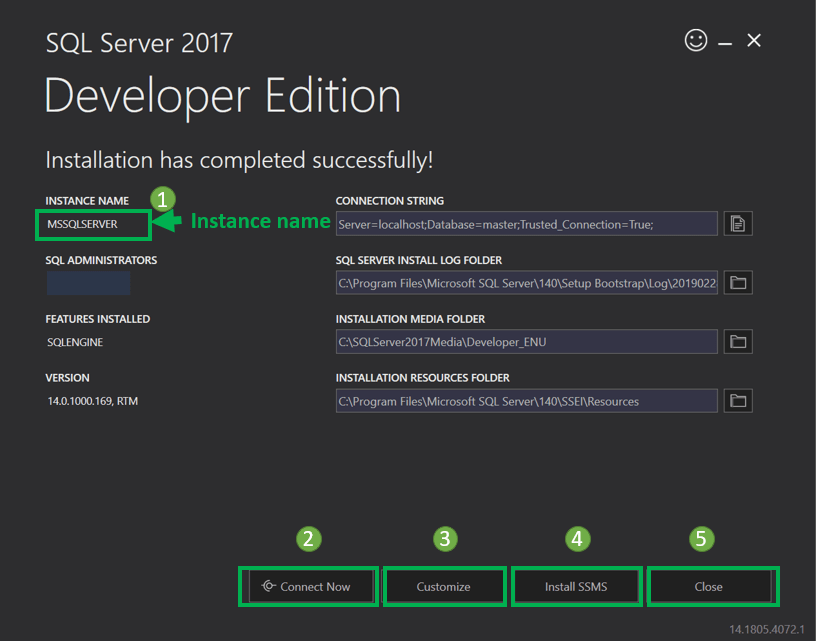
Once, the download is complete; the system will initiate installing developer edition.

[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo8.png)

Below screen show **installation progress.**

[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo9.png)\

**Step 5)** Once installation is completed successfully, below screen will appear.

[](https://www.guru99.com/images/1/030119_0948_HowtoDownlo10.png)

This setup is **self-sufficient for proceeding further** with learning SQL server, and we can 'Close' this window.

***Data Model:***

***Diagram

Description automatically generated***

***Node Graph:***

***Compiled Node Graph:***

***Diagram

Description automatically generated***

***Login Node Graph:***

***Diagram

Description automatically generated with low confidence***

***Create View & Select Projects:***

***Diagram

Description automatically generated***

***Download Message/ History Node Graph:***

Diagram

Description automatically generated

***Tagging Functionality:***

Diagram

Description automatically generated

***Conclusion:***

Project Manager is kind of chatting repository, and it related to Slack environment, and Microsoft teams. The main objective of this chatting repository is to make sure that the communication between the learners and the professors is to easy, so that they can communicate with each other efficiently and effectively in order to complete all the assignments and the projects on time by using a simple Project manager chatting repository, which allows the user to make a group and sent the attachment’s, messages to the group to relayed the message from one person to multiple persons.

Unfortunately, we were not able to complete all the functionality, and were not able to accomplish and implement all the functionality listed in the description because of the shortage of time and facing little hurdle and having hard time in resolving those issues.