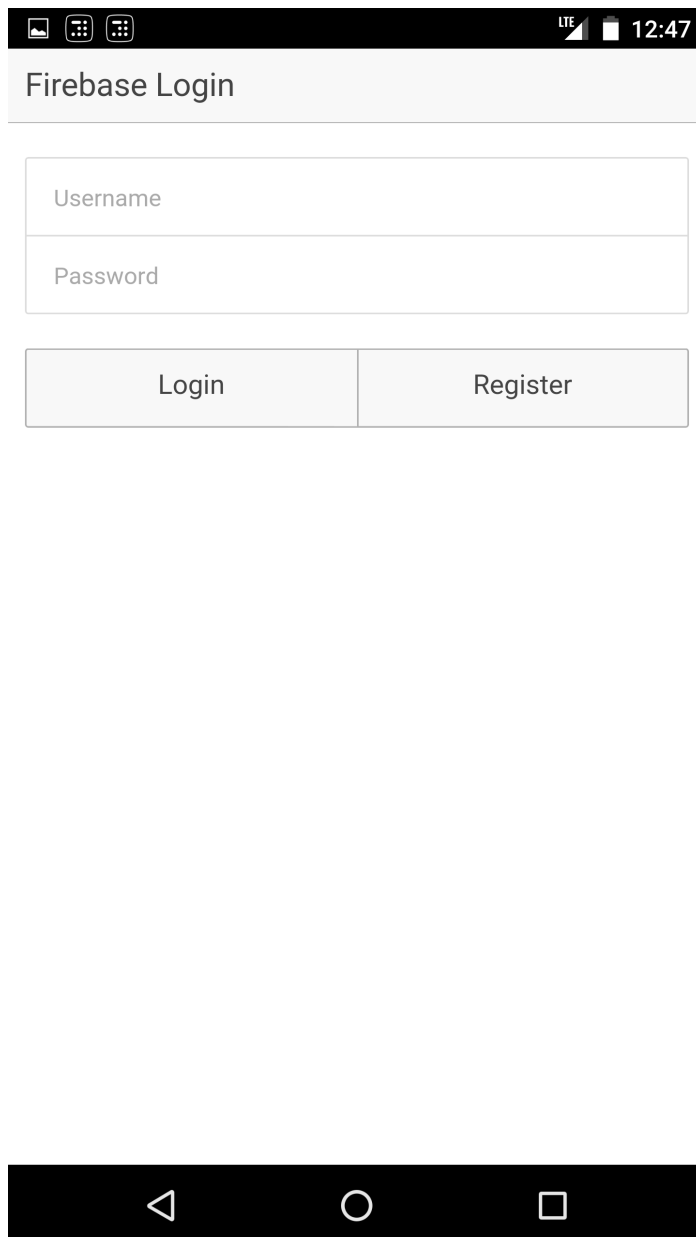


ASSIGNMENT – 9
ADVANCED SOFTWARE ENGINEERING
CORDOVA APPLICATION

- This application is an extension of Lab 8.
- It has four pages i.e., Login, Register, EnterCity and Home
- The camera plugin of Cordova is used in Register page where the image of the user is captured.

Screenshots:

Screen-1 Login – User enters the registered credentials and clicks on login.




The screenshot displays a mobile application interface for Firebase Login. At the top, there is a black status bar with icons for signal, battery, and time (12:47). Below the status bar is a white header with the text 'Firebase Login'. The main content area is white and contains two input fields: 'Username' and 'Password'. Below these fields are two buttons: 'Login' and 'Register'. At the bottom of the screen is a black navigation bar with three white icons: a back arrow, a circle, and a square.

Screen-2 Register – User clicks on register to enter the username and password to create an account if new to the application.

LTE

12:44

Register



Username

Password

Confirm Password

Register

Register

vinutha@gmail.com

.....

.....

Register



Screen – 2 Click on camera icon to capture the image

Register



vinutha@gmail.com

Complete action using



com.sec.android.
app.camera



com.google.andr
oid.GoogleCam...



com.picsart.stud
io

Always

Just once

Register



vinutha@gmail.com

.....


