Faculty of Science and Technology

Assignment Cover Sheet

Assignment Title:	Software Testing Report by usuing Selenium				
Assignment No:	1		Date of Submission:	25 November 2023	
Course Title:	SOFTWARE QUALITY AND TESTING				
Course Code:	01679		Section:	В	
Semester:	Fall	2023-24	Course Teacher:	Abhijit Bhowmik	

Declaration and Statement of Authorship:

- 1. I/we hold a copy of this Assignment/Case-Study, which can be produced if the original is lost/damaged.
- 2. This Assignment/Case-Study is my/our original work and no part of it has been copied from any other student's work or from any other source except where due acknowledgement is made.
- 3. No part of this Assignment/Case-Study has been written for me/us by any other person except where such collaborationhas been authorized by the concerned teacher and is clearly acknowledged in the assignment.
- 4. I/we have not previously submitted or currently submitting this work for any other course/unit.
- 5. This work may be reproduced, communicated, compared and archived for the purpose of detecting plagiarism.
- 6. I/we give permission for a copy of my/our marked work to be retained by the Faculty for review and comparison, including review by external examiners.
- 7. I/we understand that Plagiarism is the presentation of the work, idea or creation of another person as though it is your own. It is a formofcheating and is avery serious academic offence that may lead to expulsion from the University. Plagiarized material can be drawn from, and presented in, written, graphic and visual form, including electronic data, and oral presentations. Plagiarism occurs when the origin of them arterial used is not appropriately cited.
- 8. I/we also understand that enabling plagiarism is the act of assisting or allowing another person to plagiarize or to copy my/our work.
- * Student(s) must complete all details except the faculty use part.
- ** Please submit all assignments to your course teacher or the office of the concerned teacher.

Group Name/No.:

No	Name	ID	Program	Signature
1	Faisal,MD. Omar Faruk	20-43669-2	BSc [CSE]	
2	Akash, Shakibul Islam	20-43861-2	BSc [CSE]	
3	Roy, Mihir Kanti	20-43785-2	BSc [CSE]	
4			Choose an item.	
5			Choose an item.	
6			Choose an item.	
7			Choose an item.	
8			Choose an item.	
9			Choose an item.	
10			Choose an item.	

Faculty use only					
FACULTYCOMMENTS					
	Marks Obtained				
	Total Marks				

Software Testing by using Selenium

Project name: "Online Examination System"

Language: HTML,PHP,CSS,PhpMyadmin

Web Server : Xampp

Tools: Selenium Chrome Browser Extension(used for Software Testing)

Project Description:

The Online Examination System is a web-based application developed using PHP, CSS, and HTML, with Xampp serving as the web server. It enables users to register, log in, and take online exams in various subjects. The system features a randomized question bank, timed exams, and instant result display, allowing users to assess their performance and view detailed score reports. A dynamic leaderboard showcases top performers, fostering healthy competition. Admin functionalities include user management, question database control, and performance monitoring. With a responsive design, the system prioritizes accessibility across devices, providing a secure and user-friendly platform for online assessments. The primary features of this system include:

User Authentication:

Users can register and log in to the system using a username and password. User authentication ensures that only registered users can access the examination platform.

Subject Selection:

Users can choose from different subjects or topics for which they want to take an online exam.

Question Bank:

The system contains a database of questions for each subject, categorized by topics. Questions may include multiple-choice questions, true/false questions, or other types.

Exam Conducting:

Users can start an online exam for the selected subject. The system randomly selects questions from the question bank for each user, ensuring uniqueness.

Timer Functionality:

Exams are timed to add a real-time constraint, promoting a fair and challenging environment. Users have a specific duration to complete the exam.

Answer Submission:

Users can submit their answers within the given time frame. The system evaluates the submitted answers and provides instant feedback on the user's performance.

Result Display:

After completing the exam, users can view their scores and see which questions they answered correctly or incorrectly. The system displays a detailed report of the user's performance.

Leaderboard:

A leaderboard feature shows the top performers based on scores. Users can compare their performance with others and strive to improve their rankings.

User Profile:

Each user has a profile where their exam history, scores, and other relevant information are stored.

Admin Panel:

An admin panel allows administrators to manage user accounts, add/edit/delete questions, and monitor overall system performance. Admins may also generate reports on user activity and exam results.

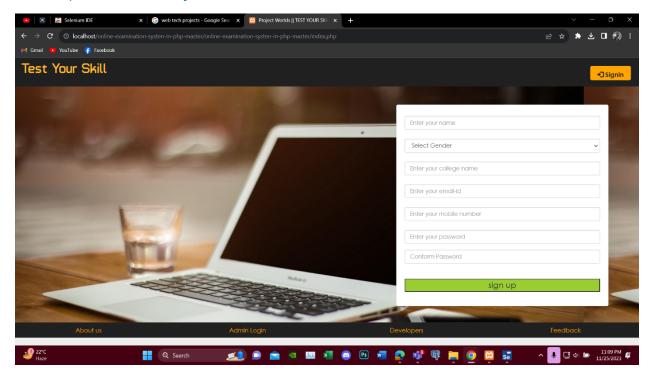
Security Measures:

The system incorporates security features to protect user data and prevent unauthorized access.

Responsive Design:

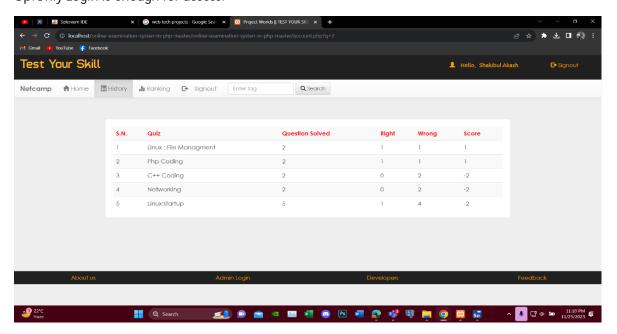
The user interface is designed to be responsive, ensuring a seamless experience across various devices.

