
Casual Jobs Database V.1

Testing Report

Non-Functional Testing



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Testing report:

Non-Functional Testing:

NON-FUNCTIONAL TESTING is defined as a type of Software testing to check non-functional aspects (performance, usability, reliability, etc) of a software application. It is designed to test the readiness of a system as per non-functional parameters which are never addressed by functional testing. In this non-functional testing, we are covering the below mentioned tests:

- Security Testing
- Usability Testing
- Scalability Testing
- Efficiency Testing
- Flexibility Testing
- Portability Testing

Security Testing:

This web application checks with multiple security vulnerability scanners. Further, the system uses cloud flare SSL certificates to encrypt data transfers between user and the system.

Test condition 1: Security Testing

Table 1: Security Testing						
Case ID	Scenario	Steps	Test Data	Expected Result	Actual Result	Pass/Fail
TC1.1	Try to directly access www/addjob web page without login to the system and verify that the system should restrict you to login page	Go to: https://sinergy.lk , and type addjob in the address bar	Type event	It should take to login page	As expected	PASS
TC1.2	Try to directly access www/addprofile web page without login to the system and verify that the system should	Go to: https://sinergy.lk , and type addprofile in the address bar	Type event	It should take to login page	As expected	PASS

	restrict you to login page					
TC1.3	Try to directly access www/Editjob web page without login to the system and verify that the system should restrict you to login page	Go to: https://sinergy.lk , and type Editjob in the address bar	Type event	It should take to login page	As expected	PASS
TC1.4	Try to directly access www/Editjobprofile web page without login to the system and verify that the system should restrict you to login page	Go to: https://sinergy.lk , and type Editjobprofile in the address bar	Type event	It should take to login page	As expected	PASS
TC1.5	Try to directly access www/Editprofile web page without login to the system and verify that the system should restrict you to login page	Go to: https://sinergy.lk , and type Editprofile in the address bar	Type event	It should take to login page	As expected	PASS
TC1.6	Try to directly access www/Employer web page without login to the system and verify that the system should restrict you to login page	Go to: https://sinergy.lk , and type Employer in the address bar	Type event	It should take to login page	As expected	PASS
TC1.7	Try to directly access www/Matchedjobs web page without login to the system and verify that the system should	Go to: https://sinergy.lk , and type Matchedjobs in the address bar	Type event	It should take to login page	As expected	PASS

	restrict you to login page					
TC1.8	Try to directly access www/Matchedprofiles web page without login to the system and verify that the system should restrict you to login page	Go to: https://sinergy.lk , and type Matchedprofiles in the address bar	Type event	It should take to login page	As expected	PASS
TC1.9	Try to directly access www/Seeker web page without login to the system and verify that the system should restrict you to login page	Go to: https://sinergy.lk , and type Seeker in the address bar	Type event	It should take to login page	As expected	PASS
TC1.10	Verify that previous accessed pages should not accessible after log out	Sign out and then press the Back button to access the page accessed before	Click event	It should take to login page	As expected	PASS
TC1.11	Verify whether the sensitive information such as passwords displayed or not	It should not get displayed in the input box when typing. They should be encrypted and in Asterix format.	Type event	Passwords should be in Asterix format	As expected	PASS
TC1.12	Check the SSL certificates.	It should apply automatically when the web site loads.	Click event	SSL certificate displays in the screen	As expected	PASS
TC1.13	Verify the timeout condition after 48 hours	After timeout, user should not able to navigate through the pages except home page, about us and contact us.	Click event	It should take to login page	As expected	PASS
TC1.14	Verify that login information should be written to the log files	Go to database and click loglogin	Click event	It should take loglogin page in database	As expected	PASS

TC1.1 5	Verify SSL that the encryption and integrity of the information	Go to SSL Labs and check	Click event	It should show the grades	As expected	PASS
TC1.1 6	Verify employer or job seeker can access only the respective page	Go to: https://sinergy.lk and check whether you can access it	Click event	You are not allowed to access this feature	As expected	PASS



Figure 1 - TC1.1

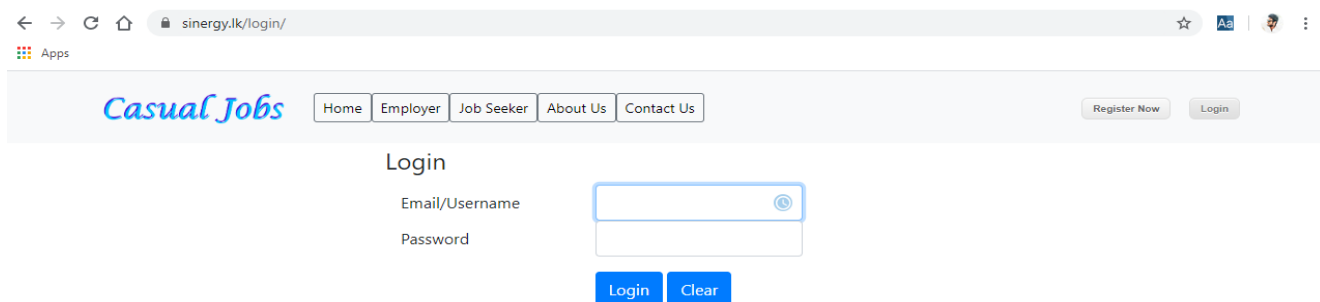


Figure 2 - TC1.1

https://sinergy.lk/addprofile

Inland Revenue - A... WhatsApp Part Time Jobs in Al... Trade Me Jobs - Se... Prime Video WelTec Moodle: Lo... Scope Statement Te... Oreilly online books

Casual Jobs Home Employer Job Seeker About Us Contact Us Register Now Login

Login

Email/Username

Password

Login

Clear

Figure 3 -TC1.2

sinergy.lk/login/

Inland Revenue - A... WhatsApp Part Time Jobs in Al... Trade Me Jobs - Se... Prime Video WelTec Moodle: Lo... Scope Statement Te... Oreilly online books

