

BHARTIYA VIDYA BHAVANS

SARDAR PATEL INSTITUTE OF TECHNOLOGY

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai

Software Engineering Lab

Group Members:

Shreya Shetty (2019140059)

Shruti Shetty (2019140060)

Experiment: 7

Aim: Version Control

Topic: Resort Property Management System

Problem Statement:

The main objective of this project is to build a resort management system that consists of all the features and functions required for effectively managing resorts and to have an online presence that makes the reservation process easier and delivers outstanding customer service. The Resort Property Management System will permit employees to manage the daily administrative tasks of the resort and ensure smooth functioning of the resort. As a solution to the large amount of file handling happening at the resort, this software will be used to overcome those drawbacks.

Github Link to Project: https://github.com/Shruti022/Resort-Property-Management

Navigating to the project directory

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma
ster)
$ cd '/d/SEM 5/Projects/SEL/Resort_Management/Hotel'
```

Setting your user name and email address

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma ster)
$ git config --global user.name "Shruti022"

Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma ster)
$ git config --global user.email "shettyshruti28@gmail.com"
```

Initializing Git

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (master)
$ git init
Reinitialized existing Git repository in D:/SEM 5/Projects/SEL/Resort_Management
/Hotel/.git/
```

Adding Files

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (master)
$ git add .
```

Performing Commit

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma ster)

$ git commit -m "Initial Commit"
[master dfc4493] Initial Commit

2 files changed, 1 insertion(+)
create mode 100644 .gitignore
create mode 160000 Trial
```

Adding new origin remote

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (master)
$ git remote add origin git@github.com:Shruti022/Resort-Property-Management.git
```

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma
ster)
$ ssh-keygen -t rsa -b 4096 -C "shettyshruti28@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/Shruti/.ssh/id_rsa):
Created directory '/c/Users/Shruti/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Shruti/.ssh/id_rsa
Your public key has been saved in /c/Users/Shruti/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:9A9DvfTZ/rrGkklXBaYcCxl6CpoPlzm4viAks9P0c54 shettyshruti28@gmail.com
The key's randomart image is:
  ---[RSA 4096]--
              00. 0.
         . 0 0 *
        + = = . 0 0.
 0.. = = S + . 0..
 0= . = .
 + 0 + 0
  00+.
                 + 0 .
      o.E
                  000.
     -[SHA256]-----
```

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma ster)
$ cat /c/Users/Shruti/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAACAQDHgtua3oipFIYT5eLtzhzvBbQ06HFox6n5fdYW+JW0
huHBcdy71WgB0wbT84EKs7BMTKZmcbpBttdRd/mcwFUxvV58TdKfDJkozJWPx9zkkjxwMbUNm4TzM2o/
5adcBuP57moRQb0ilek2AzQZ7UdZ02Kbj1mN0zTfBxRKsp59xmi9S9fwmabpytlcogwdj1902wbir9Sm
OSDLyKAVg06BpejpdSM2dRgCo2248RpergiVOndel/qC9xeC2xqZMIHXw4dOVleCCCs/BUGZIKR0zKX1
vVhwj6V0ek1k217Uy7HqDwkMmI3wI59C3m8522zPIG+h9IoB+/So5Nk2cBvQRdI0fB/tWFggr6xHV7uc
MwUu0SFPxAxktL83bzxsbajW3vbaSZZQuvafIi5UQRh+0BbkG+CjUh4CDwzuox5inFeB4AMk4Xa9uX19
RCKvCEvgqXrUU52T8zw41j3CBIO+0ez6qSFr2UpI1FKx8ZHACBoeYXROCky6EMbbsbsiO4nhHrwXxe/S
Naq86ZQV1Kojd3ooMO98ICgCeGZeC/fLJbPq+ozOxbzUzeT4qQtBPcSLGiCrZi7vLjyrVuNIGyzVOXdY
mbZOqbsNH/rQWjN1rcqNpNb3ujNpsXyvCMUBSSH2GfUUQMwaw16EAOaJ+YjyK850PIa991czv3xyjs+U
t0== shettyshruti28@gmail.com
```

