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| **PROJECT  NAME** | [SKILLGUN.COM](https://skillgun.com/) AUTOMATION |
| **PREPARED BY** | Partha Sarathi Senapati |
| **DATE** | July 2023 - Till Date |

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| **PROJECT OVERVIEWS** | The Skillgun.com Automation project aims to automate the testing of the educational technology platform Skillgun.com. This platform provides courses and placement assistance to enrolled students. The automation script simulates user interactions with the web application to ensure its functionality, usability, and reliability. |
| **TECHNOLOGY USED** | Java  Selenium WebDriver  TestNG |
| **PROJECT  KEY FEATURES** | * **Browser Initialization:** The automation script initializes a web browser and navigates to the Skillgun.com website. * **Mobile Number Verification:** Upon reaching the website, the script handles redirection to a page requiring a valid mobile number for verification. * **Login Process:** After entering a valid mobile number, the script interacts with the login UI, providing valid credentials and checking the functionality of the Privacy Policy checkbox. * **Captcha Handling:** As captcha cannot be automated, the script employs a wait function to pause execution, allowing manual entry of the captcha. * **Form Submission:** Once all required fields are filled, including the captcha, the script submits the form and verifies the redirection to the expected URL using Assert.assertEquals(). * **Homepage Validation:** Upon redirection to the home page, the script verifies the visibility of essential elements such as welcome messages, profile pictures, and scrollable texts. * **Profile Settings Verification:** The script simulates clicking on profile settings and ensures proper redirection by comparing the URL using Assert.assertEquals(). * **UI Element Verification:** Using .isDisplayed() function, the script verifies the clickability and visibility of checkboxes, profile pictures, and various buttons such as Change Password, Edit Contact Details, and Upload Resume. * **Navigation Testing:** The script checks the functionality of the "Back to Home" button, ensuring its clickability and redirection to the home page. |

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| **CONCLUSION**  The Skillgun.com Automation project demonstrates comprehensive testing of the web application's functionalities, ensuring a seamless user experience. By automating the testing process, the project enhances efficiency, accuracy, and reliability in verifying the platform's features, ultimately contributing to its overall quality and user satisfaction. |