Casual Jobs Home Employer Job Seeker About Us Contact Us Register Now Login

Login

Email/Username

Password

Login

Clear

Figure 4 - TC1.2

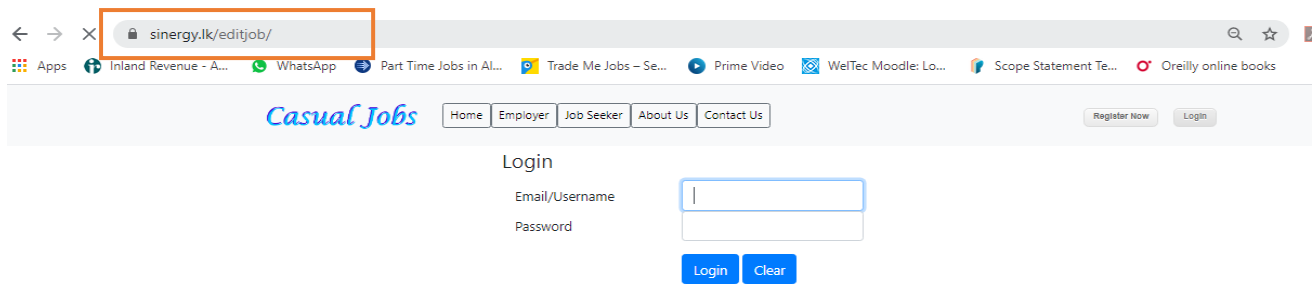


Figure 5 – TC1.3

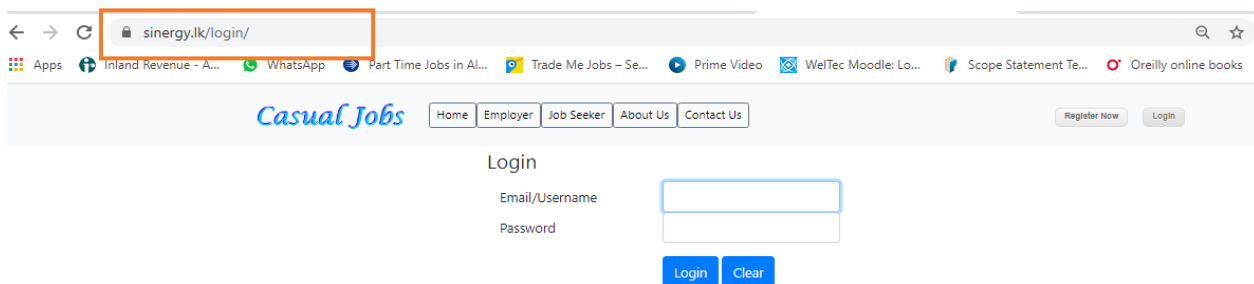


Figure 6 – TC1.3

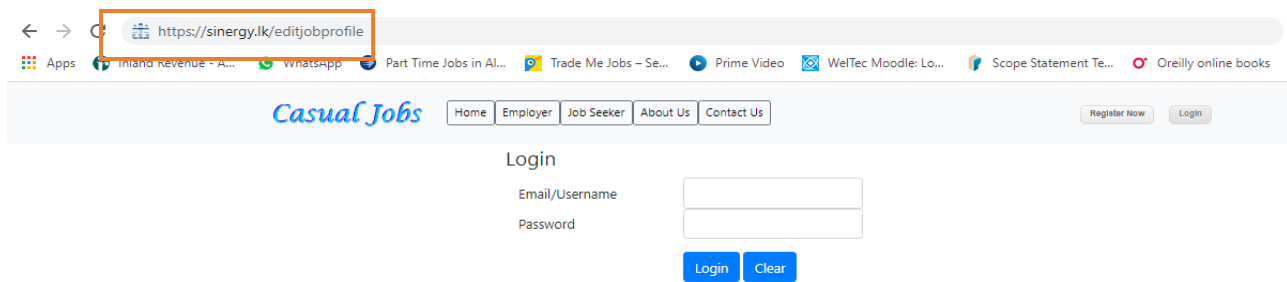


Figure 7 - TC1.4

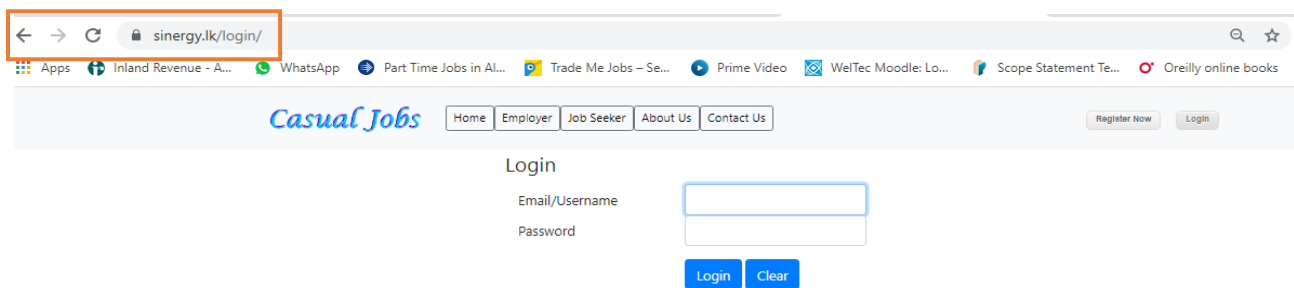


Figure 8 - TC1.4

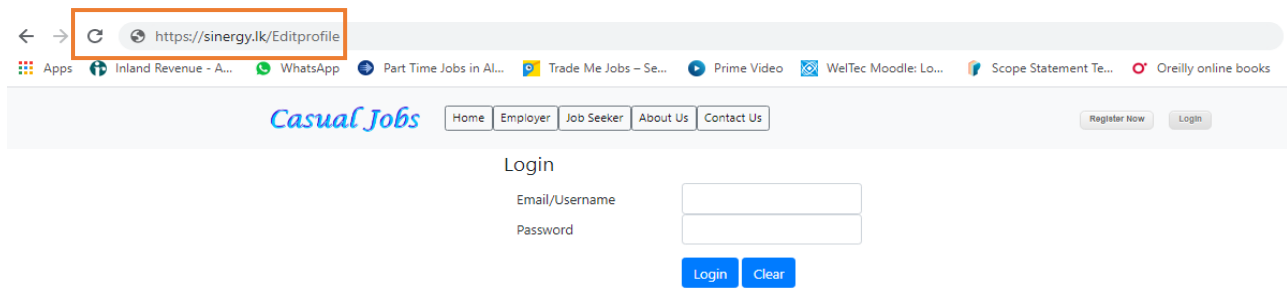


Figure 9 - TC1.5

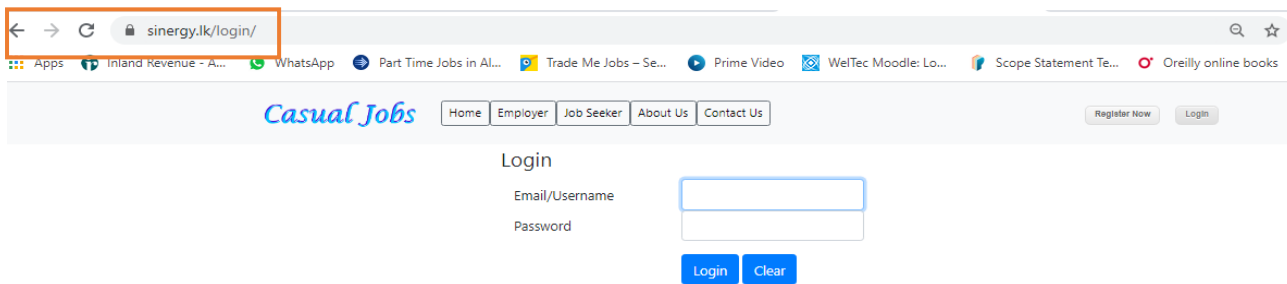


Figure 10 - TC1.5

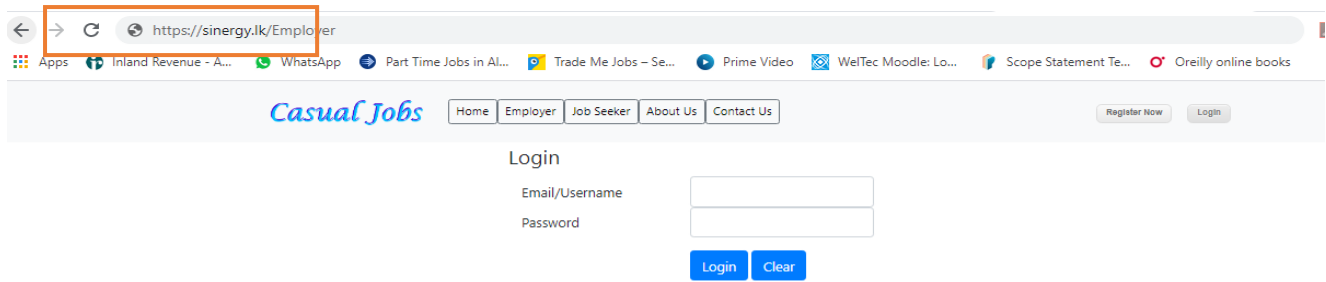


Figure 11 - TC1.6

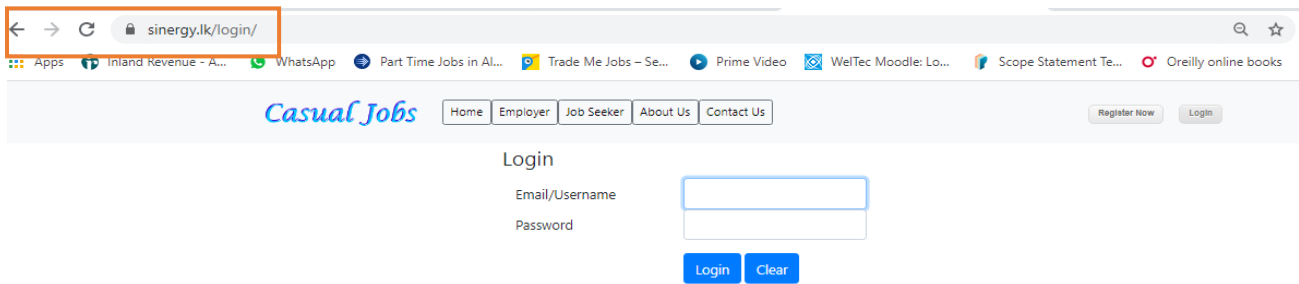
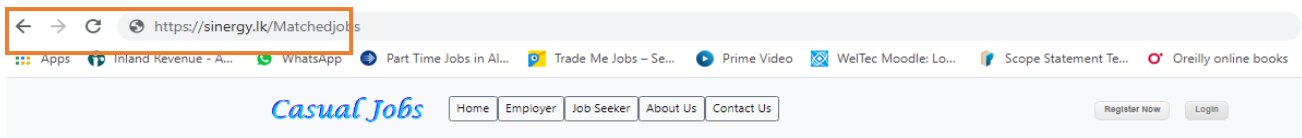


