**IT313-Software Engineering**
**Lab V: Activity & Class Diagram**

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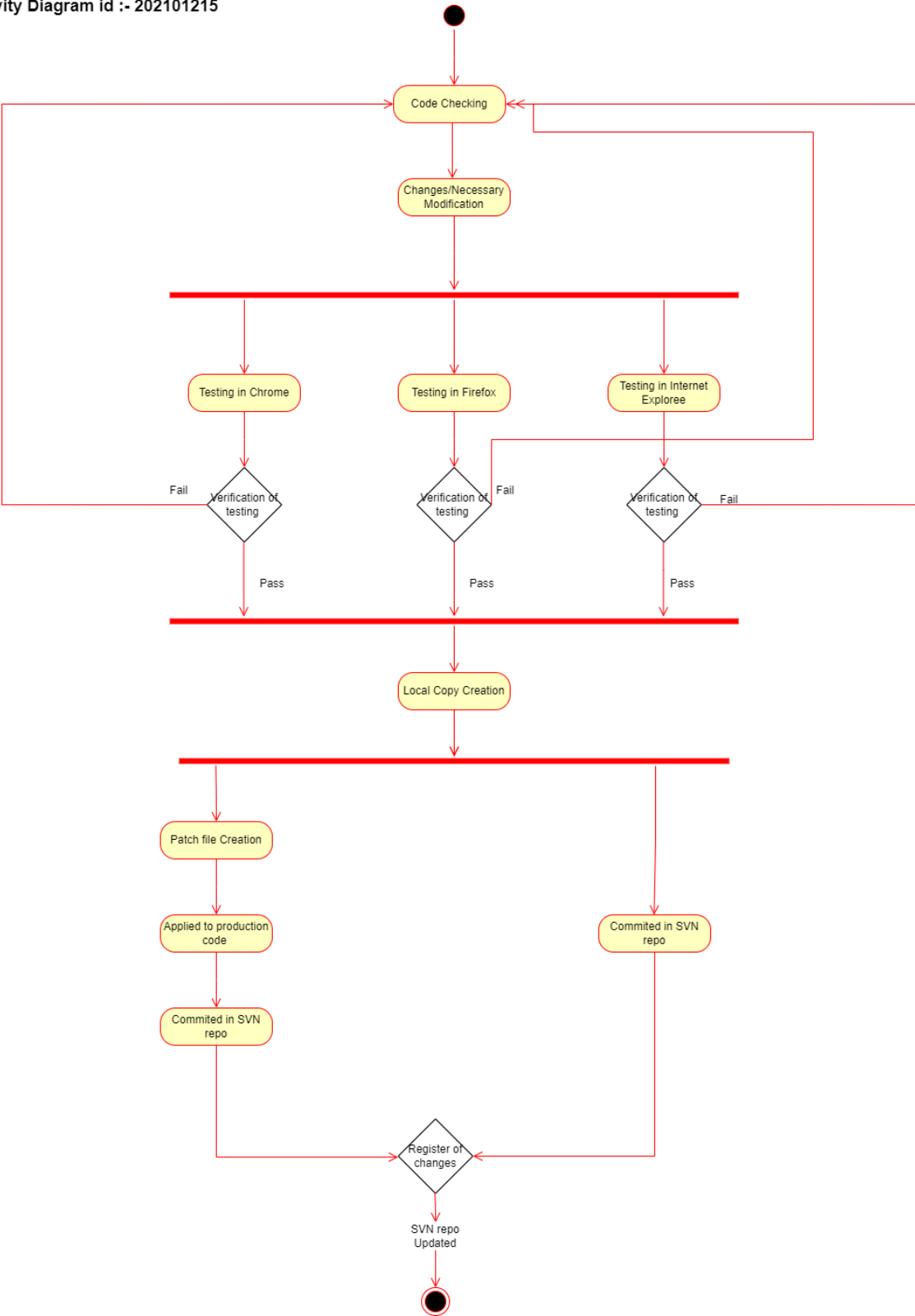**Student id :- 202101215**
**Group No :- 3**
**Date :- 20/09/2023**

**Activity Diagram:-**

**Activity Diagram id :- 202101215**



Code Checking

Changes/Necessary Modification

Testing in Chrome

Testing in Firefox

Testing in Internet Exploree

Verification of testing — Fail

Verification of testing — Fail

Verification of testing — Fail

Pass

Pass

Pass

Local Copy Creation

Patch file Creation

Commited in SVN repo

Applied to production code

Commited in SVN repo

Register of changes

SVN repo Updated

# Class Diagram:-

# CLASS DIAGRAM OF ISSUE FUNCTIONALITY

**Employee**

id : int
Name : string

+ Register()

**Student**

id : int
Name : string

+ Register()

**Member**

id : int
Name : string
Address : string

+ IssueBook()
+ ReissueBook()

**Librarian**

id : int
Name : string

+ Issuebook()
+ ReturnBook()
+ Verification()
+ AddBook()
+ RemoveBook()

1

0...*

0...*

1

**Book**

id : int
Title : string
Author : string
Edition : int
Publisher : string

+ UpdateStatus()
+ DisplayBookDetails()

**Transaction**

id : int
Bookid : int
Memberid : int
DateOfIssue : string
DueDate : string

+ CreateTransection()
+ DeleteTransection()
+ RetreiveTransection()

Id :- 202101215