Visual Representation of Project:



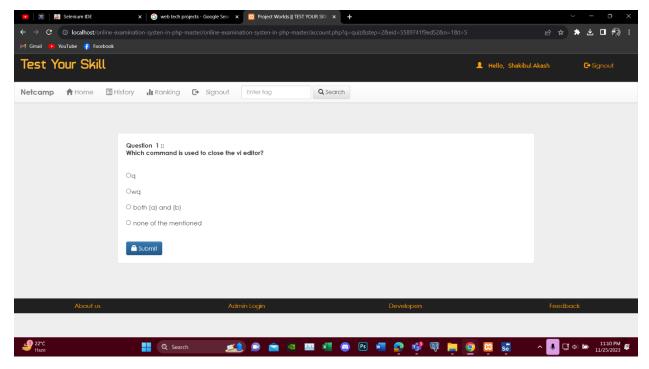
Homepage Dashboard of the System

If user is new then Sign Up is mandatory by fillup each and every section(Validation Applied). Name is prinmary key so same name can't be repeat. If you've an account from earlier then no need to Sign Up. Only Login is enough for access.



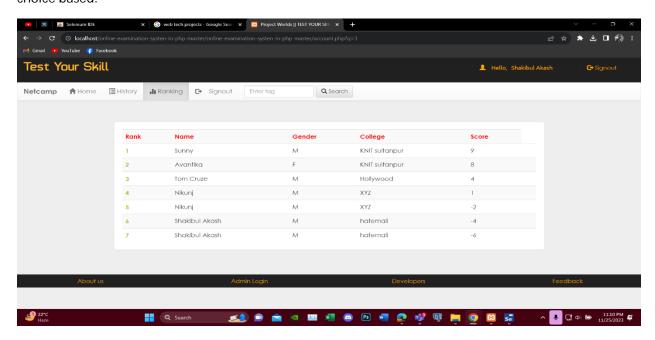
Quiz Dashboard of the System

From the Quiz Dashboard any user can take attempt for any quiz according to his/her desire where he/she can see the no of solved question, score, right answer & wrong answer.



Question Script Dashboard of the System

From the Question Script section any user can give his/her answer. Most of the quizes are multiple choice based.



Leaderboard Dashboard of the System

From the Leaderboard user can see his ranking. In the board Candidate's rank, name, score, college name, gender are given.

Testing Report: Testing was fully done by Selenium Chrome Browser Extension.

Selenium is an open-source framework for automating web browser interactions. It provides a suite of tools and libraries for controlling web browsers through programs and performing actions like clicking buttons, filling forms, and navigating between pages. Selenium supports multiple programming languages, including Java, Python, C#, and others, making it versatile for developers with different language preferences.

Key components of Selenium:

WebDriver:

The primary component for browser automation. It provides a programming interface to control and interact with web browsers. Supports various browsers such as Chrome, Firefox, Safari, and more.

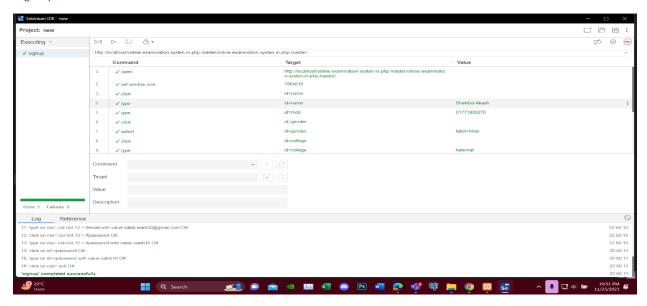
Selenium IDE (Integrated Development Environment):

A browser extension for Chrome and Firefox that allows record-and-playback of user interactions, making it easy to create simple scripts.

Selenium Grid:

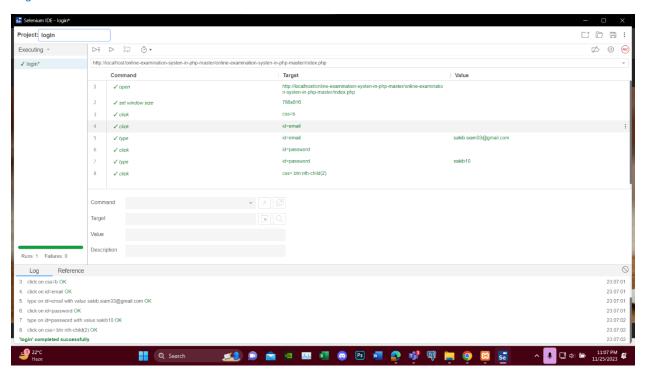
Enables parallel execution of tests on multiple machines, allowing for distributed testing. Selenium is widely used for web application testing, especially in the context of regression testing and ensuring the functionality of web applications across different browsers. It is also employed for web scraping, automating repetitive tasks, and browser compatibility testing. The flexibility and extensibility of Selenium make it a popular choice for web automation among developers and QA professionals.

SignUp:



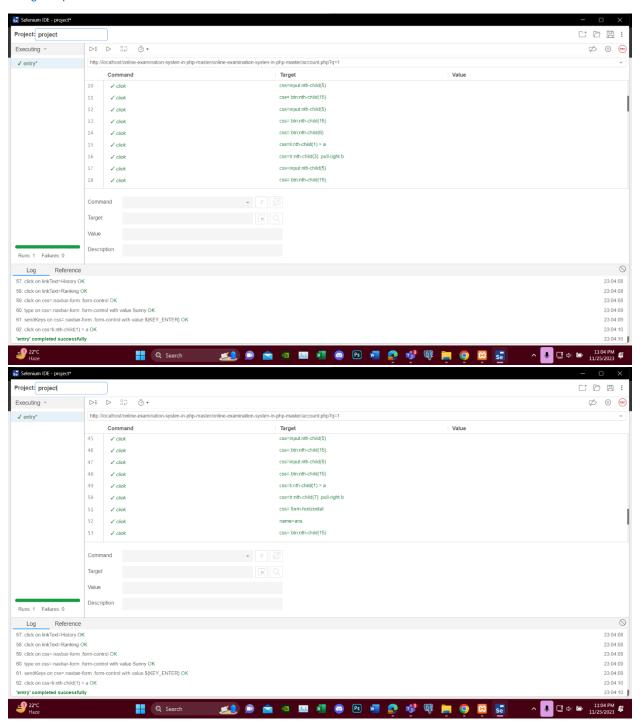
No error found during SignUp

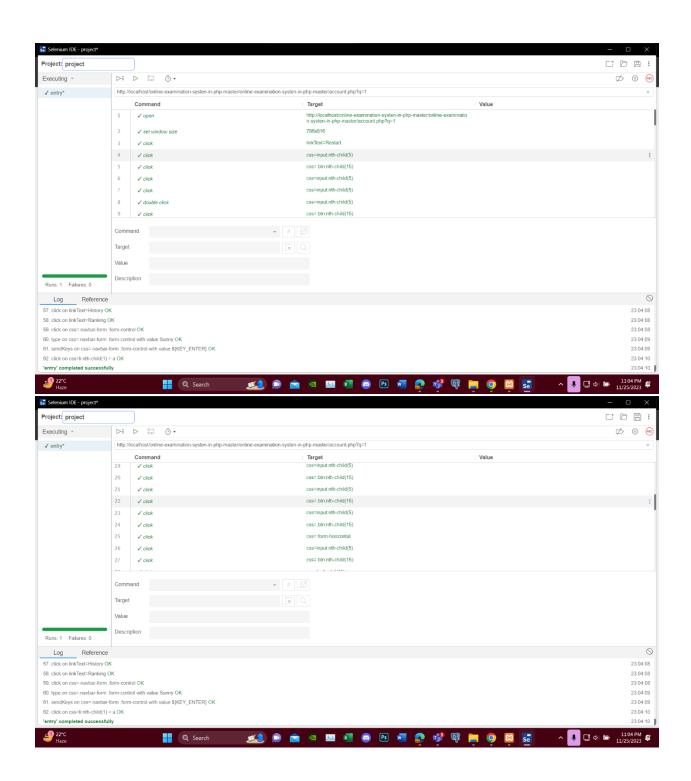
Login:

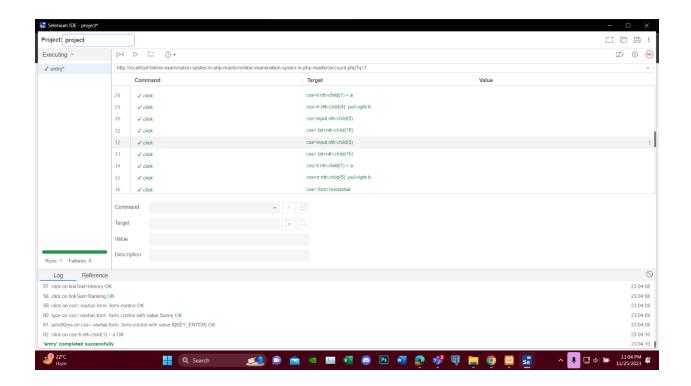


No error found during Login

Usage Experience:







No error found during any execution of the project

```
Source Code:

Code file extension (.side)

Login:

{

"id": "65fd6411-88cc-42d5-98bf-b9a5967484c3",

"version": "2.0",

"name": "login",

"url": "http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-phpmaster/index.php",

"tests": [{

"id": "d91ab2ac-a84d-4ee5-ad18-22cd27cba5cc",

"name": "login",

"commands": [{

"id": "a1a28544-96e6-4a72-bf50-9f5cafeac1f1",
```

```
"comment": "",
   "command": "open",
   "target": "http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-
php-master/index.php",
   "targets": [],
   "value": ""
  }, {
   "id": "f3361063-6ba7-40b3-958a-71f74e8ec668",
   "comment": "",
   "command": "setWindowSize",
   "target": "786x816",
   "targets": [],
   "value": ""
  }, {
   "id": "fab36695-6539-4922-b47c-05b63453ed85",
   "comment": "",
   "command": "click",
   "target": "css=b",
   "targets": [
   ["css=b", "css:finder"],
    ["xpath=//b", "xpath:position"],
    ["xpath=//b[contains(.,'Signin')]", "xpath:innerText"]
  ],
   "value": ""
  }, {
   "id": "5f629991-9686-410b-a930-801077a308bd",
   "comment": "",
   "command": "click",
   "target": "id=email",
```

```
"targets": [
  ["id=email", "id"],
  ["name=email", "name"],
  ["css=.col-md-6 > #email", "css:finder"],
  ["xpath=//input[@id='email']", "xpath:attributes"],
  ["xpath=//div[@id='myModal']/div/div/div[2]/form/fieldset/div/div/input", "xpath:idRelative"],
  ["xpath=//input", "xpath:position"]
],
 "value": ""
}, {
 "id": "1147c833-bc76-4c31-bedb-05d31222a097",
 "comment": "",
 "command": "type",
 "target": "id=email",
 "targets": [
  ["id=email", "id"],
  ["name=email", "name"],
  ["css=.col-md-6 > #email", "css:finder"],
  ["xpath=//input[@id='email']", "xpath:attributes"],
  ["xpath=//div[@id='myModal']/div/div/div[2]/form/fieldset/div/div/input", "xpath:idRelative"],
  ["xpath=//input", "xpath:position"]
1,
 "value": "sakib.siam33@gmail.com"
}, {
 "id": "655d59e3-305b-4aba-9eb9-2fabc65c9534",
 "comment": "",
 "command": "click",
 "target": "id=password",
 "targets": [
```

```
["id=password", "id"],
  ["name=password", "name"],
  ["css=.col-md-6 > #password", "css:finder"],
  ["xpath=//input[@id='password']", "xpath:attributes"],
  ["xpath=//div[@id='myModal']/div/div/div[2]/form/fieldset/div[2]/div/input", "xpath:idRelative"],
  ["xpath=//div[2]/div/input", "xpath:position"]
],
 "value": ""
}, {
 "id": "dd1f2841-add3-42fd-8493-7875ba411551",
 "comment": "",
 "command": "type",
 "target": "id=password",
 "targets": [
  ["id=password", "id"],
  ["name=password", "name"],
  ["css=.col-md-6 > #password", "css:finder"],
  ["xpath=//input[@id='password']", "xpath:attributes"],
  ["xpath=//div[@id='myModal']/div/div/div[2]/form/fieldset/div[2]/div/input", "xpath:idRelative"],
  ["xpath=//div[2]/div/input", "xpath:position"]
1,
 "value": "sakib10"
}, {
 "id": "6540bbd6-1096-48e5-8331-7951ec861f8c",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(2)",
 "targets": [
  ["css=.btn:nth-child(2)", "css:finder"],
```

```
["xpath=//button[@type='submit']", "xpath:attributes"],
    ["xpath=//div[@id='myModal']/div/div/div[3]/button[2]", "xpath:idRelative"],
    ["xpath=//button[2]", "xpath:position"],
    ["xpath=//button[contains(.,'Log in')]", "xpath:innerText"]
   ],
   "value": ""
  }]
}],
 "suites": [{
  "id": "54edd3f8-0acd-4099-8bfc-c9a6a5941522",
  "name": "Default Suite",
  "persistSession": false,
  "parallel": false,
  "timeout": 300,
  "tests": ["d91ab2ac-a84d-4ee5-ad18-22cd27cba5cc"]
}],
 "urls": ["http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-php-
master/index.php"],
 "plugins": []
}
SignUp:
 "id": "58e43b77-45a7-4def-9ae8-439873b815bf",
 "version": "2.0",
 "name": "new",
 "url": "http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-php-
master/",
 "tests": [{
```

```
"id": "55c98640-50fa-4b7b-9580-cb1a8e008dc1",
  "name": "signup",
  "commands": [{
   "id": "6d0de05e-70fe-4f0c-9994-f49bb08bc722",
   "comment": "",
   "command": "open",
   "target": "http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-
php-master/",
   "targets": [],
   "value": ""
  }, {
   "id": "21f264dd-d77f-4303-9ed9-67b36c083e9e",
   "comment": "",
   "command": "setWindowSize",
   "target": "786x816",
   "targets": [],
   "value": ""
  }, {
   "id": "aa3a7254-e7b8-4ea0-ad8c-cae4c56b31d0",
   "comment": "",
   "command": "click",
   "target": "id=name",
   "targets": [
    ["id=name", "id"],
    ["name=name", "name"],
    ["css=#name", "css:finder"],
    ["xpath=//input[@id='name']", "xpath:attributes"],
    ["xpath=//div[2]/div/div[2]/form/fieldset/div/div/input", "xpath:position"]
  ],
```

```
"value": ""
}, {
 "id": "dd84cfa7-f7ba-4492-8857-68431fb29fe4",
 "comment": "",
 "command": "type",
 "target": "id=name",
 "targets": [
 ["id=name", "id"],
  ["name=name", "name"],
  ["css=#name", "css:finder"],
  ["xpath=//input[@id='name']", "xpath:attributes"],
 ["xpath=//div[2]/div/div[2]/form/fieldset/div/div/input", "xpath:position"]
],
 "value": "Shakibul Akash"
}, {
 "id": "d0d56d0f-297f-46f7-82aa-c5cb12addb6a",
 "comment": "",
 "command": "type",
 "target": "id=mob",
 "targets": [
 ["id=mob", "id"],
  ["name=mob", "name"],
  ["css=#mob", "css:finder"],
  ["xpath=//input[@id='mob']", "xpath:attributes"],
 ["xpath=//div[5]/div/input", "xpath:position"]
1,
 "value": "01771800270"
}, {
 "id": "9b726785-7ae3-4862-ab98-598c4f717ba7",
```

```
"comment": "",
 "command": "click",
 "target": "id=gender",
 "targets": [
  ["id=gender", "id"],
  ["name=gender", "name"],