Figure 12 - TC1.6

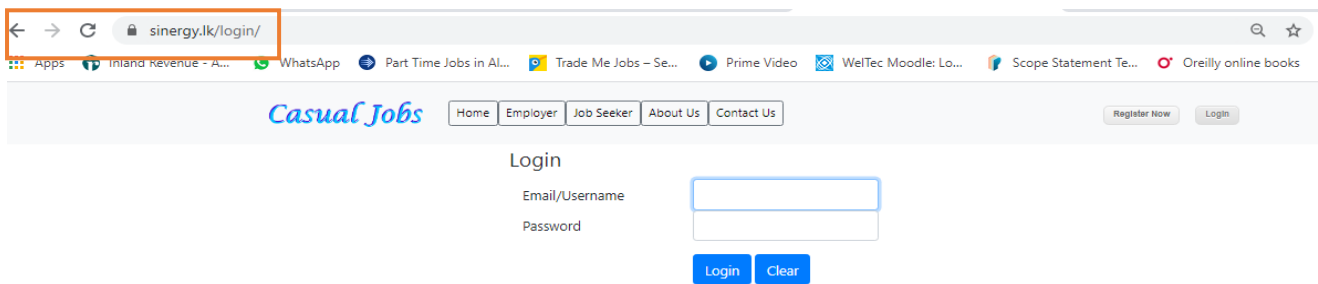


Login

Email/Username

Password

Figure 13 - TC1.7



Login

Email/Username

Password

Figure 14 - TC1.7

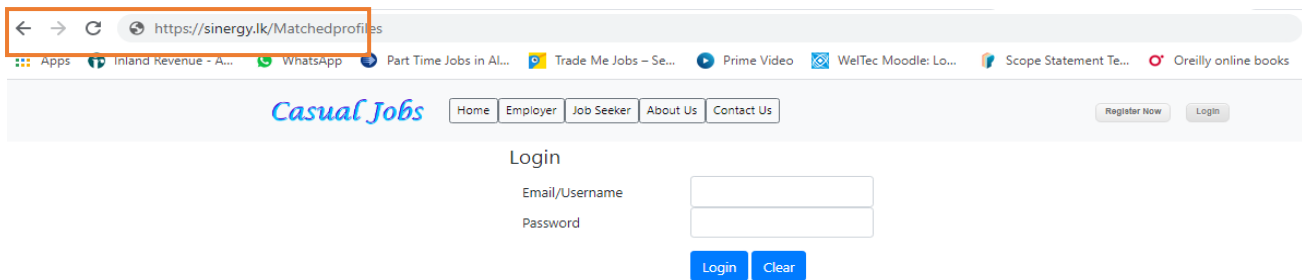


Figure 15 - TC1.8

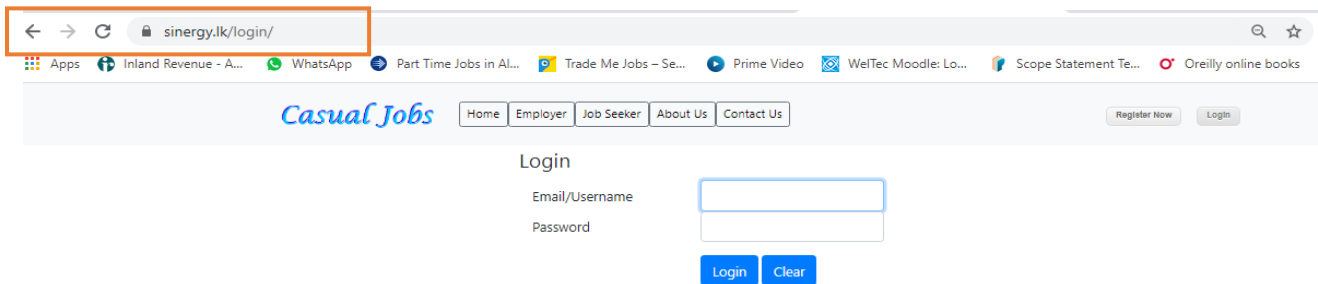


Figure 16 - TC1.8

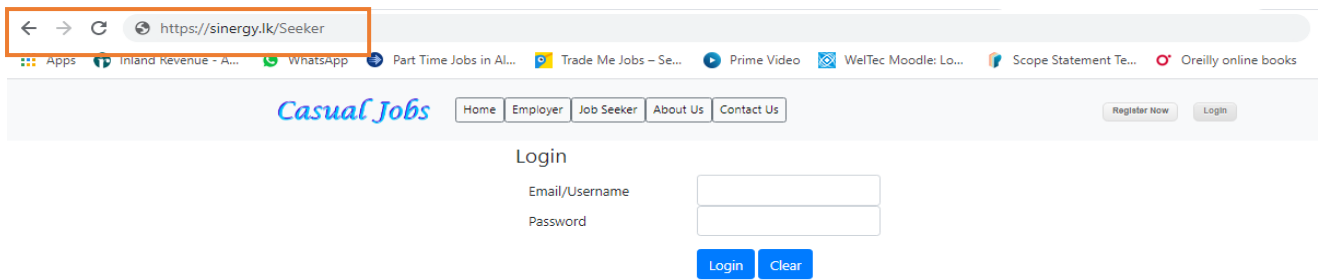


Figure 17 - TC1.9

