Der Ops - Assignment Course: 3 Submission Date : 23/04/2021 Name: Yashwini Nathwani Roll no. 802032060 Cowx Name: Selenium Automation
Testing For Beginners
(Udeny) Course Summary an open-source francwork Selevium us four testing mes applications. It testing. This course covers Jet-up og delenium on a windows and some basic martine selevium to test web applications Knowledge testing using souipts). (automate Selepium can be used to automate bewweens, i.e., instead of children buttons and filling up text boxs or our own we can write a suight which pluyorms all these. This can be used for untervention required.

* Advantages y using delenium as automation tool : > It is open-source tool, juice to use -> Works with most programming larguages

: Jang, Python, Buby, Ct, et.

-> Supposets all Operating Systems

-> Supposets all major vendous ag

browsers - Floryox, Charane, Opera, etc.

-> Large community to help developers A Setenium WebDoiver Aorchitecture JSON where Browser delenium Browser Protocal Went Library Chrome Chrome C# Java Edge Edge Driver Sofari Python SayaniDriver Ruby, PHP protocal Selenium swipts intercut with browners via browser drivers. There drivers at as interpare. Selevium library communicates with derivers using JSON where protocal. Privers

communicate with browsers using HTTP protocolo Environment setup: Following steps more followed to set-up selevium on windows -> 1) Download & install Java 2) Jetup Java Path Download & install Eclipse (IDE)

Download Selevium client library fles

Criar 1:10) () ar file (5) Impour selenium dient litraung files in Java project, Woulding with Jelenium. · some hasic roperations were covered in course :- how to open & chese an URL on cherome prouser. · Locatous & Fdentifiers : To find a particular met element and perform som operation on it. ég's me can seauch jour buttons on text boxes and perform juling texthores.

Locators in Jelenium on name, Id, Class name, Tag Name, Link Tent, Rourial Line Text, (SS, XPath. To find an element, we choose one of the above attributes which has unique value for that particular element.

After finding the elements, we can perform actions like like, send text, get Text, a hovering the mouse, etc. weful John XPate locatous are Lynasia Allistes & when affribuses are not virgue ode when no affribute available to uniquely identify an element. Types of Xpath toxotos :-(1) Absolute Spath (2) Relative Spath Jeanh for a meb * Waits in Selevium & Mouse operations and to prevent surpreparent perom falling

in vingstile loop.

Bage doad timeout: The set a duration Jose waiting pour page to load. It pages doesn't load begour timeout an exception (timeout) is therown. · Implicit wait in Load timeant for individual web elements. · Explicit word :> Wair on met elements boxed on some wordision. Eggs west till element us visible.