Assignment 3

Q1. What is git?

Git is a version control system (VCS)

for tracking changes in computer files and coordinating

work on those files among multiple people. It is primarily used

for software development, but it can be used to keep track

of changes in any files. As a distributed revision

control system it is aimed at speed,[10] data

integrity, and support for distributed, non-linear workflows.

Git was created by Linus Torvalds in

2005 for development of the Linux kernel, with other kernel

developers contributing to its initial development. Its current

maintainer since 2005 is Junio Hamano.

As with most other distributed version control

systems, and unlike most client–server systems, every

Git directory on every computer is a

full-fledged repository with complete history and full

version tracking abilities, independent of network access or a

central server.

Q2. What is Github?

GitHub is a web-based Git or version

control repository and Internet hosting service. It offers

all of the distributed version control and source code

management (SCM) functionality of Git as well as adding its own

features. It provides access controland several collaboration

features such as bug tracking, feature requests, task

management, and wikis for every project.

GitHub offers both plans for private and

free repositories on the same account which are

commonly used to host open-source software projects. As

of April 2017, GitHub reports having almost 20 million users and 57

million repositories,making it the largest host of source

code in the world.

GitHub has a mascot called Octocat, a

cat with five tentacles and a human-like face.

Development of the GitHub platform began on 1

October 2007. The site was launched in April 2008 by Tom

Preston-Werner, Chris Wanstrath, and PJ Hyett after it had been

made available for a few months prior as a beta release.

Projects on GitHub can be accessed and

manipulated using the standard Git command-line interface and all of

the standard Git commands work with it. GitHub also allows registered

and non-registered users to browse public repositories on the site.

Multiple desktop clients and Git plugins have also been

created by GitHub and other third parties that integrate with the

platform.

The site provides social networking-like

functions such as feeds, followers, wikis (using wiki

software called Gollum) and a social network graph to

display how developers work on their versions ("forks") of

a repository and what fork (and branch within that fork) is newest.

A user must create an account in order to

contribute content to the site, but public repositories can be

browsed and downloaded by anyone. With a registered user account,

users are able to discuss, manage, create repositories, submit

contributions to others' repositories, and review changes to

code.

The software that runs GitHub was written

using Ruby on Rails and Erlang by GitHub, Inc.

developers Chris Wanstrath, PJ Hyett, and Tom

Preston-Werner

Q3. Create an account on Github

Was done.