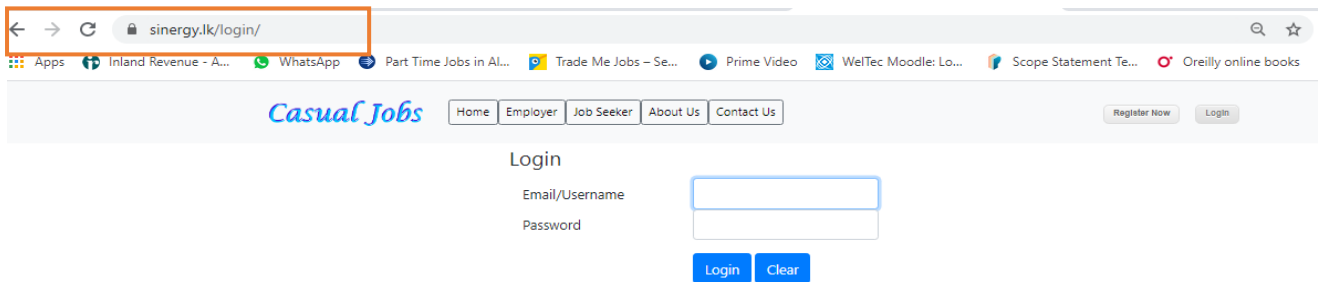


Figure 18 - TC1.9

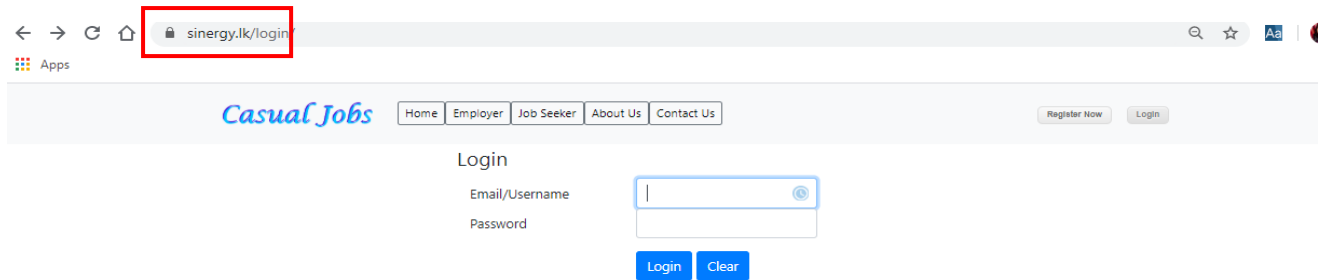


Figure 19 TC1.10

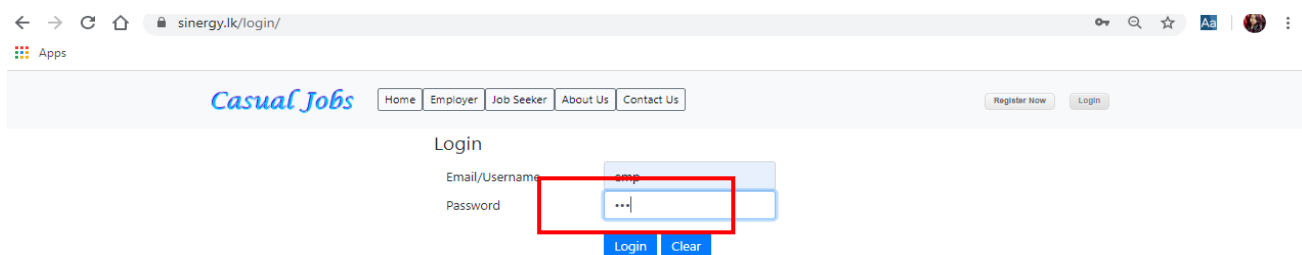


Figure 20 TC1.11

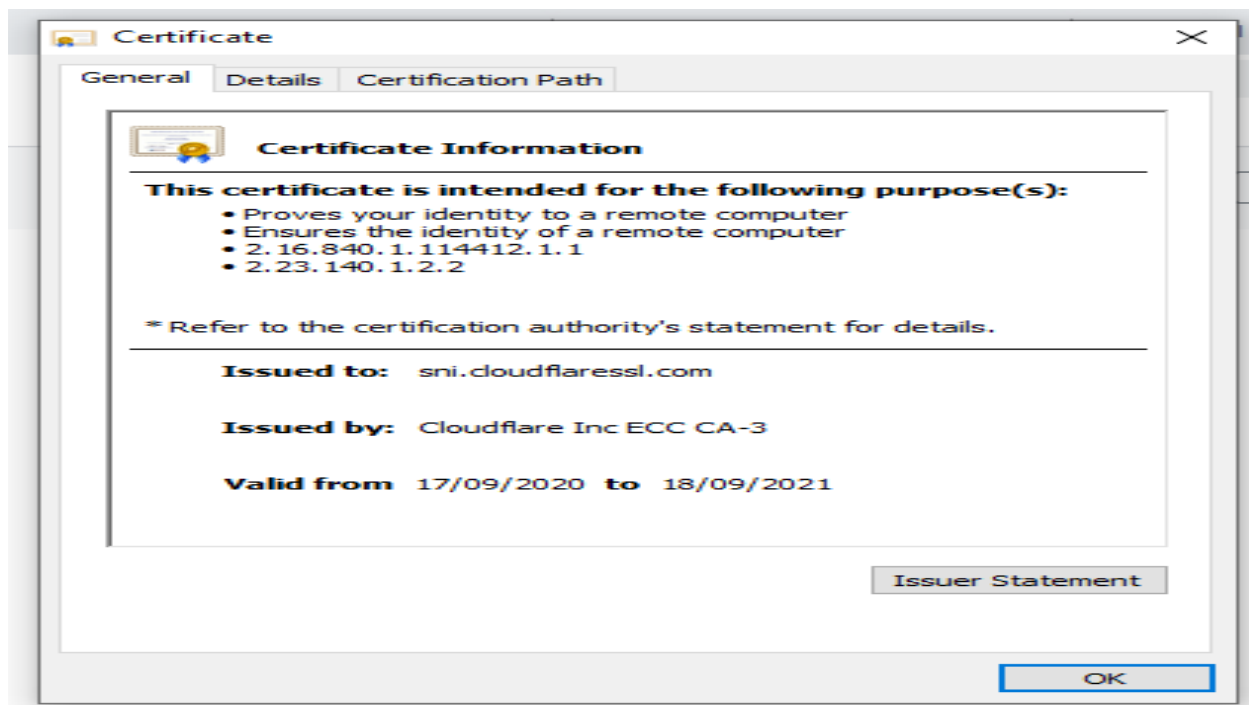


Figure 21 TC1.12

Elements Console Sources Network Performance Memory Application **Security** X Lighthouse Augury Adblock Plus