.....

Alert

Image has been uploaded

OK

Register

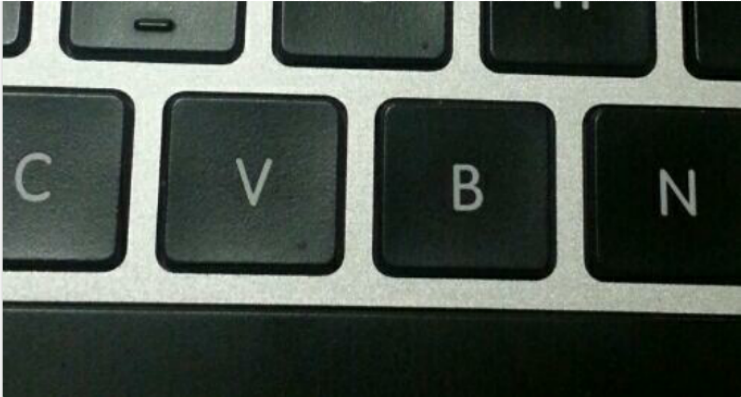


vinutha@gmail.com

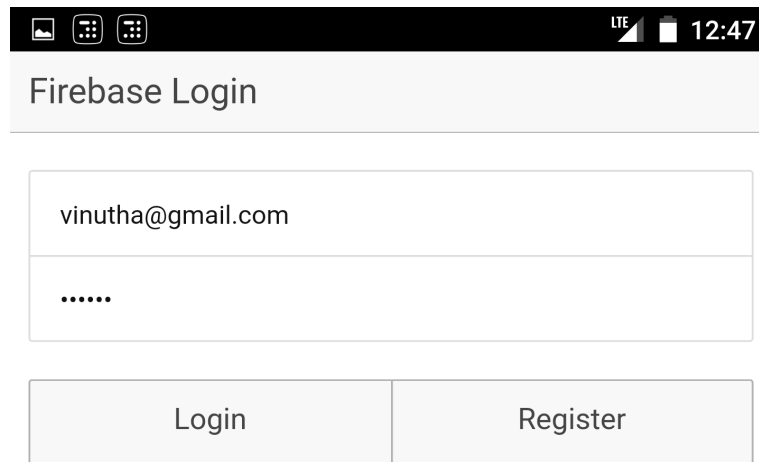
.....

.....

Register



Screen-1 User logs into the application with registered credentials



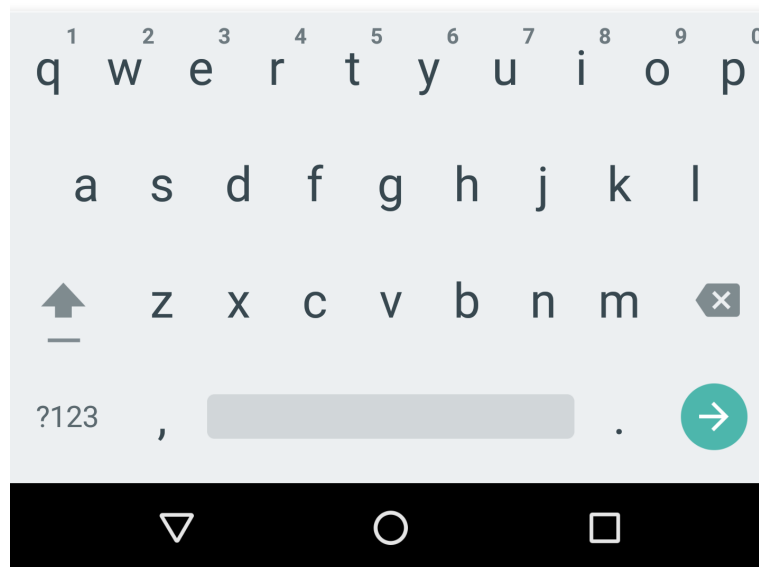
12:47

Firebase Login

vinutha@gmail.com

.....