Pushing the files to Github

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma ster)
$ git push origin master
The authenticity of host 'github.com (13.234.176.102)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCoqU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
Enumerating objects: 140, done.
Counting objects: 100% (140/140), done.
Delta compression using up to 8 threads
Compressing objects: 100% (136/136), done.
Writing objects: 100% (140/140), 3.78 MiB | 214.00 KiB/s, done.
Total 140 (delta 14), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (14/14), done.
To github.com:Shruti022/Resort-Property-Management.git
* [new branch] master -> master
```

Files uploaded on GitHub Repository

Shruti022 Initial Commit		dfc4493 17 minutes ago 🔞 3 commits
Trial	Initial Commit	17 minutes ago
Try	Try commit	1 hour ago
admin	First Commit	3 hours ago
CSS	First Commit	3 hours ago
fonts	First Commit	3 hours ago
images	First Commit	3 hours ago
js	First Commit	3 hours ago
.gitignore	Initial Commit	17 minutes ago
☐ Information.txt	First Commit	3 hours ago
db.php	First Commit	3 hours ago
hotel.sql	First Commit	3 hours ago
index.php	First Commit	3 hours ago

Git log command to show all the commits

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel (ma ster)
$ git log
commit dfc449319c074600dcf921fcd68abb59f1f914b7 (HEAD -> master, origin/master)
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 15:47:05 2021 +0530

Initial Commit

Commit 55bf9947fda0df745e135874f6e72ff03fa7df36
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 14:42:23 2021 +0530

Try commit

commit 685617c18afcbbc12383d1c0e5f73750b952a2cf
Author: Shruti <shettyshruti28@gmail.com>
Date: Sat Nov 27 13:13:44 2021 +0530

First Commit
```

Creating a new branch and merging it with master branch

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try (master)
$ git branch
* master
```

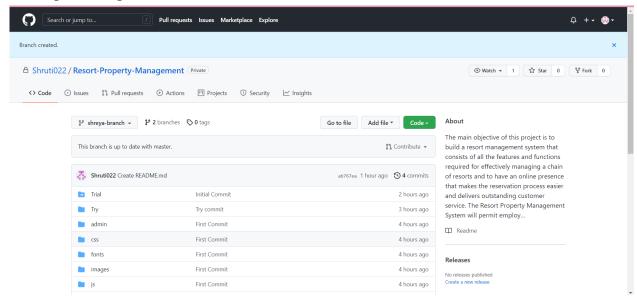
```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (master)
$ git branch first
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (master)
  git branch
first
 Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (master)
$ git checkout first
Switched to branch 'first'
M style.css
 Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (first)
$ git add style.css
warning: LF will be replaced by CRLF in style.css.
The file will have its original line endings in your working directory
 Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (first)
$ git commit -m "Branch Commit"
[first 00c8f64] Branch Commit
  1 file changed, 4 insertions(+), 4 deletions(-)
 Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (first)
$ git log
   mmit 00c8f643fcadfa734c9bf8ac43cf0da3f93230ab (HEAD -> first)
Author: Shruti022 <shettyshruti28@gmail.com>
         Sat Nov 27 17:12:31 2021 +0530
     Branch Commit
commit e54c7e86fe9be08037d64839fc5e68b2b9637fc5 (master)
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 14:44:57 2021 +0530
```

```
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try (first)
$ git checkout master
Switched to branch 'master'
```

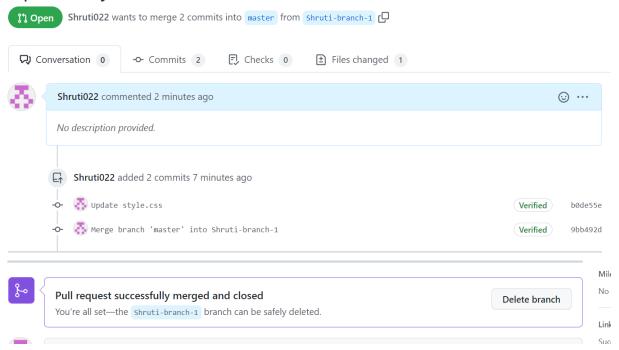
Try_commit

