



Getting Started with Bitbucket (Python/Django Development)

Sno	Date	Modification	Author	Verified By
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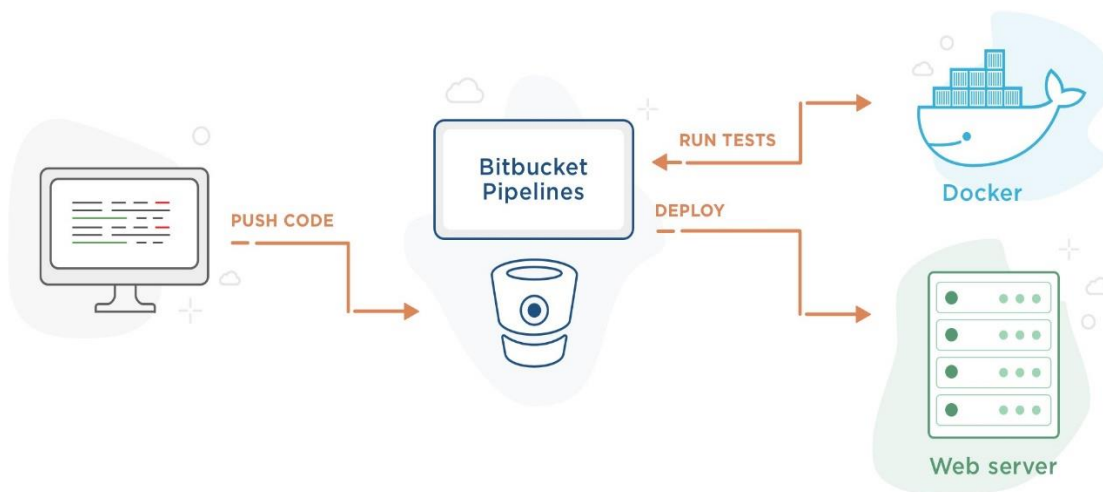
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Why we use bitbucket

Bitbucket is a robust revision control system that greatly aids developers in their day-to-day tasks. If you're part of a development team, you're likely spending much of your time keeping track of collaborative projects. Bit bucket makes the process easier and more organized. To understand what it can do for you, let's have a look at a list at some of its features:

- Stores code in one secure place.
- Allows anybody from the team to access the code or module.
- Offers an effective code review system.
- Keeps track of when each modification to a document is saved.
- Saves a history of each document's state.



Workflow diagram



Objective

The main objective of this project is that to store data in to a safe place. Where all team members push and commit their changes without interrupting.

Solutions

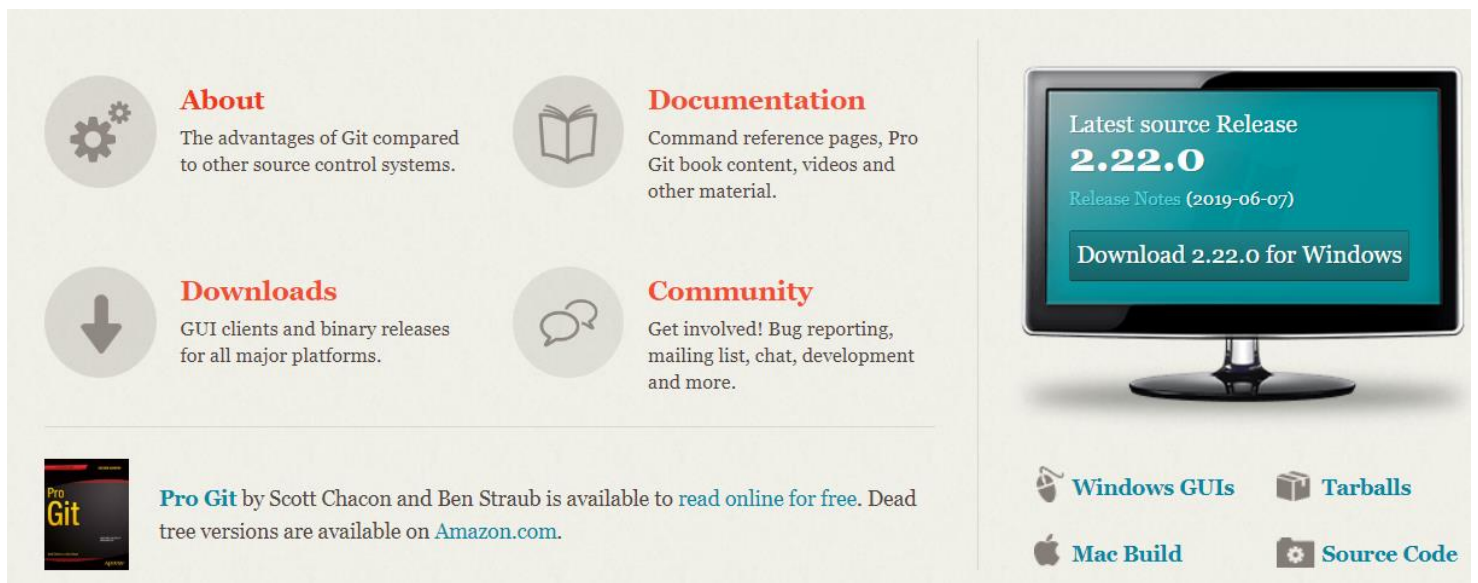
Note: In this document we explain step by step Integration between Python/flask and bit bucket to upload project.