Login Register



Screen – 3 Enter City – After successful login the user is redirected to EnterCity page where the name of the city is to be entered to get the weather details and basic information about it.



Enter City

Enter the City to get its information:

City

Get Information





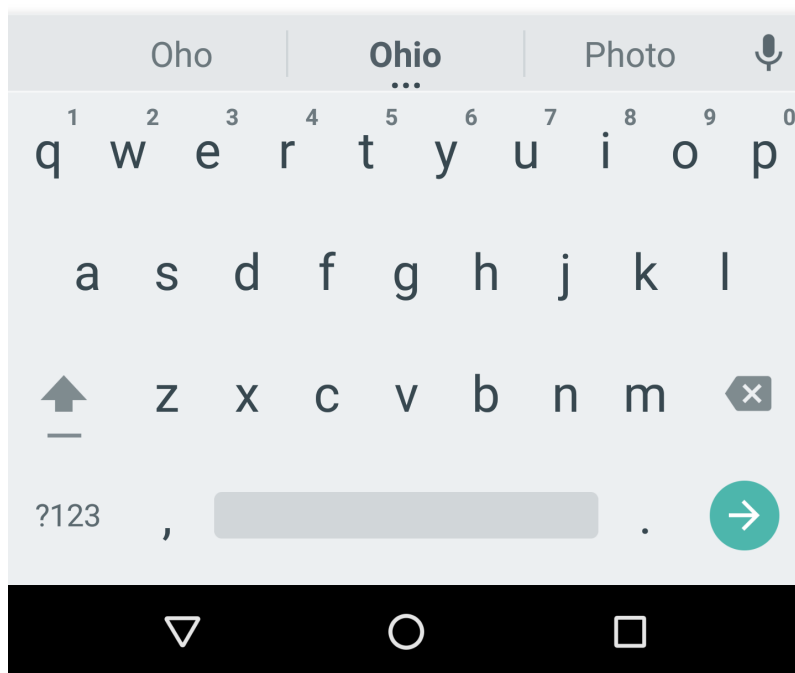
Enter City

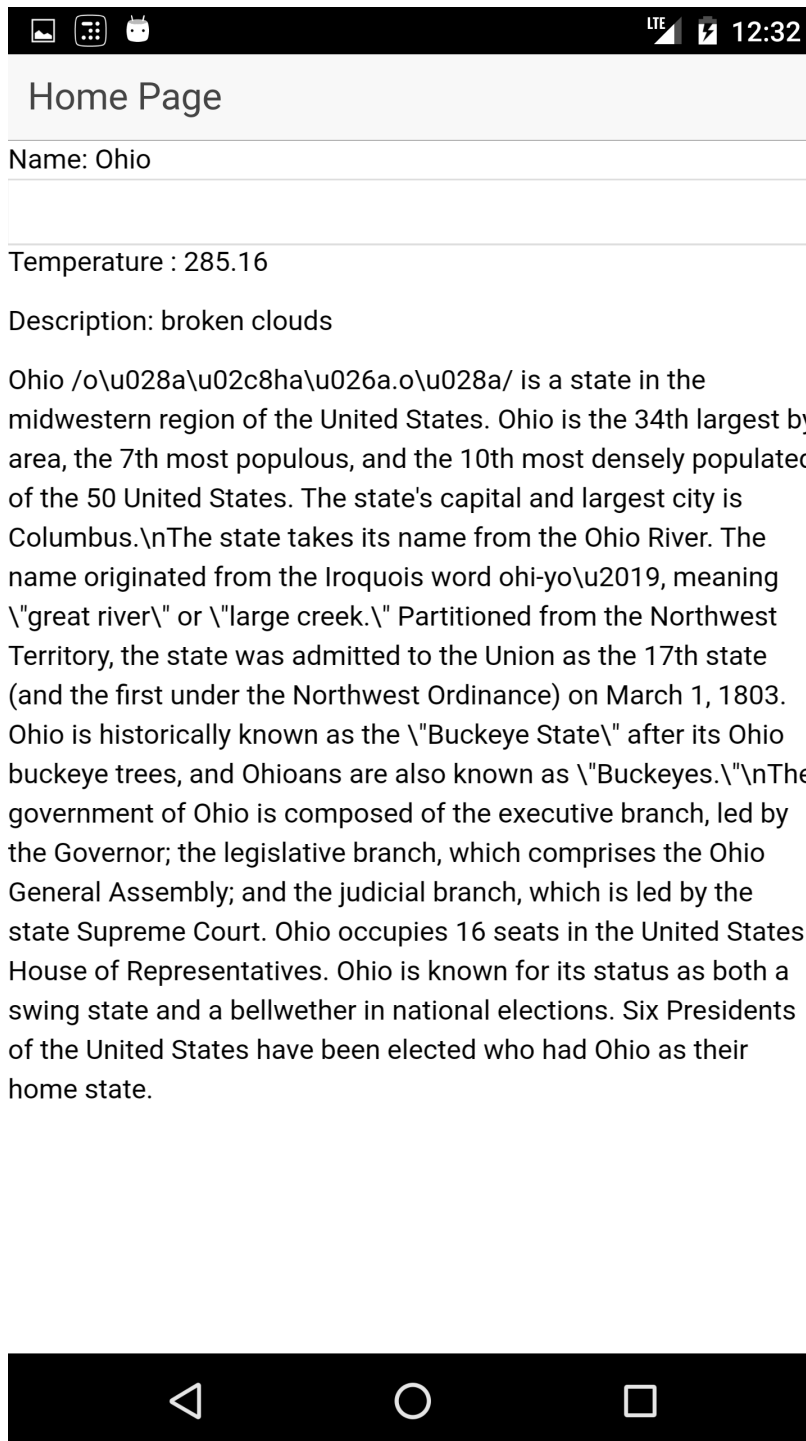
Enter the City to get its information:

Ohio



Get Information





YSlow Analysis of the pages:

Login Page: (firebase.html)

Firestore Login

localhost:8100/?restart=665801#/firebase

Firestore Login

Username

Password

Login

Register

chrome-extension://ninejcohidippngpapiilnmkgilmakh/yslow.html#124

HomeGradeComponentsStatistics

Rulesets YSlow(V2) Edit Help

Grade

Overall performance score 77 Ruleset applied: YSlow(V2) URL: http://localhost:8100/?...

ALL (23) FILTER BY: CONTENT (6) COOKIE (2) CSS (6) IMAGES (2) JAVASCRIPT (4) SERVER (6)

B Make fewer HTTP requests

F Use a Content Delivery Network (CDN)

A Avoid empty src or href

F Add Expires headers

F Compress components with gzip

A Put CSS at top

C Put JavaScript at bottom

A Avoid CSS expressions

n/a Make JavaScript and CSS external

A Reduce DNS lookups

B Minify JavaScript and CSS

A Avoid URL redirects

Grade 8 on Make fewer HTTP requests

This page has 7 external JavaScript scripts. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[Read More](#)

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Firestore Login

localhost:8100/?restart=665801#/firebase

Firestore Login

Username

Password

Login

Register

chrome-extension://ninejcohidippngpapiilnmkgilmakh/yslow.html#124

HomeGradeComponentsStatistics

Rulesets YSlow(V2) Edit Help

Components

The page has a total of 12 components and a total weight of 2729.3K bytes

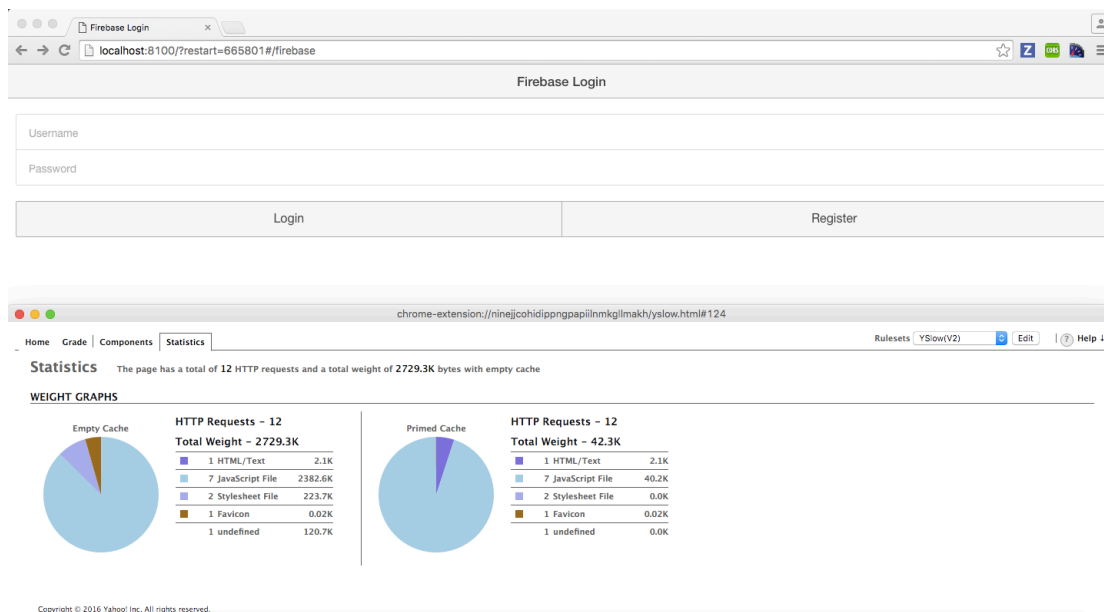
[Expand All](#)

TYPE	SIZE (K)	GZIP (K)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	2.1K									
js (7)	2382.6K									
css (2)	223.7K									
favicon (1)	0.02K									
font (1)	120.7K									

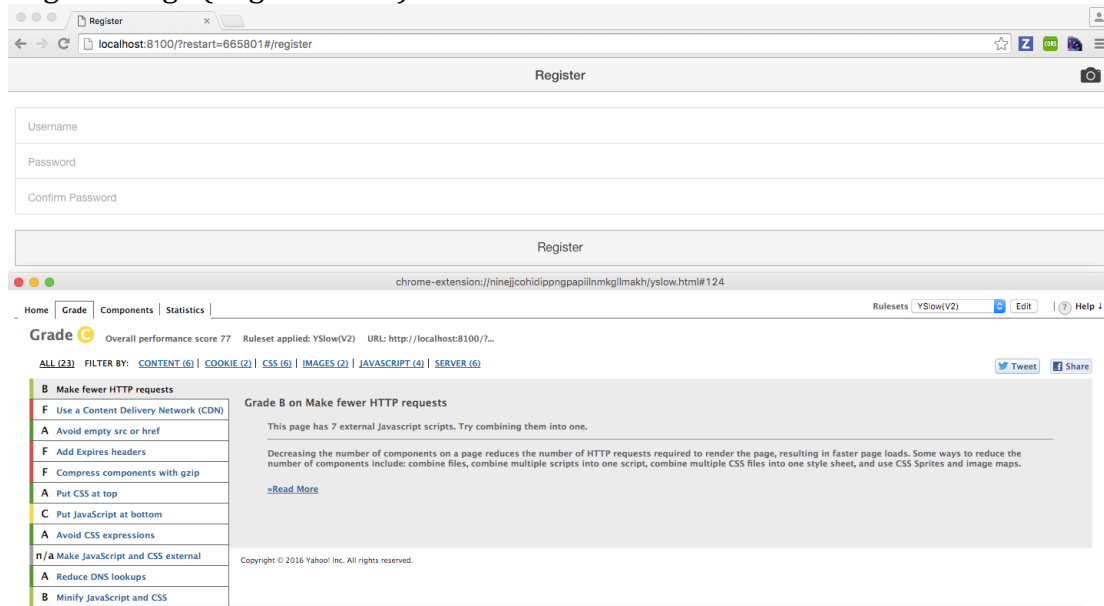
* type column indicates the component is loaded after window onload event

