Summary: Getting Started with Git and GitHub

In this module, you learned that:

- Git is a versatile version control system used for tracking changes in code and collaborating with others on software projects.
- Due to a distributed version control system, Git enables you to revert to the previous state or review the project's history.
- GitHub is one of the most popular web-hosted services for Git repositories.
- Repositories are storage structures that store documents, including application source code, and enable contributors to track and maintain version control.
- Git repository model
    - Primarily focused on tracking source code during development.
    - Contains elements to coordinate among programmers, track changes, and support non-linear workflows
- Repositories are storage structures that can hold Code, track Issues, and enable you to collaborate with others.
- GitHub enables you to create repositories, edit files using the web interface, commit the changes to the file, upload the files, and a lot more.

1. Which of the following options do you use to request someone to review and approve your project changes before they become final? 1 / 1 point

- ○ Fork
- ○ Commit changes
- ◉ Pull request
- ○ Repository

Correct
Correct! A pull request is how you request that someone review and approve your changes before they become final.

2. What is the primary purpose of version control? 1 / 1 point

- ◉ Allows you to keep track of changes to your documents
- ○ Allows you to securely log in from one computer to another
- ○ Alters the formatting of the documents
- ○ Creates a backup of the documents

Correct
Correct! A version control system lets you track changes to your documents. This makes it easy to recover older versions of your document if you make a mistake, making collaboration with others much easier.

3. Which of the following is a feature of the Git Repository model? 1 / 1 point

- ○ It sorts code into folders and subfolders
- ○ It is based on a binary tree
- ◉ It is a distributed version control system
- ○ It corrects bad code in a project

✓ Correct
Correct! One feature of the Git Repository model is distributed version control. Each team member has a copy of the entire project on their computer, including the project's files and revision history

4. What is an "organization" in reference to GitHub? 1 / 1 point

- ○ The top level of a repository tree
- ○ A path to the code files in a project
- ○ A name you must specify for your repository
- ◉ A collection of user accounts that own repositories

✓ Correct
Correct! An organization is a collection of user accounts that own repositories. Organizations have one or more owners who have administrative privileges for the organization.

5. How will you create a python file in GitHub? 1 / 1 point

- ○ Settings > Select Create New File> Commit changes
- ○ Select Add File > Select upload files > Choose Your Files > Add File > Add the code > Commit changes to the repository
- ◉ Select Add File > Select Create New File> Provide the file name > Add a comment > Add the code > Commit changes to the repository
- ○ Settings > Select Create New File> Pull Requests

Correct

Correct! To create a new file, select Add File, then click Create New File to create the new file. To create a python file, provide the file name. Next, add a comment that describes your code, then add the code.

Once finished, commit the change to the repository. You will see that your file is now added to the repository, and the repository listing shows when the file was added or changed.