Steps to be caried out

Download git

We can download java from below URL-

Link: <https://git-scm.com/>

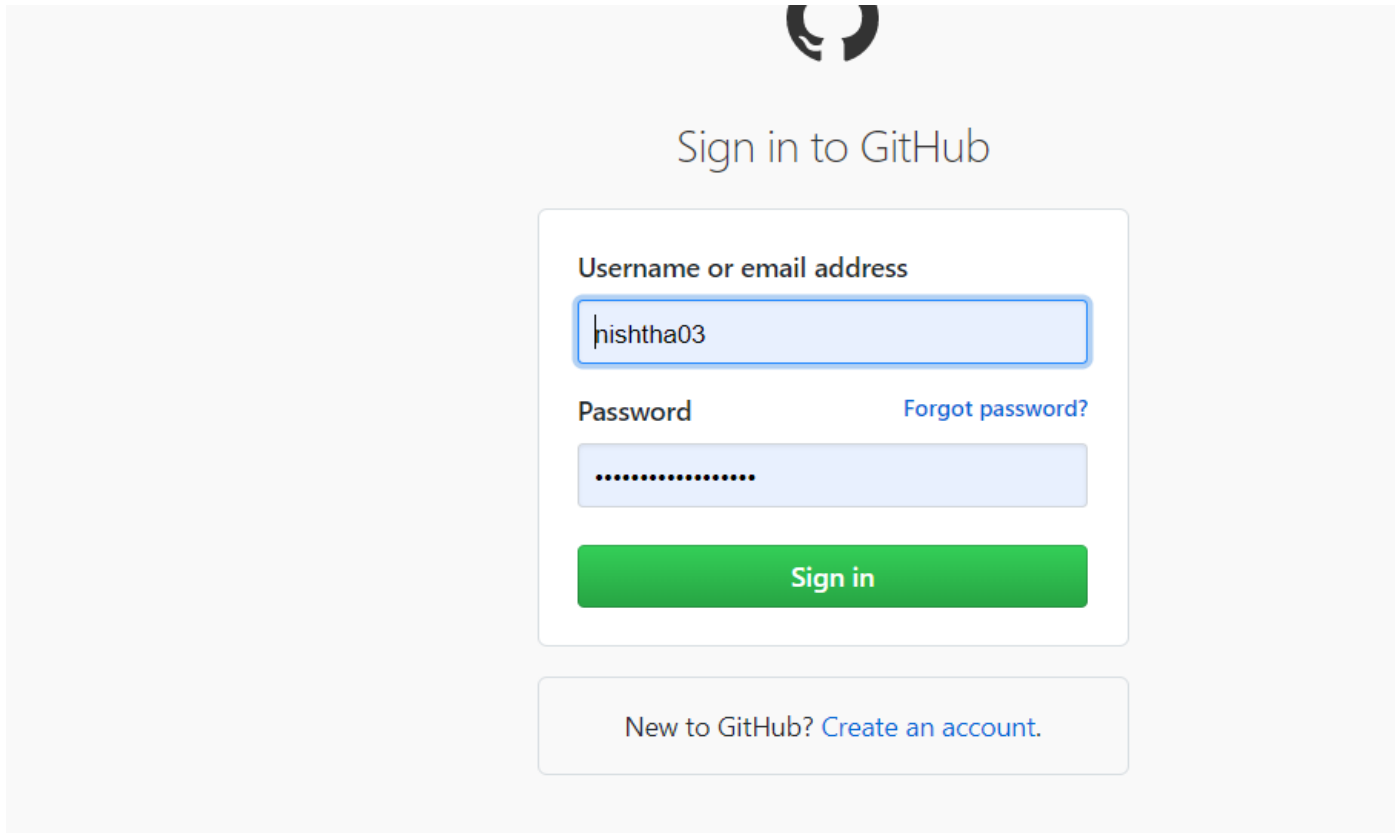


The image shows a screenshot of the Git website homepage. It features a light green background with several navigation options. On the left, there are four circular icons with corresponding text: 'About' (gears icon), 'Downloads' (downward arrow icon), 'Documentation' (open book icon), and 'Community' (speech bubbles icon). Below these is a book cover for 'Pro Git' with text indicating it is available online for free. On the right, there is a large monitor displaying the latest source release '2.22.0' with a 'Download 2.22.0 for Windows' button. At the bottom right, there are four icons for 'Windows GUIs', 'Mac Build', 'Tarballs', and 'Source Code'.

Once git is downloaded need to install it..and create an account on GitHub.