† denotes 1x1 pixels image that may be image beacon

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Register Page (Register.html)



Register

localhost:8100/?restart=665801#/register

Register

Username

Password

Confirm Password

Register

chrome-extension://ninejcohidippngpapiinmkgilmakh/yslow.html#124

HomeGradeComponentsStatistics

Rulesets YSlow(V2) Edit Help

Components

The page has a total of 12 components and a total weight of 2729.3K bytes

Expand All

TYPE	SIZE (K)	GZIP (K)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	2.1K									
js (7)	2382.6K									
css (2)	223.7K									
favicon (1)	0.02K									
font (1)	120.7K									

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

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Register

localhost:8100/?restart=665801#/register

Register

Click to go back, hold to see history

Username

Password

Confirm Password

Register

chrome-extension://ninejcohidippngpapiinmkgilmakh/yslow.html#124

HomeGradeComponentsStatistics

Rulesets YSlow(V2) Edit Help

Statistics

The page has a total of 12 HTTP requests and a total weight of 2729.3K bytes with empty cache

WEIGHT GRAPHS

Empty Cache

HTTP Requests - 12

Total Weight - 2729.3K

1 HTML/Text	2.1K
7 JavaScript File	2382.6K
2 Stylesheet File	223.7K
1 Favicon	0.02K
1 undefined	120.7K

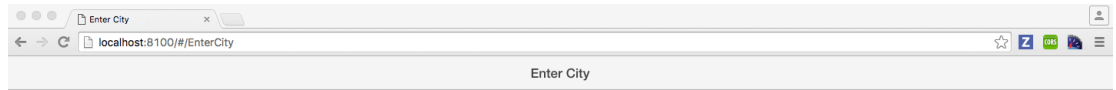
Primed Cache

HTTP Requests - 12

Total Weight - 42.3K

1 HTML/Text	2.1K
7 JavaScript File	40.2K
2 Stylesheet File	0.0K
1 Favicon	0.02K
1 undefined	0.0K

Enter City Page (EnterCity.html)



Enter the City to get its information:

City

Get Information

chrome-extension://ninejjcohidippngpapiinnmkgilmakh/yslow.html#124

Home

Grade

Components

Statistics

Rulesets YSlow(V2) Edit Help

Grade

Overall performance score 77 Ruleset applied: YSlow(V2) URL: http://localhost:8100/#/EnterCity

ALL (23) FILTER BY: CONTENT (6) COOKIE (2) CSS (6) IMAGES (2) JAVASCRIPT (4) SERVER (6)

B Make fewer HTTP requests

F Use a Content Delivery Network (CDN)

A Avoid empty src or href

F Add Expires headers

F Compress components with gzip

A Put CSS at top

C Put JavaScript at bottom

A Avoid CSS expressions

H/A Make JavaScript and CSS external

A Reduce DNS lookups

B Minify JavaScript and CSS

A Avoid URL redirects

A Remove duplicate JavaScript and CSS

A Configure cache uses (ETag)

Grade B on Make fewer HTTP requests

This page has 7 external Javascript scripts. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[Read More](#)

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Enter the City to get its information:

City

Get Information

chrome-extension://ninejjcohidippngpapiinnmkgilmakh/yslow.html#124

Home

Grade

Components

Statistics

Rulesets YSlow(V2) Edit Help

Components

The page has a total of 12 components and a total weight of 2729.3K bytes

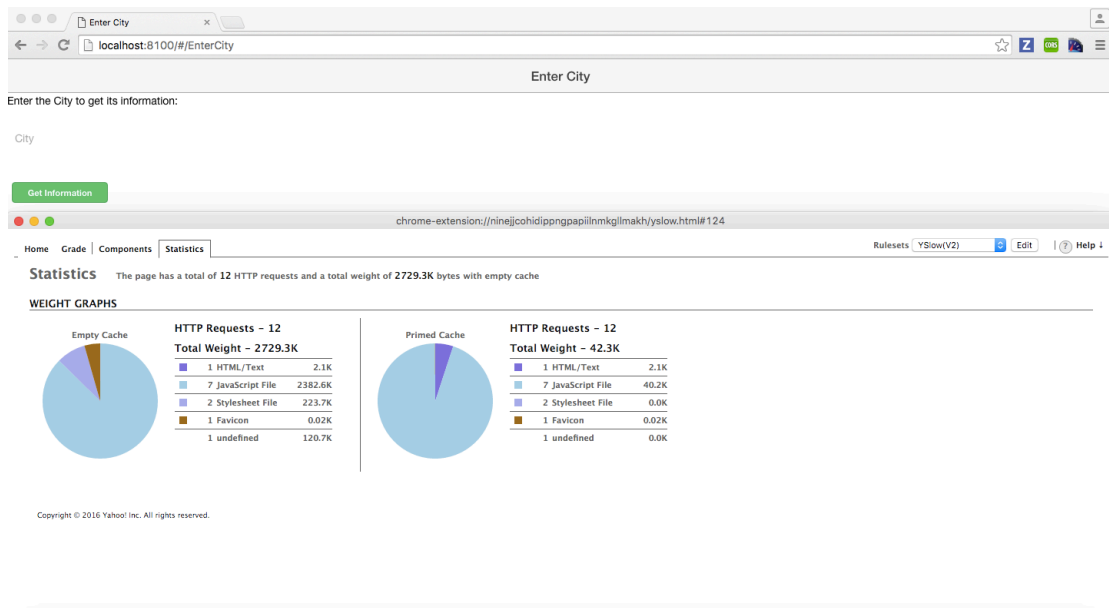
[Expand All](#)

* TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	2.1K									
js (7)	2382.6K									
css (2)	223.7K									
favicon (1)	0.02K									
font (1)	120.7K									

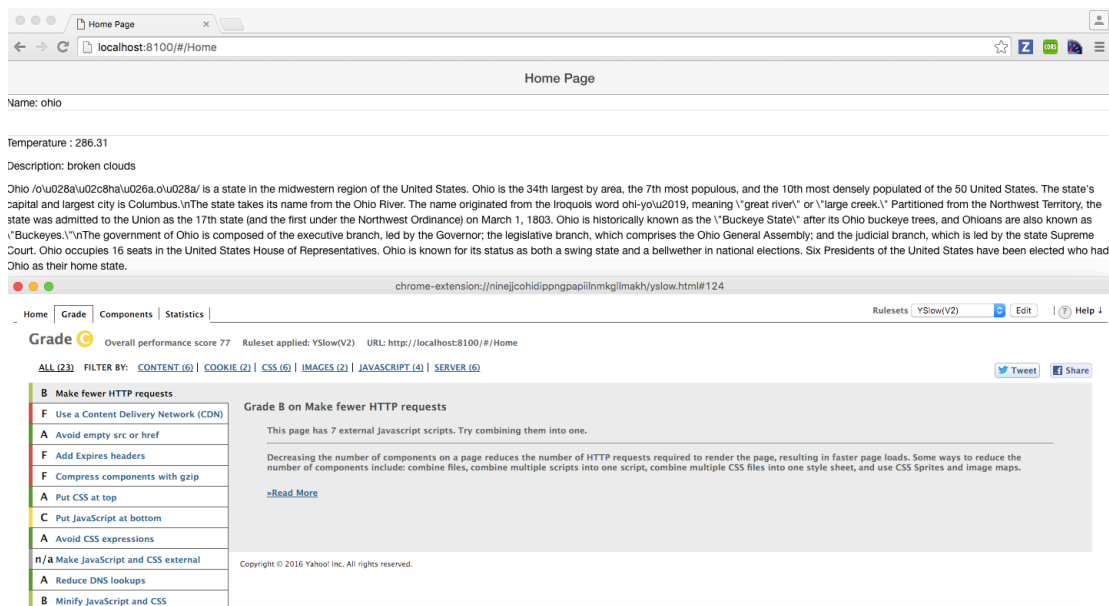
* type column indicates the component is loaded after window onload event