Overview

Main origin (secure)

- https://sinergy.lk

Secure origins

- https://cdnjs.cloudflare.com
- https://cdn.datatables.net
- https://maxcdn.bootstrapcdn.com
- https://code.jquery.com
- https://ajax.googleapis.com
- https://stackpath.bootstrapcdn.com
- https://use.fontawesome.com
- chrome-extension://elgalmkoelokbchhkhacckoklkejhcd

Security overview

This page is secure (valid HTTPS).

- Certificate - valid and trusted**
The connection to this site is using a valid, trusted server certificate issued by Cloudflare Inc ECC CA-3.
[View certificate](#)
- Connection - secure connection settings**
The connection to this site is encrypted and authenticated using TLS 1.3, X25519, and AES_128_GCM.
- Resources - all served securely**
All resources on this page are served securely.

← → ↻ 🏠 **sinergy.lk/login/**

Apps Login

Casual Jobs Home Employer Job Seeker About Us Contact Us Register Now Login

Login

Email/Username

Password

Login

Clear

Figure 22 TC1.13

Recent Favorites

- information_schema
- sinergy_l_casualjobs
 - New
 - job
 - jobmatch
 - jobtitle
 - locations
 - locations_sub
 - login
 - profile
 - profilemultijobtitles
 - profilemultilocationsub
 - register
 - tags
 - timediffjobs
 - timediffprofiles
 - sinergy_l_em/lectrical.com.au
 - sinergy_l_snk
 - sinergy_l_synergy

		id	username	ipAddress	browser	os	userAgent	logType	sync	timeStamp
<input type="checkbox"/>	Edit Copy Delete	151	Willard Carroll Smith	198.41.238.50	Handheld Browser	iPhone	Mozilla/5.0 (iPhone; CPU iPhone OS 14_0 like Mac OS...)	login	1	2020-09-28 07:54:38
<input type="checkbox"/>	Edit Copy Delete	152	Priyanka Chopra	198.41.238.50	Handheld Browser	iPhone	Mozilla/5.0 (iPhone; CPU iPhone OS 14_0 like Mac OS...)	login	1	2020-09-28 07:58:13
<input type="checkbox"/>	Edit Copy Delete	153	Woolworths Supermarket	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 08:35:07
<input type="checkbox"/>	Edit Copy Delete	154	Willard Carroll Smith	198.41.238.50	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 08:37:02
<input type="checkbox"/>	Edit Copy Delete	155	Woolworths Supermarket	198.41.238.106	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 09:14:42
<input type="checkbox"/>	Edit Copy Delete	156	Priyanka Chopra	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 09:28:25
<input type="checkbox"/>	Edit Copy Delete	157	John Cena	198.41.238.126	Handheld Browser	iPhone	Mozilla/5.0 (iPhone; CPU iPhone OS 14_0 like Mac OS...)	login	1	2020-09-28 09:44:09
<input type="checkbox"/>	Edit Copy Delete	158	Priyanka Chopra	198.41.238.92	Handheld Browser	iPhone	Mozilla/5.0 (iPhone; CPU iPhone OS 14_0 like Mac OS...)	login	1	2020-09-28 14:31:27
<input type="checkbox"/>	Edit Copy Delete	159	Woolworths Supermarket	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 18:17:29
<input type="checkbox"/>	Edit Copy Delete	160	Priyanka Chopra	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 18:17:47
<input type="checkbox"/>	Edit Copy Delete	161	John Cena	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 18:19:25
<input type="checkbox"/>	Edit Copy Delete	162	Woolworths Supermarket	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 18:23:36
<input type="checkbox"/>	Edit Copy Delete	163	Priyanka Chopra	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 18:25:16
<input type="checkbox"/>	Edit Copy Delete	164	Woolworths Supermarket	198.41.238.126	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-28 18:54:46
<input type="checkbox"/>	Edit Copy Delete	165	Woolworths Supermarket	198.41.238.92	Chrome	Windows 10	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.0.0 Safari/537.36	login	1	2020-09-29 02:20:44

Figure 23 TC1.14

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SSL Report: synergy.lk

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	Server	Test time	Grade
1	104.24.119.153 Ready	Wed, 30 Sep 2020 00:11:04 UTC Duration: 71.652 sec	B
2	104.24.118.153 Ready	Wed, 30 Sep 2020 00:12:16 UTC Duration: 61.853 sec	B
3	2606:4700:3037:0:0:0:ac43:bb61 Ready	Wed, 30 Sep 2020 00:13:18 UTC Duration: 59.391 sec	B
4	172.67.187.97 Ready	Wed, 30 Sep 2020 00:14:17 UTC Duration: 60.407 sec	B
5	2606:4700:3031:0:0:0:6818:7799 Ready	Wed, 30 Sep 2020 00:15:18 UTC Duration: 57.904 sec	B
6	2606:4700:3037:0:0:0:6818:7699 Ready	Wed, 30 Sep 2020 00:16:16 UTC Duration: 57.839 sec	B

SSL Report v2.1.7

Figure 24 TC1.15



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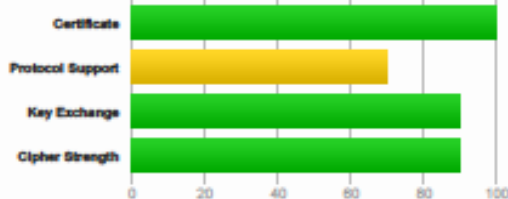
SSL Report: [sinergy.lk](#) (104.24.119.153)

Assessed on: Wed, 30 Sep 2020 00:17:14 UTC | [Hide](#) | [Clear cache](#)

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Summary

Overall Rating



Visit our [documentation page](#) for more information, configuration guides, and books. Known issues are documented [here](#).

This server supports TLS 1.0 and TLS 1.1. Grade capped to B. [MORE INFO »](#)

This site works only in browsers with SNI support.

This server supports TLS 1.3.