- a) We can create an account on git hub to provide necessary details. It's totally free of cost

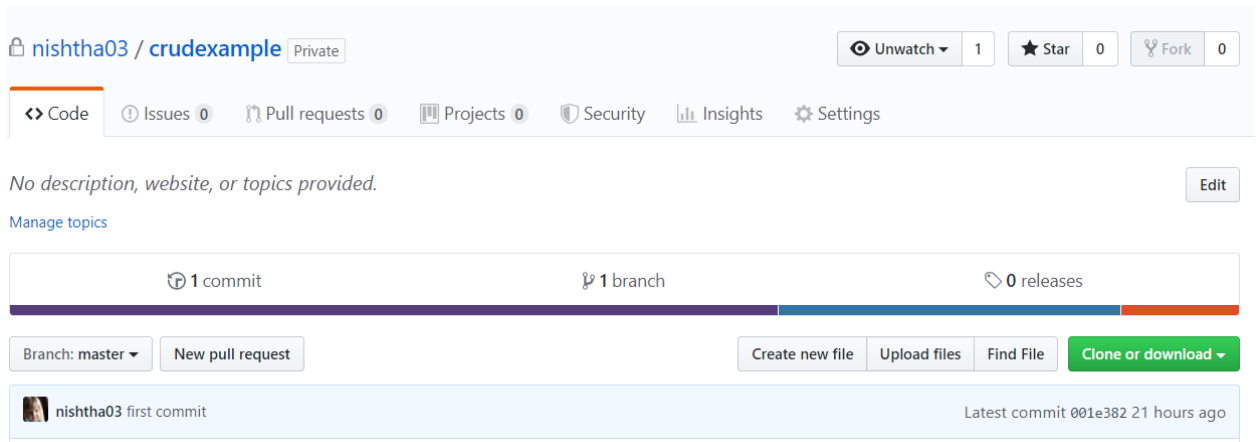
b) Once account is created you



Once you have successfully logged in you can see the following screen where you can manage your repository

- a) Create a new repository button
- b) Create a project XYZ
- c) Choose public or private
- d) Then click on create repository button

You can see the following screen once you create a repository



How to upload project

Step 1: Right click on the project select git bash here

Step 2: Change the current working directory to your local project

Step 3: Initialize the local directory as a Git repository.

```
$ git init
```

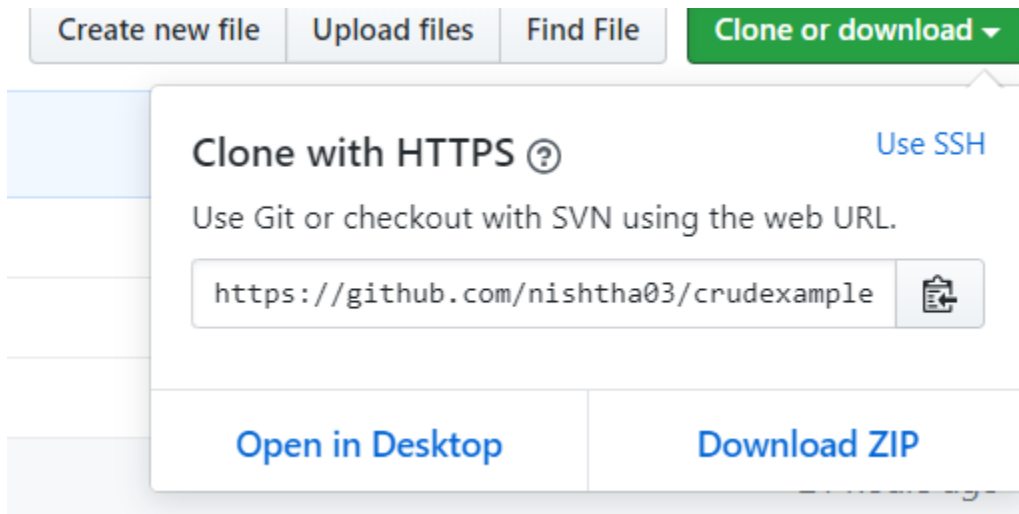
Step 4: Add the files in your new local repository. This stages them for the first commit.

```
$ git add .
```