  ["css=#gender", "css:finder"],
  ["xpath=//select[@id='gender']", "xpath:attributes"],
  ["xpath=//select", "xpath:position"]
1,
 "value": ""
}, {
 "id": "5cc6460b-c31a-44b9-b655-096d8f5abc46",
 "comment": "",
 "command": "select",
 "target": "id=gender",
 "targets": [],
 "value": "label=Male"
}, {
 "id": "fc0eef3d-9f61-4224-a7c1-1a71c1de67db",
 "comment": "",
 "command": "click",
 "target": "id=college",
 "targets": [
  ["id=college", "id"],
  ["name=college", "name"],
  ["css=#college", "css:finder"],
  ["xpath=//input[@id='college']", "xpath:attributes"],
  ["xpath=//div[3]/div/input", "xpath:position"]
```

```
1,
 "value": ""
}, {
 "id": "f628f2d9-f8c7-4a39-a2c8-63f832835346",
 "comment": "",
 "command": "type",
 "target": "id=college",
 "targets": [
  ["id=college", "id"],
  ["name=college", "name"],
  ["css=#college", "css:finder"],
  ["xpath=//input[@id='college']", "xpath:attributes"],
  ["xpath=//div[3]/div/input", "xpath:position"]
1,
 "value": "hatemali"
}, {
 "id": "8d127f93-108b-4c9b-b2c8-935f0dd6893d",
 "comment": "",
 "command": "click",
 "target": "css=.col-md-12 > #email",
 "targets": [
  ["css=.col-md-12 > #email", "css:finder"],
  ["xpath=(//input[@id='email'])[2]", "xpath:attributes"],
 ["xpath=//div[4]/div/input", "xpath:position"]
1,
 "value": ""
}, {
 "id": "0caf7572-47d8-4cb0-a3d9-5bf9c047bce6",
 "comment": "",
```

```
"command": "type",
 "target": "css=.col-md-12 > #email",
 "targets": [
  ["css=.col-md-12 > #email", "css:finder"],
  ["xpath=(//input[@id='email'])[2]", "xpath:attributes"],
  ["xpath=//div[4]/div/input", "xpath:position"]
],
 "value": "sakib.siam33@gmail.com"
}, {
 "id": "a67a19e8-c306-4958-a46b-2eb91e51a208",
 "comment": "",
 "command": "click",
 "target": "css=.col-md-12 > #password",
 "targets": [
  ["css=.col-md-12 > #password", "css:finder"],
  ["xpath=(//input[@id='password'])[2]", "xpath:attributes"],
  ["xpath=//div[6]/div/input", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "7796a3a2-49cc-4757-8501-e3eea2ebb933",
 "comment": "",
 "command": "type",
 "target": "css=.col-md-12 > #password",
 "targets": [
  ["css=.col-md-12 > #password", "css:finder"],
  ["xpath=(//input[@id='password'])[2]", "xpath:attributes"],
  ["xpath=//div[6]/div/input", "xpath:position"]
],
```

```
"value": "sakib10"
}, {
 "id": "622327d9-a467-4950-a3ae-d1e4d13c19fa",
 "comment": "",
 "command": "click",
 "target": "id=cpassword",
 "targets": [
 ["id=cpassword", "id"],
  ["name=cpassword", "name"],
  ["css=#cpassword", "css:finder"],
 ["xpath=//input[@id='cpassword']", "xpath:attributes"],
 ["xpath=//div[7]/div/input", "xpath:position"]
],
 "value": ""
}, {
 "id": "bc157f35-edea-400e-9c60-d5020af2e8b7",
 "comment": "",
 "command": "type",
 "target": "id=cpassword",
 "targets": [
 ["id=cpassword", "id"],
  ["name=cpassword", "name"],
  ["css=#cpassword", "css:finder"],
  ["xpath=//input[@id='cpassword']", "xpath:attributes"],
 ["xpath=//div[7]/div/input", "xpath:position"]
1,
 "value": "sakib10"
}, {
 "id": "192bf367-7fb5-4cf3-9fee-cf89df572851",
```

```
"comment": "",
   "command": "click",
   "target": "css=.sub",
   "targets": [
    ["css=.sub", "css:finder"],
    ["xpath=//input[@value='sign up']", "xpath:attributes"],
    ["xpath=//div[8]/div/input", "xpath:position"]
   ],
   "value": ""
  }]
 }],
 "suites": [{
  "id": "9df7b621-dd80-4a99-9f71-455d8a797755",
  "name": "Default Suite",
  "persistSession": false,
  "parallel": false,
  "timeout": 300,
  "tests": ["55c98640-50fa-4b7b-9580-cb1a8e008dc1"]
 }],
 "urls": ["http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-php-
master/"],
 "plugins": []
}
System Usage:
 "id": "47077781-8fe8-4aea-93bd-c20c9fdfaa8c",
 "version": "2.0",
 "name": "project",
```

```
"url": "http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-php-
master/account.php?q=1",
"tests": [{
  "id": "6770db0b-fb54-492f-9221-32ff93f50217",
  "name": "entry",
  "commands": [{
   "id": "1f419cf9-0911-4fdc-9b6f-c8be9e05d989",
   "comment": "",
   "command": "open",
   "target": "http://localhost/online-examination-systen-in-php-master/online-examination-systen-in-
php-master/account.php?q=1",
   "targets": [],
   "value": ""
  }, {
   "id": "6ed093f3-86c2-413a-91db-842157cc8f78",
   "comment": "",
   "command": "setWindowSize",
   "target": "786x816",
   "targets": [],
   "value": ""
  }, {
   "id": "98647062-f5f2-49c5-95bd-cccb315e8457",
   "comment": "",
   "command": "click",
   "target": "linkText=Restart",
   "targets": [
    ["linkText=Restart", "linkText"],
    ["css=tr:nth-child(2) .pull-right", "css:finder"],
    ["xpath=//a[contains(@href, 'update.php?q=quizre&step=25&eid=5589741f9ed52&n=1&t=5')]",
"xpath:href"],
```

```
["xpath=//b/a", "xpath:position"],
  ["xpath=//a[contains(.,' Restart')]", "xpath:innerText"]
1,
 "value": ""
}, {
 "id": "e0373326-bcda-4fd2-bfd1-aae95b5b6470",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
}, {
 "id": "3fc93e09-42e0-49bf-ae6f-61c0671399a1",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
1,
 "value": ""
}, {
 "id": "bac64e77-b11d-47de-b225-7728f6c8b937",
```

```
"comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
],
 "value": ""
}, {
 "id": "8ce2ce36-3885-4425-8d5e-1c29092ba04b",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
}, {
 "id": "540a508e-bbac-40d2-96ed-58663606a8ee",
 "comment": "",
 "command": "doubleClick",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
```

```
1,
 "value": ""
}, {
 "id": "8feacca0-40a7-4d38-adf3-b441becc8124",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