```
hruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
  (master)
$ git add style.css
Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (master)
(master)
$ git commit -m "Master Commit"
[master 21327f3] Master Commit
1 file changed, 2 insertions(+), 2 deletions(-)
  hruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
 (master)
$ git log
commit 21327f379e2c6635bf73ce52629a3774683c6240 (HEAD -> master)
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 17:16:18 2021 +0530
       Master Commit
commit e54c7e86fe9be08037d64839fc5e68b2b9637fc5
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 14:44:57 2021 +0530
      Try_commit
 Shruti@LAPTOP-MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
  (master)
$ git merge first
Auto-merging style.css
hint: Waiting for your editor to close the file...
                      MUBLQFQB MINGW64 /d/SEM 5/Projects/SEL/Resort_Management/Hotel/Try
$ git log
commit fes
Commit fe5b0f4c467795b92e25cdd5a72f743a7700c968 (HEAD -> master)
Merge: 21327f3 00c8f64
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 17:17:30 2021 +0530
      Merge branch 'first'
commit 21327f379e2c6635bf73ce52629a3774683c6240
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 17:16:18 2021 +0530
      Master Commit
commit 00c8f643fcadfa734c9bf8ac43cf0da3f93230ab (first)
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 17:12:31 2021 +0530
      Branch Commit
commit e54c7e86fe9be08037d64839fc5e68b2b9637fc5
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 14:44:57 2021 +0530
                        467795b92e25cdd5a72f743a7700c968 (HEAD -> master)
Merge: 21327f3 00c8f64
Merge: 2132/73 0008164
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 17:17:30 2021 +0530
commit fe5b0f4c467795b92e25cdd5a72f743a7700c968 (HEAD -> master)
      Merge branch 'first'
commit 21327f379e2c6635bf73ce52629a3774683c6240
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 17:16:18 2021 +0530
      Master Commit
commit 00c8f643fcadfa734c9bf8ac43cf0da3f93230ab (first)
Author: Shruti022 <shettyshruti28@gmail.com>
Date: Sat Nov 27 17:12:31 2021 +0530
      Branch Commit
  ommit e54c7e86fe9be08037d64839fc5e68b2b9637fc5
```

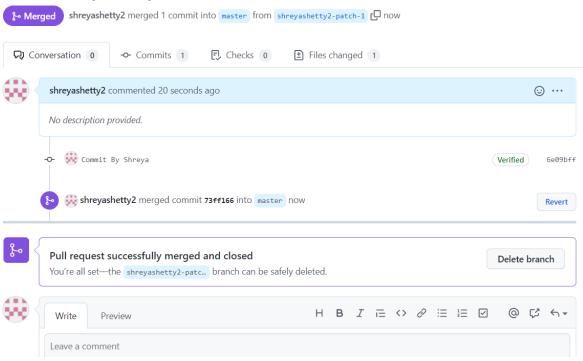
Pull request merged



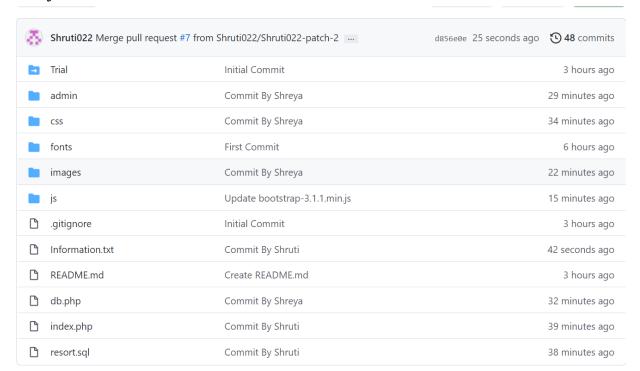
Update style.css #1



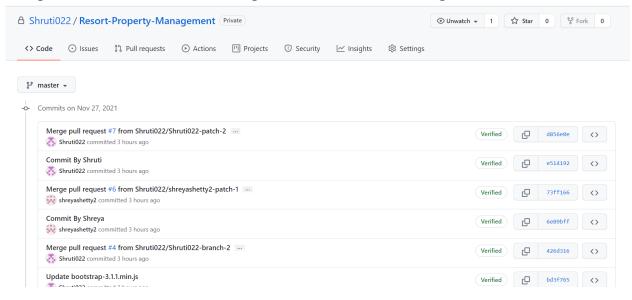
Commit By Shreya #6



All the final commits



Multiple branches were created, changes were made and then merged into the master branch



CONCLUSION:

In this experiment, version control was implemented, performing various operations like commit, push and pull requests. We learnt that version control, also known as source control, is the practice of tracking and managing changes to software code and version control systems are software tools that help software teams manage changes to source code over time.