† denotes 1x1 pixels image that may be image beacon

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Home Page (Home.html)



Home Page

localhost:8100/#/Home

Home Page

Name: ohio

Temperature : 286.31

Description: broken clouds

Ohio /o/u028a/u02c8hau026a.o/u028a/ is a state in the midwestern region of the United States. Ohio is the 34th largest by area, the 7th most populous, and the 10th most densely populated of the 50 United States. The state's capital and largest city is Columbus. The state takes its name from the Ohio River. The name originated from the Iroquois word ohi-yo'u2019, meaning "great river" or "large creek." Partitioned from the Northwest Territory, the state was admitted to the Union as the 17th state (and the first under the Northwest Ordinance) on March 1, 1803. Ohio is historically known as the "Buckeye State" after its Ohio buckeye trees, and Ohioans are also known as "Buckeyes." The government of Ohio is composed of the executive branch, led by the Governor; the legislative branch, which comprises the Ohio General Assembly; and the judicial branch, which is led by the state Supreme Court. Ohio occupies 16 seats in the United States House of Representatives. Ohio is known for its status as both a swing state and a bellwether in national elections. Six Presidents of the United States have been elected who had Ohio as their home state.

chrome-extension://ninejcohidippngpapiinmkgilmakh/yslow.html#124

HomeGradeComponentsStatisticsRulesetsYSlow(V2)EditHelp

Components

The page has a total of 12 components and a total weight of 2729.3K bytes

TYPE

SIZE (K.B)

GZIP (K.B)

COOKIE RECEIVED (bytes)

COOKIE SENT (bytes)

HEADERS

URL

EXPIRES (Y/M/D)

RESPONSE TIME (ms)

ETAG

ACTION

doc (1)

2.1K

js (7)

2382.6K

css (2)

223.7K

favicon (1)

0.02K

font (1)

120.7K

* type column indicates the component is loaded after window onload event

† denotes 1x1 pixels image that may be image beacon

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javascript:document.ysview.showComponents()

Home Page

localhost:8100/#/Home

Home Page

Name: ohio

Temperature : 286.31

Description: broken clouds

Ohio /o/u028a/u02c8hau026a.o/u028a/ is a state in the midwestern region of the United States. Ohio is the 34th largest by area, the 7th most populous, and the 10th most densely populated of the 50 United States. The state's capital and largest city is Columbus. The state takes its name from the Ohio River. The name originated from the Iroquois word ohi-yo'u2019, meaning "great river" or "large creek." Partitioned from the Northwest Territory, the state was admitted to the Union as the 17th state (and the first under the Northwest Ordinance) on March 1, 1803. Ohio is historically known as the "Buckeye State" after its Ohio buckeye trees, and Ohioans are also known as "Buckeyes." The government of Ohio is composed of the executive branch, led by the Governor; the legislative branch, which comprises the Ohio General Assembly; and the judicial branch, which is led by the state Supreme Court. Ohio occupies 16 seats in the United States House of Representatives. Ohio is known for its status as both a swing state and a bellwether in national elections. Six Presidents of the United States have been elected who had Ohio as their home state.

chrome-extension://ninejcohidippngpapiinmkgilmakh/yslow.html#124

HomeGradeComponentsStatisticsRulesetsYSlow(V2)EditHelp

Statistics

The page has a total of 12 HTTP requests and a total weight of 2729.3K bytes with empty cache

WEIGHT GRAPHS

Empty Cache

HTTP Requests - 12

Total Weight - 2729.3K

1 HTML/Text

2.1K

7 JavaScript File

2382.6K

2 Stylesheet File

223.7K

1 Favicon

0.02K

1 undefined

120.7K

Primed Cache

HTTP Requests - 12

Total Weight - 42.3K

1 HTML/Text

2.1K

7 JavaScript File

40.2K

2 Stylesheet File

0.0K

1 Favicon

0.02K

1 undefined

0.0K

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javascript:document.ysview.showStats()

Firebase:

