Checkout Code from SV Repo

clone

Make Local Changes

Testing

commit

Check on firefox

Check on chrome

Fails

Testing Result

Pass

Pass

Testing Result

Fails

Generate Patch File

Local Copy directly commited

Local Copy Commit Update to SVN Repo

How would you represent testing of the application with multiple browsers?
-By using Fork


Can the generation of the patch file and update the Subversion repository be done concurrently?
-Patch file contains info about how to update repo and we can not directly update it in parallel otherwise there will be anomalies in it.

Can patching the production code and updating the Subversion repository be done in parallel?
-Patching the production code and updating Repo are independent events hence yes


Identify the basic units of work, and visualize the work flow
-Creating local repo of code, making changes, committing or testing it and then creating patch file to update final repo.

Identify activities that could be done in parallel.
-Testing of different Browsers ex brave and chrome

-Identify stages from where progress could be made only after a list of criteria is satisfied.
 If both the browsers' testing is successful then only patch files can be created.

## Book

*Book*

**BookID**

Title

Publisher

Author

---

+Display_Details

+Update_status

## Librarian

**ID**

Name

---

Issue Book

Return Book

Add book

Remove Book

Verify

0..* ───── 1

## Member

**ID**

Name

---

Issue Book

Return Book

0..*

1

## Transaction

**ID**

BookID

Member ID

Date OF ISSUE

DueDate

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CreateTransaction

Delete Transaction

## Student

**ID**

Name

---

Register Member

Delete Membership