Step 5: Commit the files that you've staged in your local repository.

```
$ git commit -m "First commit"
```

Step 6: At the top of your GitHub repository's Quick Setup page, click to copy the remote repository URL.



Step 7: In the Command prompt, add the URL for the remote repository where your local repository will be pushed.

```
$ git remote add origin remote repository URL  
# Sets the new remote  
$ git remote -v  
# Verifies the new remote URL
```

Step 8: Push the changes in your local repository to GitHub.

```
$ git push origin master
# Pushes the changes in your local repository up to the remote repository you specified as the origin
```

Once you follow all the step. Congrates you have successfully uploaded your project on GitHub. Your project directory looks like.

The screenshot shows a GitHub repository page for 'nishtha03 / crudexample'. The repository is private and has 1 commit, 1 branch, and 0 releases. The main branch is 'master'. The repository contains the following files and folders:

File/Folder	Commit	Time
.idea	first commit	21 hours ago
crudexample	first commit	21 hours ago
employee	first commit	21 hours ago
db.sqlite3	first commit	21 hours ago
manage.py	first commit	21 hours ago

At the bottom of the repository page, there is a prompt to 'Add a README with an overview of your project.' and a button labeled 'Add a README'.

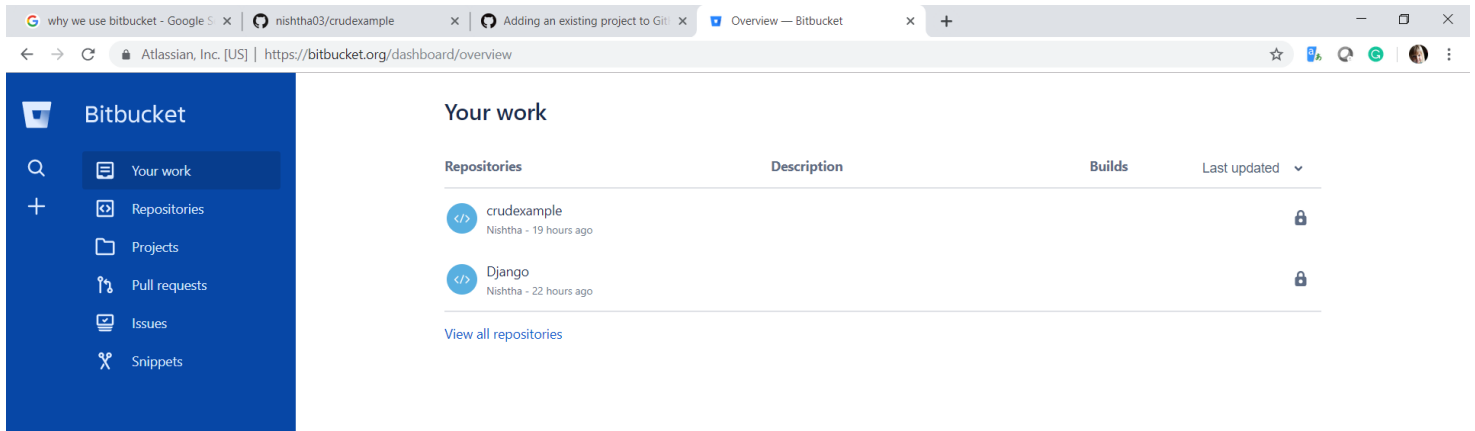
Now we are able to upload project on bit bucket

