|  |
| --- |
| WebDriver webDriver = new FirefoxDriver(); |
|  | webDriver.navigate().to("http://example.com/some/page"); |
|  |  |
|  | // simplified: find table which contains the keyword |
|  | WebElement tableElement = webDriver.findElement(By.xpath("//table[contains(text(), 'Username')]")); |
|  |  |
|  | // create empty table object and iterate through all rows of the found table element |
|  | ArrayList<HashMap<String, WebElement>> userTable = new ArrayList<HashMap<String, WebElement>>(); |
|  | ArrayList<WebElement> rowElements = tableElement.findElements(By.xpath(".//tr")); |
|  |  |
|  | // get column names of table from table headers |
|  | ArrayList<String> columnNames = new ArrayList<String>(); |
|  | ArrayList<WebElement> headerElements = rowElements.get(0).findElements(By.xpath(".//th")); |
|  | for (WebElement headerElement: headerElements) { |
|  | columnNames.add(headerElement.getText()); |
|  | } |
|  |  |
|  | // iterate through all rows and add their content to table array |
|  | for (WebElement rowElement: rowElements) { |
|  | HashMap<String, WebElement> row = new HashMap<String, WebElement>(); |
|  |  |
|  | // add table cells to current row |
|  | int columnIndex = 0; |
|  | ArrayList<WebElement> cellElements = rowElement.findElements(By.xpath(".//td")); |
|  | for (WebElement cellElement: cellElements) { |
|  | row.put(columnNames.get(columnIndex), cellElement); |
|  | columnIndex++; |
|  | } |
|  |  |
|  | userTable.add(row); |
|  | } |
|  |  |
|  | // finally fetch the desired data |
|  | WebElement cellInSecondRowFourthColumn = userTable.get(1).get("Email"); |