

Bài tập 7.2. thực hành subversion

// Lê Văn Triệu (B1606947)

Sử dụng lệnh `svn log -v` để xem nhật ký SVN

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ svn log -v
Password:
-----
r5 | huycntt97 | 2020-04-20 21:52:32 +0700 (T2, 20 Thg 4 2020) | 1 line
Changed paths:
  A /bonjour.c
  A /hello.c

Them file bonjour va hello
-----

r4 | levantrieu1 | 2020-04-19 22:37:56 +0700 (CN, 19 Thg 4 2020) | 1 line
Changed paths:
  A /helloworld.c

admin levantrieu vua them file helloworld.c
-----

r3 | huuphat | 2020-04-19 22:35:23 +0700 (CN, 19 Thg 4 2020) | 1 line
Changed paths:
  A /mylib.h

them tap tin mylib.h
-----


r2 | huuphat | 2020-04-19 22:11:24 +0700 (CN, 19 Thg 4 2020) | 1 line
Changed paths:
  M /readme.txt

Cap nhat noi dung file readme.txt boi HuynhHuuPhat
-----

r1 | levantrieu1 | 2020-04-19 21:31:53 +0700 (CN, 19 Thg 4 2020) | 1 line
Changed paths:
  A /readme.txt





Them tap tin readme.txt
-----
```


CV0: Truy cập vào và đăng ký một tài khoản trên <https://sourceforge.net>


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 **levantrieu**

Personal Data

Username:

Ivantrieu1

Joined:

2020-04-18 07:17:00

Edit Personal Data

User Activity

No activity to display.

CV1: Tạo dự án trên Sourceforce.

It is located at <https://sourceforge.net/projects/ivantrieu1/>

Project Name

ivantrieu1

✓

URL Name

ivantrieu1

✓

http://sourceforge.net/p/ivantrieu1

Use our [GitHub importer](#) or [Trac importer](#) to move a whole project to SourceForge.

To import a repo from Bitbucket, Gitlab or anywhere: create a project here, then see its [Import page](#).

Select the tools to use in your project. You may add or remove tools at any time.

☒ **Git**
Git is a popular distributed version control system with broad functionality. It is known for its speed, flexibility, and data integrity.

☐ **Mercurial**
Mercurial ("hg") is a distributed version control system. It is fast, easy to learn, and scalable.

☒ **Subversion**
Subversion ("svn") is a centralized version control system. In general, SVN is simpler to use but not as powerful as distributed systems like Git and Mercurial.

☒ **Forums**
Discussion forums are a place to talk about any topics related to your project. You may set up multiple forums within the Discussion tool.

☐ **Blog**
Share exciting news and progress updates with your community.

☒ **Unlimited File Downloads and Stats**
Use the largest free, managed, global mirror network to distribute your files, and follow the download trends that enable you to develop better software.

☒ **Tickets**
Organize your project's bugs, enhancements, tasks, etc. with a ticket system. You can track and search by status, assignee, milestone, labels, and custom fields.


☒ **Wiki**
Documentation is key to your project and the wiki tool helps make it easy for anyone to contribute.

☒ **Web Hosting**
All open source projects may use free web hosting with PHP and MySQL. Available at a sourceforge.net subdomain or with your own domain name.

☐ **Mailing Lists**
Use mailing lists for email discussions with other developers or your users. Searchable archives are available with each list.

☒ I have read and agree to the [Terms of Use](#), and acknowledge that non-compliant projects will be removed.

Create



ivantrieu

Personal Data

Edit Personal Data

Username:


ivantrieu1

Joined:

2020-04-18 07:17:00

Projects

Add Project



ivantrieu1

User Activity

No activity to display.

CV2: Tạo phiên bản làm việc của dự án lvantrieu1.

```
svn checkout --username=lvantrieu1 svn+ssh://lvantrieu1@svn.code.sf.net/p/lvantrieu1/svn/ lvantrieu1-svn
```

Create default directories

It's common practice among Subversion users to create a /trunk, /branches, and /tags directory at the root of each repository. If you'd like to do that, follow these instructions:

```
svn checkout --username=lvantrieu1 svn+ssh://lvantrieu1@svn.code.sf.net/p/lvantrieu1/svn/ lvantrieu1-svn
cd lvantrieu1-svn
mkdir trunk branches tags
svn add trunk branches tags
svn ci -m "Add initial directories"
```

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion$ svn checkout --username=lvantrieu1 svn+ssh://lvantrieu1@svn.code.sf.net/p/lvantrieu1/svn/ lvantrieu1
The authenticity of host 'svn.code.sf.net (216.105.38.17)' can't be established.
ECDSA key fingerprint is SHA256:FeVkoYYBjuQzb5QVAgm3BkmeN5TTgL2qfmqz9tCPR L4.
Are you sure you want to continue connecting (yes/no)? yes
Password:
Password:
Checked out revision 0.
levantrieu@levantrieu-VirtualBox:~/bt_subversion$ ls
lvantrieu1
```

CV3: Thêm tập tin vào dự án

- Tạo tập tin readme.txt trong thư mục lvantrieu1 (với nội dung tùy ý)
- Dùng lệnh svn status để xem trạng thái của tập tin (readme.txt)

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ nano readme.txt
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ ls
readme.txt
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ svn status
?      readme.txt
```

- Đánh lệnh svn add readme.txt để thêm tập tin readme.txt vào phiên bản làm việc

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ svn add readme.txt
A      readme.txt
```

- Đánh lệnh svn status để xem lại trạng thái của tập tin readme.txt trong thư mục làm việc

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ svn status
A      readme.txt
```

- Sau đó đánh lệnh sau để cập nhật phiên bản hiện hành vào kho
- svn commit -m "Them tap tin readme.txt"
- Nhập password của bạn trên SourceForge

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ svn commit -m "Them
tap tin readme.txt"
Password:
Adding      readme.txt
Transmitting file data .done
Committing transaction...
Committed revision 1.
```

Tree [\[r1\]](#) / Download Snapshot History

SSH HTTPS RO

Read/Write SSH access `svn checkout --username=lvantrieu1 svn+ssh://lvantrieu1@svn.code.sf.net/p/lvantrieu1/svn/ lvantrieu1-svn`

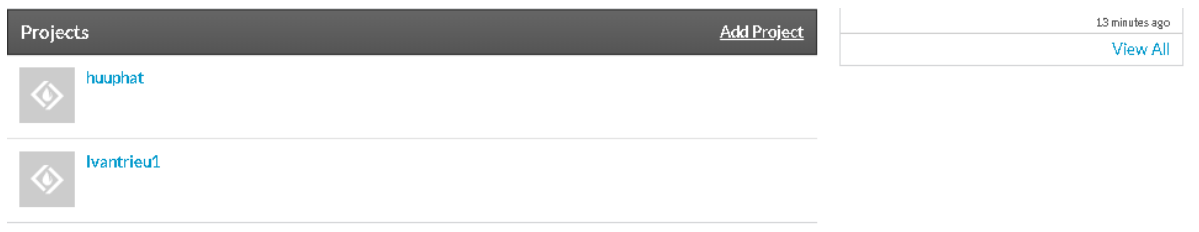
File	Date	Author	Commit
readme.txt	1 minute ago	lvantrieu1	[r1] Them tap tin readme.txt

Read Me

```
// le van trieu
// b1606947
// dy la noi dung bai tap cau CV3 "noi dung duoc yeu cau tuy y"
```

CV4: Chia sẻ công việc của mình với bạn bên cạnh

- Đã add user huuphat và phát đã add lại





- Đã yêu cầu bạn Phát sửa nội dung thành công

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ ls
readme.txt
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ cat readme.txt
// le van trieu
// b1606947
// dy la noi dung bai tap cau CV3 "noi dung duoc yeu cau tuy y"
hello hello Huu Phat B1606921 .CV4 y 2
```

CV5: Cập nhật phiên bản làm việc


```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ svn update
Updating '.':
Password:
U    readme.txt
Updated to revision 2.
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ ls
readme.txt
levantrieu@levantrieu-VirtualBox:~/bt_subversion/lvantrieu1$ cat readme.txt
// le van trieu
// b1606947
// dy la noi dung bai tap cau CV3 "noi dung duoc yeu cau tuy y"
hello hello Huu Phat B1606921 .CV4 y 2
```

CV6: Làm việc nhóm

Group	Users	Permissions
 Admin	levantrieu1 (lvantrieu1) Add	<ul style="list-style-type: none">✓ read✓ admin✓ create✓ update
 Developer	All users in Admin group Huỳnh Hữu Phát (huuphat) Huy Thanh Nguyen (huycntt97) Add	<ul style="list-style-type: none">✓ read✗ admin✓ create✓ update

- Bạn Thanh Huy đã add 2 file (người 2 và người 3: bonjour.c và hello.c)
- Bạn Phát đã add file (người 1: mylib.h)

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Ivantrieu1

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Admin - SVN

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Tree [r5] /

[SSH](#) [HTTPS](#) [RO](#) Read/Write SSH access `svn checkout --username=lvantrieu1 svn+ssh://lvantrieu1@svn.code.sf.net/p/lvantrieu1/svn/ lvantrieu1-svn`

File	Date	Author	Commit
bonjour.c	21 minutes ago	huycntt97	[r5] Them file bonjour va hello
hello.c	21 minutes ago	huycntt97	[r5] Them file bonjour va hello
helloworld.c	24 hours ago	lvantrieu1	[r4] admin levantrieu vua them file helloworld.c
mylib.h	24 hours ago	huuphat	[r3] them tap tin mylib.h
readme.txt	1 day ago	huuphat	[r2] Cap nhat noi dung file readme.txt boi HuynhHuuPhat

Read Me

```
// le van trieu
// b1606947
// dy la noi dung bai tap cau CV3 "noi dung duoc yeu cau tuy y"
hello hello Huu Phat B1606921 .CV4 y 2
```

Sử dụng lệnh \$svn update

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ svn update
Updating '.':
Password:
A    bonjour.c
A    hello.c
A    mylib.h
Updated to revision 5.
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ ls
bonjour.c  hello.c  helloworld.c  mylib.h  readme.txt
```

- Biên dịch chương trình helloworld

Sử dụng lệnh \$gcc -c *.c để tạo các file đối tượng .o từ các file .c

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ gcc -c *.c
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ ls
bonjour.c  hello.c  helloworld.c  mylib.h
bonjour.o  hello.o  helloworld.o  readme.txt
```

Sử dụng lệnh ar crv libmylib.a hello.o bonjour.o để tạo file libmylib.a từ 2 file hello.o và bonjour.o

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ ar crv libmy
lib.a hello.o bonjour.o
a - hello.o
a - bonjour.o
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ ls
bonjour.c  hello.c  helloworld.c  libmylib.a  readme.txt
bonjour.o  hello.o  helloworld.o  mylib.h
```

Sử dụng lệnh \$gcc -o helloworld helloworld.o libmylib.a để tạo ra file helloworld

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ gcc -o hellow
world helloworld.o libmylib.a

levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ ls
bonjour.c  hello.c  helloworld  helloworld.o  mylib.h
bonjour.o  hello.o  helloworld.c  libmylib.a    readme.txt
```

Sử dụng lệnh \$./helloworld để thực thi chương trình helloworld

```
levantrieu@levantrieu-VirtualBox:~/bt_subversion/levantrieu1$ ./helloworld
Hello Hung
Bonjour Hung
```