Certificate #1: EC 256 bits (SHA256withECDSA)



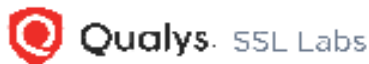
Server Key and Certificate #1

Subject	sin.cloudflare.com Fingerprint SHA256: 1a5e38b4c0c03c3886d9e47ab4732afe96db4e595bdb09620796d4475 Pin SHA256: aHdglyM3tG07ePGT76tY05S0uqjX0EOCTE8WJ4eww
Common names	sin.cloudflare.com
Alternative names	sinergy.lk sin.cloudflare.com *.sinergy.lk
Serial Number	0b3828c85f025d440b2258e395d849f2
Valid from	Thu, 17 Sep 2020 00:00:00 UTC
Valid until	Fri, 17 Sep 2021 12:00:00 UTC (expires in 11 months and 18 days)
Key	EC 256 bits
Weak key (Debian)	No
Issuer	Cloudflare Inc ECC CA-3 AIA: http://cacerts.digicert.com/CloudflareIncECCCA-3.crt
Signature algorithm	SHA256withECDSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation Information	CRL, OCSP CRL: http://crl3.digicert.com/CloudflareIncECCCA-3.crl OCSP: http://ocsp.digicert.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	2 (2198 bytes)
Chain issues	None



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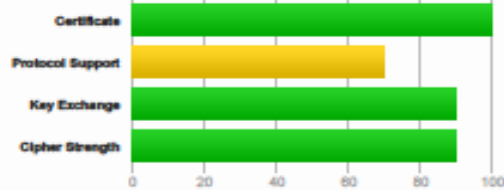
SSL Report: [synergy.lk](#) (104.24.118.153)

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Summary

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This server supports TLS 1.0 and TLS 1.1. Grade capped to B. [More Info »](#)

This site works only in browsers with SNI support.

This server supports TLS 1.3.

Certificate #1: EC 256 bits (SHA256withECDSA)



Server Key and Certificate #1

Subject	*.cloudflarest.com Fingerprint: SHA256: 1a5e28b40c000c3880d90a27ab4732afed99db4e52bcb0082979d04475 Pin SHA256: aHdqlM3HGO7sPGT70X1CD5GQxtp3XQEQT8NU4ew+
Common names	*.cloudflarest.com
Alternative names	synergy.lk *.cloudflarest.com *.synergy.lk
Serial Number	0b3528c55d25d440b2256a395d849d2
Valid from	Thu, 17 Sep 2020 00:00:00 UTC
Valid until	Fri, 17 Sep 2021 12:00:00 UTC (expires in 11 months and 18 days)
Key	EC 256 bits
Weak key (Debian)	No
Issuer	Cloudflare Inc ECC CA-3 AIA: http://cacerts.digicert.com/CloudflareIncECCCA-3.crt
Signature algorithm	SHA256withECDSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation Information	CRL, OCSP CRL: http://crl3.digicert.com/CloudflareIncECCCA-3.crl OCSP: http://ocsp.digicert.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	2 (2196 bytes)
Chain Issues	None



You are here: [Home](#) > [Projects](#) > [SSL Server Test](#) > [sinergy.lk](#) > 2606:4700:3037:0:0:0:ac43:bb61

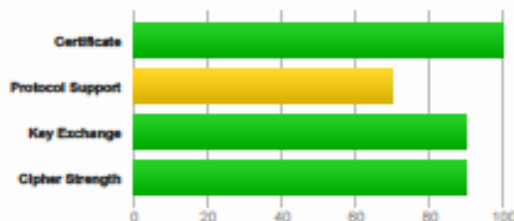
SSL Report: [sinergy.lk](#) (2606:4700:3037:0:0:0:ac43:bb61)

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This server supports TLS 1.3.

Certificate #1: EC 256 bits (SHA256withECDSA)



Server Key and Certificate #1

Subject	*.cloudflarest.com Fingerprint SHA256: 1a5e28b40c000c3880d90e47ab4732afed96b6e4e93db036920795d04475 Pin SHA256: aHdqlyM31G0G7ePGT7X1YCB9QvdpX3QEQTE8WJ4eww
Common names	*.cloudflarest.com
Alternative names	sinergy.lk *.cloudflarest.com *.sinergy.lk
Serial Number	0b3628c55fd254440b2256a395d849d2
Valid from	Thu, 17 Sep 2020 00:00:00 UTC
Valid until	Fri, 17 Sep 2021 12:00:00 UTC (expires in 11 months and 18 days)
Key	EC 256 bits
Weak key (Debian)	No
Issuer	Cloudflare Inc ECC CA-3 AIA: http://cacerts.digicert.com/CloudflareIncECCCA-3.crt
Signature algorithm	SHA256withECDSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation Information	CRL, OCSP CRL: http://crl3.digicert.com/CloudflareIncECCCA-3.crl OCSP: http://ocsp.digicert.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	2 (2196 bytes)
Chain issues	None



You are here: [Home](#) > [Projects](#) > [SSL Server Test](#) > [synergy.lk](#) > 172.67.187.97

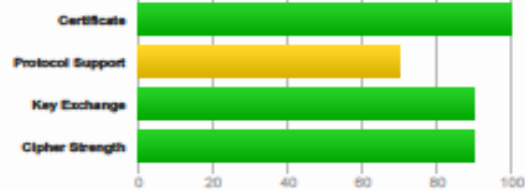
SSL Report: [synergy.lk](#) (172.67.187.97)

Assessed on: Wed, 30 Sep 2020 00:17:14 UTC | [Hide](#) | [Clear cache](#)

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This server supports TLS 1.3.

Certificate #1: EC 256 bits (SHA256withECDSA)



Server Key and Certificate #1

Subject	sni.cloudflare.com Fingerprint SHA256: 1a5e38b40c030c3896d90e47ab4732afed96db4e50bdc036d07f5dc4475 Pin SHA256: aH0gYm3tG0C7ePGT7X1C95QvdpX00EQTE8W4ew=
Common names	sni.cloudflare.com
Alternative names	synergy.lk sni.cloudflare.com *.synergy.lk
Serial Number	0b9c28c65fd25d440b2256a395d849d2
Valid from	Thu, 17 Sep 2020 00:00:00 UTC
Valid until	Fri, 17 Sep 2021 12:00:00 UTC (expires in 11 months and 18 days)
Key	EC 256 bits
Weak key (Debian)	No
Issuer	Cloudflare Inc ECC CA-3 AIA: http://cacerts.digicert.com/CloudflareIncECCCA-3.crt
Signature algorithm	SHA256withECDSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation Information	CRL, OCSP CRL: http://crl3.digicert.com/CloudflareIncECCCA-3.crl OCSP: http://ocsp.digicert.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	2 (2196 bytes)
Chain Issues	None



You are here: [Home](#) > [Projects](#) > [SSL Server Test](#) > [sinergy.lk](#) > 2606:4700:3031:0:0:0:6818:7799

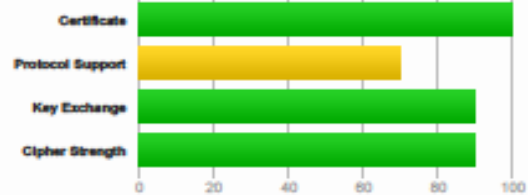
SSL Report: [sinergy.lk](#) (2606:4700:3031:0:0:0:6818:7799)

Assessed on: Wed, 30 Sep 2020 00:17:14 UTC | [Hide](#) | [Clear cache](#)

[Scan Another »](#)

Summary

Overall Rating



Visit our [documentation page](#) for more information, configuration guides, and books. Known issues are documented [here](#).

