The steps involved while creating the GitHub repository

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The GitHub repository link is https://github.com/sreerag1234/CS5830_Assignment3

1. Initializing a Git repository
   Open the terminal or command prompt, navigate to the desired folder, and execute the following command which initializes Git.
   ```
   git init
   ```

2. Add the files in the folder to the staging area of the Git repository
   This following command adds all files in the folder to the staging area. Specific files can be chosen using "..".
   ```
   git add .
   ```

3. Commit the changes to the local repository
   This action serves to document the modifications within the repository. Utilize the command below to execute this step:
   ```
   git commit -m "comment"
   ```

4. Creating the repository
   Now, create a new repository on GitHub. Go to GitHub, create a new repository, and provide it with a name and optionally a description.

5. Linking the local Git repository to the GitHub repository
   Run the following command, substituting <repository-url> with the URL of the GitHub repository:
   ```
   git remote add origin <repository-url>
   ```

6. Before pushing changes to GitHub, configure the global user email and name. Run the following commands, replacing the <your-email> and <your-name> with our own email and username:
   ```
   git config --global user.email "<your-email>"
   git config --global user.name "<your-name>"
   ```

7. Push the committed changes:
   Push the committed changes from the local repository to the GitHub repository by running the following command, which transfers the changes from the local repository's master branch to the GitHub repository's master branch. Replace "master" with the name of the branch you're presently on if we are working on a different branch.
   ```
   git push -u origin master
   ```

The GitHub repository is successfully created and the required contents is pushed to the specified branch.