Step 1: Create an account on bitbucket from below url

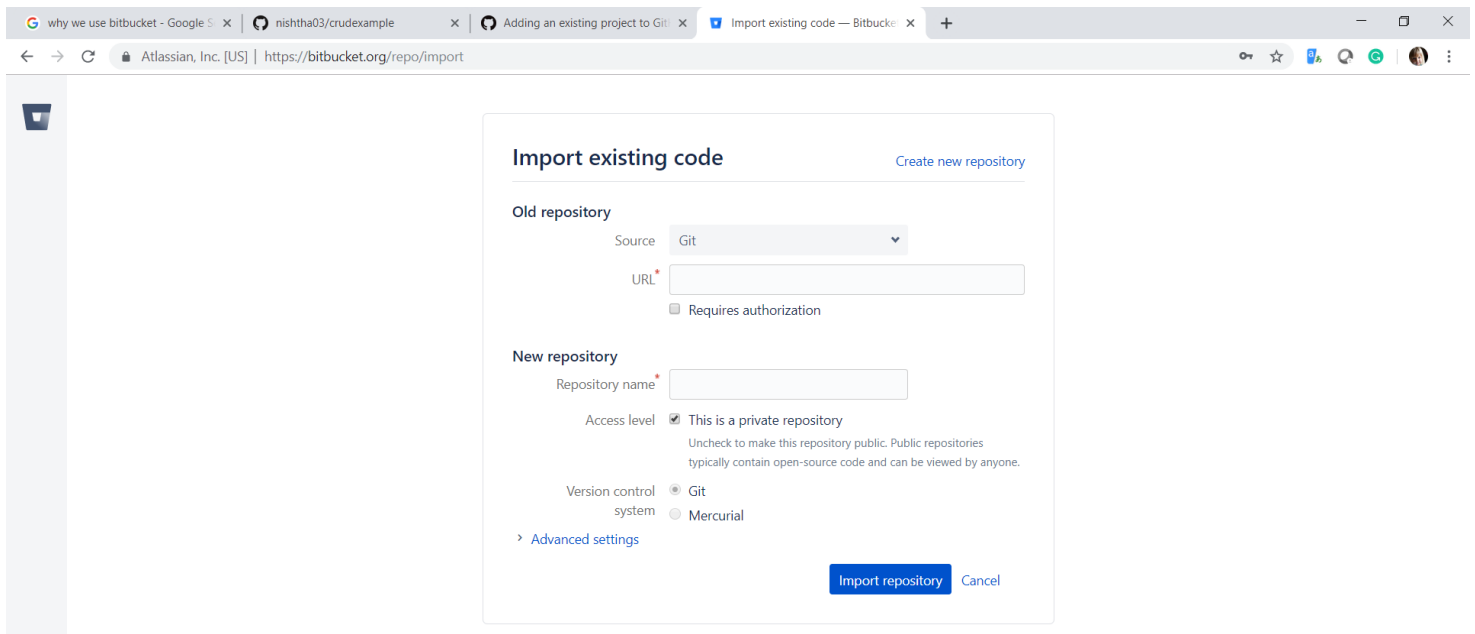
Link: <https://bitbucket.org/account/signup/>

Step 2: Once you have successfully registered. Log in with valid credentials.

Step 3: Your dashboard look like this.



Step 4: click on the Repositories..you see a screen something like this.



Step 5: In URL paste your github URL.

Step6: Click on the import repository.

Step 7 : You are successfully uploaded your github project on bitbucket, your project directory look like this

Final outcome

The screenshot shows a Bitbucket repository page for a user named Nishtha. The repository is named 'crudexample'. The page displays a list of files and folders in the 'master' branch, including '.idea', 'crudexample', 'employee', 'db.sqlite3', and 'manage.py'. Each item shows its size, the time since the last commit (all 22 hours ago), and the commit message ('first commit').

Take the next steps for this new repository and its freshly added files
Copy and connect the repository locally so that you can push updates you make and pull changes others make. Enter **git clone** and the repository URL at your command line:
`git clone https://nishtha03@bitbucket.org/nishtha03/crudexample.git`
[Learn more or clone in Sourcetree to avoid the command line. Sourcetree is a free Git and Mercurial client.](#)

Here's where you'll find this repository's source files. To give your users an idea of what they'll find here, [add a description to your repository.](#)

master Filter files

Name	Size	Last commit	Message
/			
.idea		22 hours ago	first commit
crudexample		22 hours ago	first commit
employee		22 hours ago	first commit
db.sqlite3	140 KB	22 hours ago	first commit
manage.py	543 B	22 hours ago	first commit