This server supports TLS 1.0 and TLS 1.1. Grade capped to B. [More Info »](#)

This site works only in browsers with SNI support.

This server supports TLS 1.3.

Certificate #1: EC 256 bits (SHA256withECDSA)



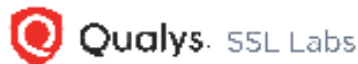
Server Key and Certificate #1

Subject	sin.cloudflarest.com Fingerprint SHA256: 1a5e28b40c002c2880e90e437ab4732afe566db4e55bdc08927f9dc4475 Pin SHA256: aH0qlyM01G007cPGT76LYCDS9QvdpX3QED0T8WU4wew
Common names	sin.cloudflarest.com
Alternative names	sinergy.lk sin.cloudflarest.com *.sinergy.lk
Serial Number	0b3828c85d25d440b2256a395d84902
Valid from	Thu, 17 Sep 2020 00:00:00 UTC
Valid until	Fri, 17 Sep 2021 12:00:00 UTC (expires in 11 months and 18 days)
Key	EC 256 bits
Weak key (Debian)	No
Issuer	Cloudflare Inc ECC CA-3 AJA: http://ca.certs.digicert.com/CloudflareIncECCCA-3.crt
Signature algorithm	SHA256withECDSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation Information	CRL, OCSP CRL: http://crl3.digicert.com/CloudflareIncECCCA-3.crl OCSP: http://ocsp.digicert.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	2 (2196 bytes)
Chain issues	None



You are here: [Home](#) > [Projects](#) > [SSL Server Test](#) > [sinergy.lk](#) > 2606:4700:3037:0:0:0:6818:7699

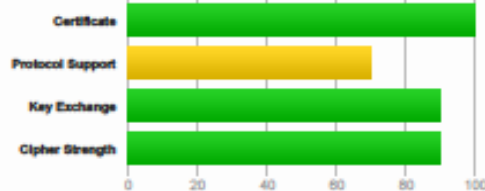
SSL Report: [sinergy.lk](#) (2606:4700:3037:0:0:0:6818:7699)

Assessed on: Wed, 30 Sep 2020 00:17:14 UTC | [Hide](#) | [Clear cache](#)

[Scan Another »](#)

Summary

Overall Rating



Visit our [documentation page](#) for more information, configuration guides, and books. Known issues are documented [here](#).

This server supports TLS 1.0 and TLS 1.1. Grade capped to B. [MORE INFO »](#)

This site works only in browsers with SNI support.

This server supports TLS 1.3.

Certificate #1: EC 256 bits (SHA256withECDSA)



Server Key and Certificate #1

Subject	sni.cloudflare.com Fingerprint (SHA256): 1a5e28b42c002c3586d90e07ab1732afe395b4e59bcb03629796d4475 Pin SHA256: s10dgyM31G00rPGT761Y095Qvdp3X0E0TE8WJ4ew+
Common names	sni.cloudflare.com
Alternative names	sinergy.lk sni.cloudflare.com *.sinergy.lk
Serial Number	0b3828c85d25d440b2256a395d8492
Valid from	Thu, 17 Sep 2020 00:00:00 UTC
Valid until	Fri, 17 Sep 2021 12:00:00 UTC (expires in 11 months and 18 days)
Key	EC 256 bits
Weak key (Debian)	No
Issuer	Cloudflare Inc ECC CA-3 AIA: http://cacerts.digicert.com/CloudflareIncECCA-3.crt
Signature algorithm	SHA256withECDSA
Extended Validation	No
Certificate Transparency	Yes (certificate)
OCSP Must Staple	No
Revocation Information	CRL, OCSP CRL: http://crl3.digicert.com/CloudflareIncECCA-3.crl OCSP: http://ocsp.digicert.com
Revocation status	Good (not revoked)
DNS CAA	No (more info)
Trusted	Yes Mozilla Apple Android Java Windows



Additional Certificates (if supplied)

Certificates provided	2 (2196 bytes)
Chain issues	None

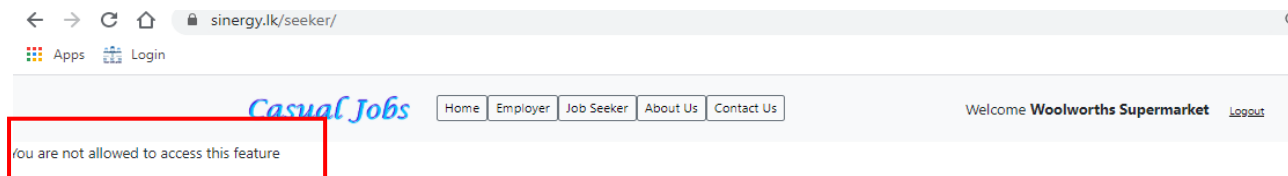


Figure 25 TC1.16

Usability Testing

In usability testing, Casual Jobs Database V.1 application focuses on user's ease of using application, flexibility to handle controls and application to meet its objectives. This web application concentrates on the following parameters:

- Effectiveness of the system
- Efficiency
- Accuracy
- User friendliness

Effectiveness of the system:

This web application is easy to learn, and it is useful for the students and employers. The content, color, icons and images in the system is based upon the business standards.

Efficiency:

Navigation button works efficiently to reach out the required webpage. The format of the webpages is similar in all the webpages.

Accuracy:

The data present in the system is more accurate and details present in the web application is up to date.

User Friendliness:

This web application is user-friendly and easy used by all the users. No separate training is not required to access the system. The controls present in the system are self-explanatory.

Scalability Testing

In scalability testing, Casual Jobs Database V.1 measures the performance of the system and network when the number of user requests are scaled up or down. This system also focuses to handle projected increase in user traffic, data volume etc.