],
 "value": ""
}, {
 "id": "4935cfb9-bc57-40d0-9130-08add8168e43",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
}, {
 "id": "36f429a3-9249-465b-b0e2-d6dec725552a",
 "comment": "",
 "command": "click",
```

```
"target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
],
 "value": ""
}, {
 "id": "3880d6b4-46a4-4356-921f-8ec58bc85a2e",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "364b98b5-28a3-4444-abd5-183fce75f271",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
```

```
1,
 "value": ""
}, {
 "id": "c1d6a7a2-09c9-45ab-aa43-84bfec08a5b5",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(6)",
 "targets": [
  ["css=.btn:nth-child(6)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
],
 "value": ""
}, {
 "id": "f0b6485a-7495-4573-8370-c2dc13777972",
 "comment": "",
 "command": "click",
 "target": "css=li:nth-child(1) > a",
 "targets": [
  ["css=li:nth-child(1) > a", "css:finder"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li/a", "xpath:idRelative"],
  ["xpath=(//a[contains(@href, 'account.php?q=1')])[2]", "xpath:href"],
  ["xpath=//li/a", "xpath:position"]
1,
 "value": ""
}, {
 "id": "5665e6a1-6e7e-4e77-9552-7e58674ed5c7",
 "comment": "",
```

```
"command": "click",
 "target": "css=tr:nth-child(3) .pull-right b",
 "targets": [
  ["css=tr:nth-child(3) .pull-right b", "css:finder"],
  ["xpath=//tr[3]/td[6]/b/a/span[2]/b", "xpath:position"]
],
 "value": ""
}, {
 "id": "9a5b49af-ccc0-4bac-91f4-83ea834ff1ae",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
 ],
 "value": ""
}, {
 "id": "ca42083d-e434-4a43-9e98-84294cda1371",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
],
```

```
"value": ""
}, {
 "id": "6b3a47aa-0c5d-419d-ac5d-88b7ce8431ad",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
}, {
 "id": "3815c0cd-0b7b-482d-9a7f-50e2834a4b66",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
1,
 "value": ""
}, {
 "id": "e1ea3d12-b728-41b9-9185-c74d8165e1f9",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
```

```
"targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
],
 "value": ""
}, {
 "id": "65fbae66-0531-4240-af0c-6cba9c4050f4",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
],
 "value": ""
}, {
 "id": "2a1a0bac-d5a5-469f-b263-283712499265",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
```

```
}, {
   "id": "6d6fee93-d92f-4593-b33d-30b456f272a1",
   "comment": "",
   "command": "click",
   "target": "css=.btn:nth-child(15)",
   "targets": [
    ["css=.btn:nth-child(15)", "css:finder"],
    ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
    ["xpath=//div/div/div/form/button", "xpath:position"],
    ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
  1,
   "value": ""
  }, {
   "id": "eecfd5f3-ee81-4754-bb43-50855b3e3aa4",
   "comment": "",
   "command": "click",
   "target": "css=.form-horizontal",
   "targets": [
    ["css=.form-horizontal", "css:finder"],
["xpath=//form[@action='update.php?q=quiz&step=2&eid=55897338a6659&n=5&t=5&qid=558973f5a
bb1a']", "xpath:attributes"],
    ["xpath=//div/div/form", "xpath:position"]
  1,
   "value": ""
  }, {
   "id": "f914e3ff-3c91-4cb9-9876-cc84897786a3",
   "comment": "",
   "command": "click",
```

```
"target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
],
 "value": ""
}, {
 "id": "81a36f0a-0d88-4d8b-bc2c-e40551546cd7",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
 1,
 "value": ""
}, {
 "id": "58e5f23e-a8cd-4a6f-980b-3655ffc1acfa",
 "comment": "",
 "command": "click",
 "target": "css=li:nth-child(1) > a",
 "targets": [
  ["css=li:nth-child(1) > a", "css:finder"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li/a", "xpath:idRelative"],
  ["xpath=(//a[contains(@href, 'account.php?q=1')])[2]", "xpath:href"],
  ["xpath=//li/a", "xpath:position"]
```

```
1,
 "value": ""
}, {
 "id": "fd34a9df-7481-4536-9119-4d566ab9be84",
 "comment": "",
 "command": "click",
 "target": "css=tr:nth-child(4) .pull-right b",
 "targets": [
  ["css=tr:nth-child(4) .pull-right b", "css:finder"],
  ["xpath=//tr[4]/td[6]/b/a/span[2]/b", "xpath:position"]
1,
 "value": ""
}, {
 "id": "324297df-0f3b-4a0b-8121-39f699558798",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
 ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
}, {
 "id": "eb79a550-f982-4fa3-82a5-65b3b6a690d9",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
```

```
["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
],
 "value": ""
}, {
 "id": "6372aa39-060d-4393-a258-25f8d3d8ca95",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "074d0f1c-de8c-4bdb-bd22-ef33e223822a",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
1,
 "value": ""
```

```
}, {
 "id": "2774df01-556c-4e13-9127-c3a66ba50ca1",
 "comment": "",
 "command": "click",
 "target": "css=li:nth-child(1) > a",
 "targets": [
  ["css=li:nth-child(1) > a", "css:finder"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li/a", "xpath:idRelative"],
  ["xpath=(//a[contains(@href, 'account.php?q=1')])[2]", "xpath:href"],
  ["xpath=//li/a", "xpath:position"]
1,
 "value": ""
}, {
 "id": "da7b2353-7f41-4a22-a311-7325cc0339b7",
 "comment": "",
 "command": "click",
 "target": "css=tr:nth-child(5) .pull-right b",
 "targets": [
  ["css=tr:nth-child(5) .pull-right b", "css:finder"],
  ["xpath=//tr[5]/td[6]/b/a/span[2]/b", "xpath:position"]
1,
 "value": ""
}, {
 "id": "07e51881-4bc2-4517-8186-13de95e1978a",
 "comment": "",
 "command": "click",
 "target": "css=.form-horizontal",
 "targets": [
  ["css=.form-horizontal", "css:finder"],
```

