IT313 Software engineering

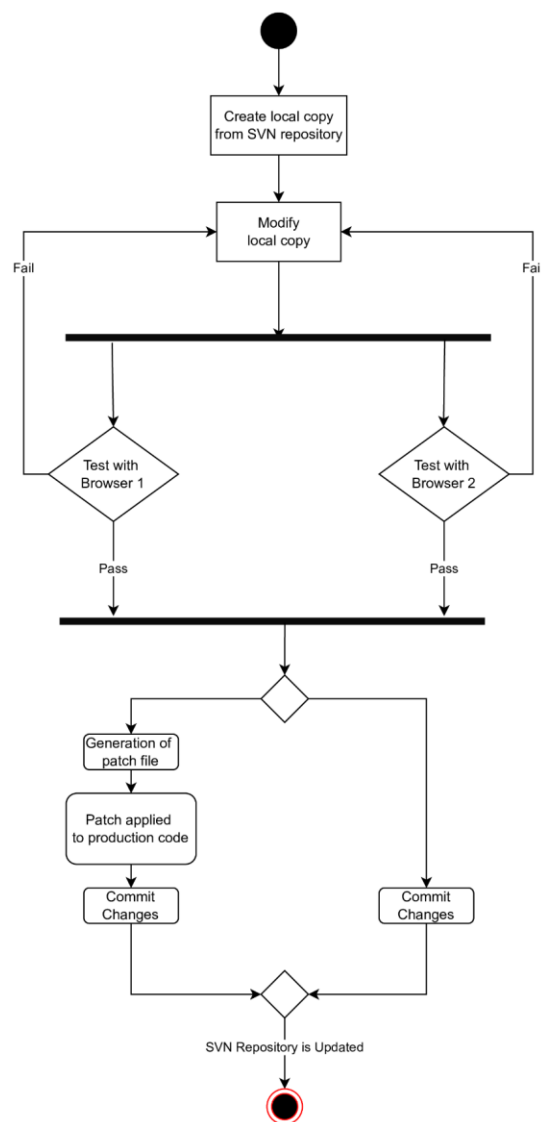## **Lab6** Activity & Class Diagram

Name-Ujjawal Patel

ID-202101080

Group-1

- **Activity Diagram**

- **Class Diagram**

Student

ID : int
Name : string

+ Register()

Employee

ID : int
Name : string

+ Register()

Member

ID : int
Name : string
Address : string

+ issue book()
+ reissue book()

Book

ID : int
Title : string
Publisher : string
Edition : int
Author : string

+ update status()
+ display book status()

Transaction

ID : int
BookID : int
MemberID : int
IssueDate : int
DueDate : int

+ Create transaction()
+ Delete transaction()
+ Retrive transaction()

1   0 ... *

0 ... *

1

Librarian

ID : int
Name : string

+ Issue Book()
+ Return Book()
+Verification()
+Add Book()
+Remove Book()