IT-314 Software Engineering

Name : Bhalani Bindiya
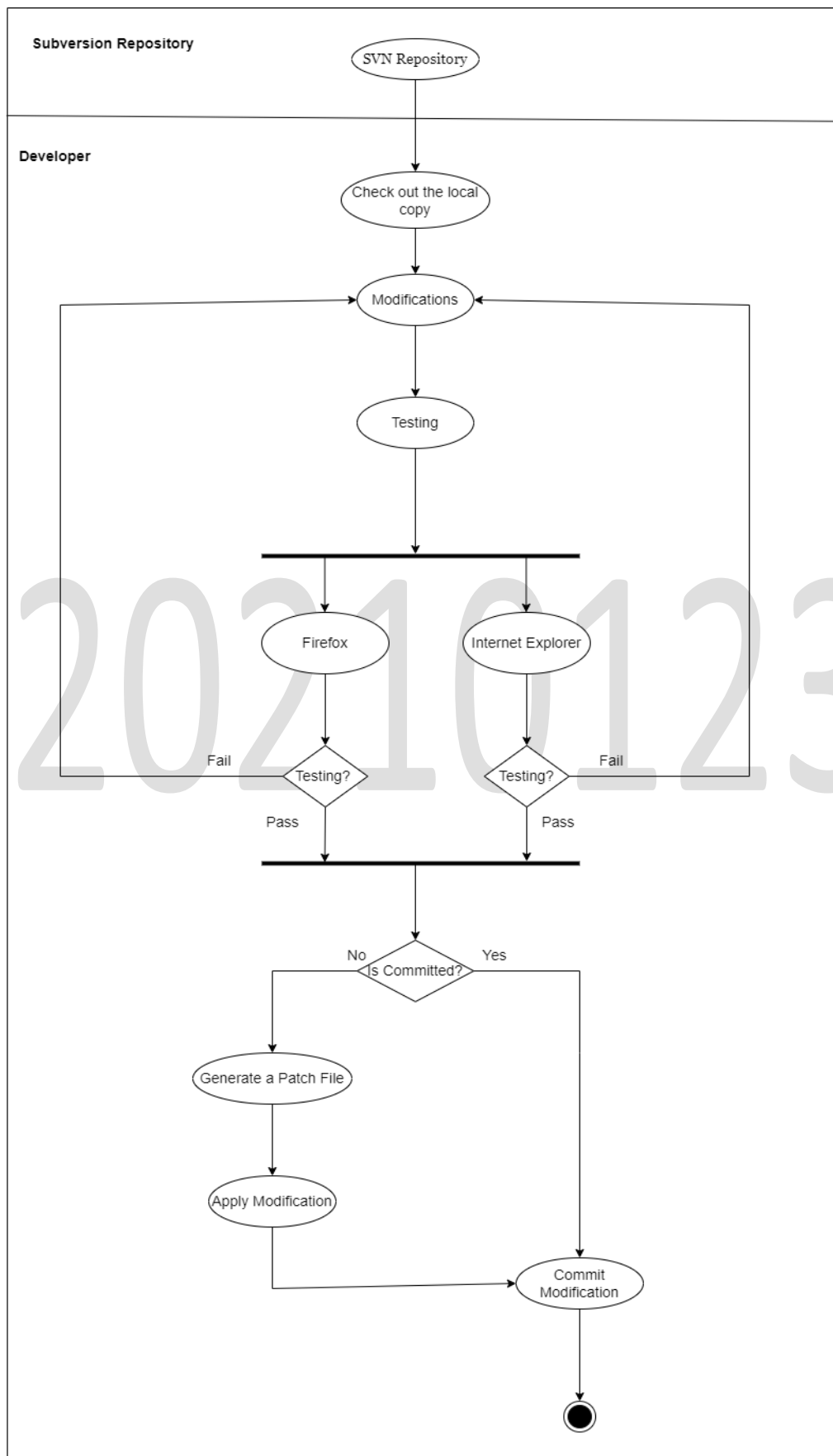
ID : 202101233

Lab Group : 4

Lab : 6

Activity Diagram :

```
┌─────────────────────────────────────────────────────────────────────┐
│  Subversion Repository                                               │
│                          ( SVN Repository )                         │
│─────────────────────────────────────────────────────────────────────│
│  Developer                                                           │
│                                                                      │
│                       ( Check out the local                         │
│                              copy )                                  │
│                                                                      │
│                          ( Modifications )                          │
│                                                                      │
│                             ( Testing )                             │
│                                                                      │
│                   ━━━━━━━━━━━━━━━━━━━━━━━━━━                         │
│                                                                      │
│              ( Firefox )          ( Internet Explorer )             │
│                                                                      │
│     Fail       <Testing?>          <Testing?>      Fail             │
│                                                                      │
│              Pass                    Pass                            │
│                   ━━━━━━━━━━━━━━━━━━━━━━━━━━                         │
│                                                                      │
│              No      <Is Committed?>      Yes                        │
│                                                                      │
│         ( Generate a Patch File )                                   │
│                                                                      │
│         ( Apply Modification )                                      │
│                                             ( Commit                 │
│                                              Modification )          │
│                                                                      │
│                                                  ●                   │
└─────────────────────────────────────────────────────────────────────┘
```

Class Diagram :

Web Browser
- URL : string
- Name : string
- Access_web_page()

Browser Rendring Engine
- HTML : string
- CSS : string
- Display_page()

Navigation
- Webpage_request
- Entered_URL
- Navigate_hyperlink
- Move_history()

Browser Control
- Control_function

Classname
- Aspect_input : string
- Modify_page_display()
- Windows()

Event handlers
- User_activity : string
- Identify_activity()
- Perform_activity()

Web Browser → Browser Rendring Engine : 1 — 1
Navigation → Browser Control : 1...* — 1
Classname → Browser Control : 1...* — 1
Event handlers → Browser Control : 1...* — 1
Browser Rendring Engine → Classname
Browser Control → Web Browser