["xpath=//form[@action='update.php?q=quiz&step=2&eid=5589222f16b93&n=1&t=2&qid=558922894c 453']", "xpath:attributes"], ["xpath=//div/div/form", "xpath:position"]

```
1,
 "value": ""
}, {
 "id": "bc8c6656-cf83-4a37-897d-82685ae4bd81",
 "comment": "",
 "command": "click",
 "target": "css=.form-horizontal > input:nth-child(5)",
 "targets": [
  ["css=.form-horizontal > input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "8c3b12ab-8f63-41f5-8fa6-a0430425c074",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(3)",
 "targets": [
  ["css=.btn:nth-child(3)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
 1,
 "value": ""
}, {
```

```
"id": "fc516190-dda2-4a95-861c-af71dad14ce7",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
],
 "value": ""
}, {
 "id": "e661d92a-1d7b-4a75-abf9-fa1305f761b3",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
}, {
 "id": "4064575a-d4e0-4c06-b499-88fb8c35a2c6",
 "comment": "",
 "command": "doubleClick",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
```

```
["xpath=//input[2]", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "7b674429-fcd5-447a-b82a-205b1115871f",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
1,
 "value": ""
}, {
 "id": "40f5b5bc-e6f8-4cd2-a720-6304724adc60",
 "comment": "",
 "command": "click",
 "target": "css=li:nth-child(1) > a",
 "targets": [
  ["css=li:nth-child(1) > a", "css:finder"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li/a", "xpath:idRelative"],
  ["xpath=(//a[contains(@href, 'account.php?q=1')])[2]", "xpath:href"],
  ["xpath=//li/a", "xpath:position"]
1,
 "value": ""
}, {
 "id": "3442d8df-1f24-4e9d-af33-6e2a905056cc",
```

```
"comment": "",
 "command": "click",
 "target": "css=tr:nth-child(6) .pull-right b",
 "targets": [
  ["css=tr:nth-child(6) .pull-right b", "css:finder"],
  ["xpath=//tr[6]/td[6]/b/a/span[2]/b", "xpath:position"]
],
 "value": ""
}, {
 "id": "8e21eb25-9d53-440a-b3ad-75b7c2fc521f",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "c48bd700-f964-4c80-a720-39375295557e",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
```

```
1,
 "value": ""
}, {
 "id": "7a9bcd08-7df2-49d9-a2df-e5782457da1b",
 "comment": "",
 "command": "click",
 "target": "css=input:nth-child(5)",
 "targets": [
  ["css=input:nth-child(5)", "css:finder"],
  ["xpath=(//input[@name='ans'])[2]", "xpath:attributes"],
  ["xpath=//input[2]", "xpath:position"]
1,
 "value": ""
}, {
 "id": "b6ae2020-f8c0-4a68-b85c-7625c5d3ccf2",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
1,
 "value": ""
}, {
 "id": "ab0b6167-9578-470a-99a0-8488d8143278",
 "comment": "",
 "command": "click",
```

```
"target": "css=li:nth-child(1) > a",
   "targets": [
    ["css=li:nth-child(1) > a", "css:finder"],
    ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li/a", "xpath:idRelative"],
    ["xpath=(//a[contains(@href, 'account.php?q=1')])[2]", "xpath:href"],
    ["xpath=//li/a", "xpath:position"]
   ],
   "value": ""
  }, {
   "id": "24746339-92ec-4dd9-9b49-4a18d2f921ee",
   "comment": "",
   "command": "click",
   "target": "css=tr:nth-child(7) .pull-right b",
   "targets": [
    ["css=tr:nth-child(7) .pull-right b", "css:finder"],
    ["xpath=//tr[7]/td[6]/b/a/span[2]/b", "xpath:position"]
   1,
   "value": ""
  }, {
   "id": "78d9a2a2-3994-44fc-a622-1b8f0798777c",
   "comment": "",
   "command": "click",
   "target": "css=.form-horizontal",
   "targets": [
    ["css=.form-horizontal", "css:finder"],
["xpath=//form[@action='update.php?q=quiz\&step=2\&eid=558920ff906b8\&n=1\&t=2\&qid=55892169bf] \\
6a7']", "xpath:attributes"],
    ["xpath=//div/div/form", "xpath:position"]
```

```
1,
 "value": ""
}, {
 "id": "98d684e4-b2a8-4499-841b-911cdc210346",
 "comment": "",
 "command": "click",
 "target": "name=ans",
 "targets": [
  ["name=ans", "name"],
  ["css=input:nth-child(2)", "css:finder"],
  ["xpath=//input[@name='ans']", "xpath:attributes"],
  ["xpath=//form/input", "xpath:position"]
],
 "value": ""
}, {
 "id": "cee8dd2f-4683-4299-8d2d-635767cd4f7b",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
1,
 "value": ""
}, {
 "id": "cd0f980d-b94f-470d-b147-2ba549424cf9",
 "comment": "",
```

```
"command": "click",
 "target": "name=ans",
 "targets": [
  ["name=ans", "name"],
  ["css=input:nth-child(2)", "css:finder"],
  ["xpath=//input[@name='ans']", "xpath:attributes"],
  ["xpath=//form/input", "xpath:position"]
],
 "value": ""
}, {
 "id": "2a9ed1e6-130e-49b2-bd85-f0c5420214a0",
 "comment": "",
 "command": "click",
 "target": "css=.btn:nth-child(15)",
 "targets": [
  ["css=.btn:nth-child(15)", "css:finder"],
  ["xpath=(//button[@type='submit'])[2]", "xpath:attributes"],
  ["xpath=//div/div/form/button", "xpath:position"],
  ["xpath=//button[contains(.,' Submit')]", "xpath:innerText"]
1,
 "value": ""
}, {
 "id": "a4dd067e-4c0f-4686-aa7d-35694432b331",
 "comment": "",
 "command": "click",
 "target": "css=li:nth-child(1) > a",
 "targets": [
  ["css=li:nth-child(1) > a", "css:finder"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li/a", "xpath:idRelative"],
```

```
["xpath=(//a[contains(@href, 'account.php?q=1')])[2]", "xpath:href"],
  ["xpath=//li/a", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "26754b51-6b54-4b21-83f7-51c65542d269",
 "comment": "",
 "command": "click",
 "target": "linkText=History",
 "targets": [
  ["linkText=History", "linkText"],
  ["css=li:nth-child(2) > a", "css:finder"],
  ["xpath=//a[contains(text(),'History')]", "xpath:link"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li[2]/a", "xpath:idRelative"],
  ["xpath=//a[contains(@href, 'account.php?q=2')]", "xpath:href"],
  ["xpath=//li[2]/a", "xpath:position"],
  ["xpath=//a[contains(.,' History')]", "xpath:innerText"]
 1,
 "value": ""
}, {
 "id": "0911ba99-3338-4a54-883b-be286544082e",
 "comment": "",
 "command": "click",
 "target": "linkText=Ranking",
 "targets": [
  ["linkText=Ranking", "linkText"],
  ["css=li:nth-child(3) > a", "css:finder"],
  ["xpath=//a[contains(text(),'Ranking')]", "xpath:link"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li[3]/a", "xpath:idRelative"],
```

```
["xpath=//a[contains(@href, 'account.php?q=3')]", "xpath:href"],
  ["xpath=//li[3]/a", "xpath:position"],
  ["xpath=//a[contains(.,' Ranking')]", "xpath:innerText"]
 1,
 "value": ""
}, {
 "id": "c386014d-4ab8-4554-8985-07b197ef463c",
 "comment": "",
 "command": "click",
 "target": "css=.navbar-form .form-control",
 "targets": [
  ["css=.navbar-form.form-control", "css:finder"],
  ["xpath=//input[@type='text']", "xpath:attributes"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/form/div/input", "xpath:idRelative"],
  ["xpath=//input", "xpath:position"]
 1,
 "value": ""
}, {
 "id": "df96a046-239a-466b-b7b7-ea2afa3a4236",
 "comment": "",
 "command": "type",
 "target": "css=.navbar-form .form-control",
 "targets": [
  ["css=.navbar-form.form-control", "css:finder"],
  ["xpath=//input[@type='text']", "xpath:attributes"],
  ["xpath=//div[@id='bs-example-navbar-collapse-1']/form/div/input", "xpath:idRelative"],
  ["xpath=//input", "xpath:position"]
 1,
 "value": "Sunny"
```

```
}, {
  "id": "74ae2355-44a3-4103-978e-a68ba03161d1",
  "comment": "",
  "command": "sendKeys",
  "target": "css=.navbar-form .form-control",
  "targets": [
   ["css=.navbar-form .form-control", "css:finder"],
   ["xpath=//input[@type='text']", "xpath:attributes"],
   ["xpath=//div[@id='bs-example-navbar-collapse-1']/form/div/input", "xpath:idRelative"],
   ["xpath=//input", "xpath:position"]
  1,
  "value": "${KEY_ENTER}"
 }, {
  "id": "ce2a0f6a-f6e9-4ae7-aa55-fd196724f4f6",
  "comment": "",
  "command": "click",
  "target": "css=li:nth-child(1) > a",
  "targets": [
   ["css=li:nth-child(1) > a", "css:finder"],
   ["xpath=//div[@id='bs-example-navbar-collapse-1']/ul/li/a", "xpath:idRelative"],
   ["xpath=(//a[contains(@href, 'account.php?q=1')])[2]", "xpath:href"],
   ["xpath=//li/a", "xpath:position"]
  1,
  "value": ""
 }]
}],
"suites": [{
 "id": "3cfb2eef-10d6-4822-b2db-9e783b084bcc",
 "name": "Default Suite",
```

```
"persistSession": false,
    "parallel": false,
    "timeout": 300,
    "tests": ["6770db0b-fb54-492f-9221-32ff93f50217"]
}],
    "urls": ["http://localhost/online-examination-systen-in-php-master/account.php?q=1"],
    "plugins": []
}
```