Response Time

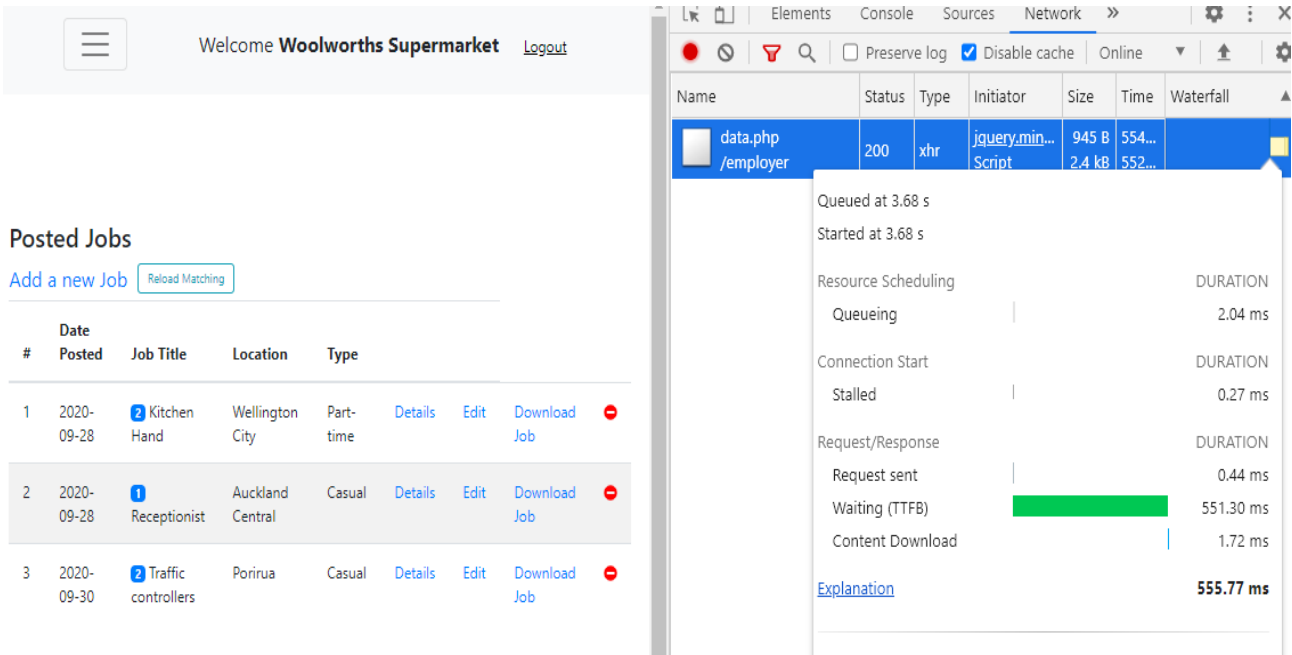
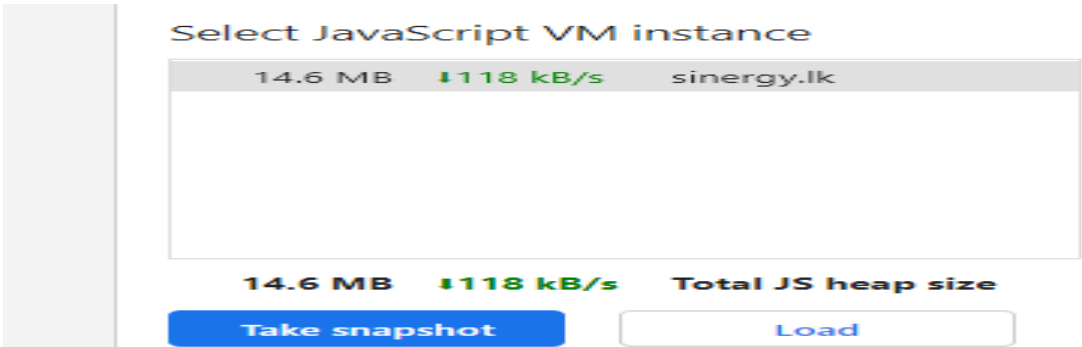


Figure 26 Response Time

Network Usage



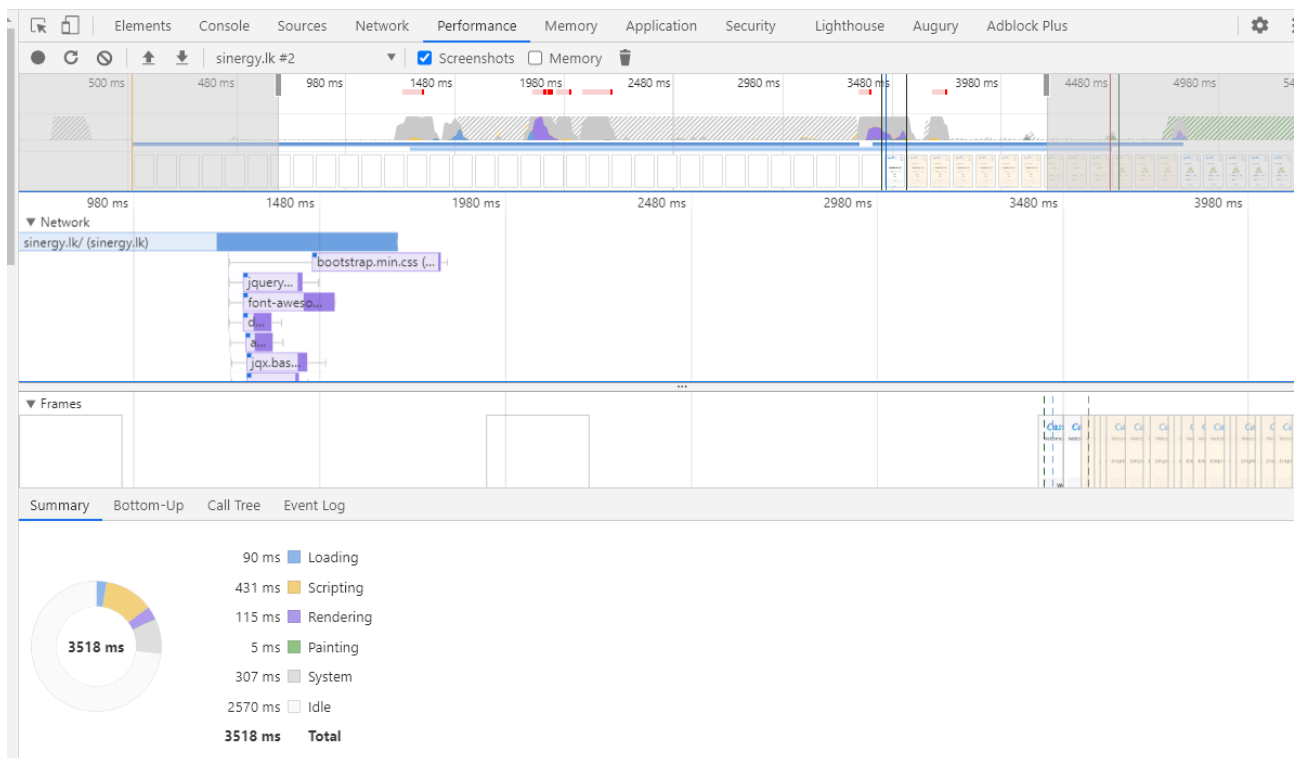


Figure 27 Network Usage

Efficiency

This web application tests the amounts of resources required by a program to perform a specific function. It also refers to the efforts put in to develop the system to satisfy the user needs.

Flexibility

This web application is flexible to work in different hardware and software configurations such as minimum RAM and CPU requirements.

Portability

This system has flexibility to transfer from its current hardware and software environment to another.

This system can be installed in any apache server with PHP < 7.0. It is handy and small size of package uses mostly online resources rather than using local libraries. With reference to Figure 28 it shows most of the resources use from the online CDNs.

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script src="https://code.jquery.com/ui/1.12.1/jquery-ui.min.js"
    integrity="sha256-VazP97ZCwtekAsvgPBSUwPFKdrwD3unUfSGVYrahUqU="
    crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.11.0/umd/popper.min.js"><
</script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"
    integrity="sha384-wfSDF2E50Y2D1uUdj003uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6"
    crossorigin="anonymous"></script>
```

Figure 28