

Assignment No. 5

6CS371 : Advanced Database System Lab

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Batch: T-7

TY CSE

Assignment - 3

14:44:56 - localhost:3000

http://localhost:3000/student/jns29072003@gmail.com

100

92

95

100

PWA

Performance

Accessibility

Best Practices

SEO

PWA

100

Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0-49

■ 50-89

● 90-100

METRICS

Expand view

● First Contentful Paint

0.2 s

● Total Blocking Time

0 ms

● Speed Index

0.2 s

● Largest Contentful Paint

0.8 s

● Cumulative Layout Shift

0.004

View Treemap

Student Dashboard

Correctly taken Courses

Search

View

All Courses

Course ID	Type	Status
1	APCS	Completed
2	APCS	Completed
3	APCS	Completed
4	APCS	Completed
5	APCS	Completed

View Treemap

Student of Dashboard				Student of Dashboard				Student of Dashboard				Student of Dashboard				Student of Dashboard				Student of Dashboard				Student of Dashboard							
Dashboard				Dashboard				Dashboard				Dashboard				Dashboard				Dashboard				Dashboard							
id	name	age	gender	id	name	age	gender	id	name	age	gender	id	name	age	gender	id	name	age	gender	id	name	age	gender	id	name	age	gender	id	name	age	gender
1	John	25	Male	2	Jane	22	Female	3	Mike	30	Male	4	Sarah	28	Female	5	David	35	Male	6	Emily	20	Female	7	Chris	27	Male	8	Alice	24	Female
9	Bob	32	Male	10	Lisa	29	Female	11	Tom	26	Male	12	Mia	23	Female	13	Kevin	31	Male	14	Nora	27	Female	15	Ben	25	Male	16	Grace	21	Female
17	Frank	33	Male	18	Anna	26	Female	19	Leo	29	Male	20	Olivia	24	Female	21	Noah	30	Male	22	Eva	28	Female	23	Lucas	22	Male	24	Sophia	26	Female
25	Alex	27	Male	26	Mia	23	Female	27	Ethan	31	Male	28	Ava	25	Female	29	Michael	29	Male	30	Isabella	27	Female	31	James	24	Male	32	Charlotte	22	Female
33	William	34	Male	34	Amelia	28	Female	35	Oliver	26	Male	36	Harper	24	Female	37	Lucas	32	Male	38	Evelyn	29	Female	39	Benjamin	27	Male	40	Abigail	25	Female
41	Joseph	36	Male	42	Emily	21	Female	43	Matthew	30	Male	44	Sofia	28	Female	45	Christopher	26	Male	46	Madison	23	Female	47	Andrew	33	Male	48	Chloe	20	Female
49	Robert	37	Male	50	Avery	27	Female	51	Joshua	29	Male	52	Scarlett	25	Female	53	Isaac	31	Male	54	Liam	28	Male	55	Victoria	26	Female	56	Michael	24	Male
57	Grace	22	Female	58	Henry	35	Male	59	Abigail	29	Female	60	James	27	Male	61	Elizabeth	25	Female	62	Robert	32	Male	63	Sarah	23	Female	64	David	30	Male
65	Olivia	21	Female	66	Benjamin	34	Male	67	Mia	28	Female	68	Lucas	26	Male	69	Amelia	24	Female	70	Christopher	31	Male	71	Harper	29	Female	72	Matthew	27	Male
73	Isabella	26	Female	74	Joseph	38	Male	75	Emily	22	Female	76	Michael	30	Male	77	Sophia	28	Female	78	Andrew	26	Male	79	Chloe	24	Female	80	Robert	33	Male
81	Grace	23	Female	82	Henry	36	Male	83	Abigail	30	Female	84	James	28	Male	85	Elizabeth	26	Female	86	Robert	33	Male	87	Sarah	23	Female	88	David	30	Male
89	Olivia	21	Female	90	Benjamin	34	Male	91	Mia	28	Female	92	Lucas	26	Male	93	Amelia	24	Female	94	Christopher	31	Male	95	Harper	29	Female	96	Matthew	27	Male
97	Isabella	26	Female	98	Joseph	38	Male	99	Emily	22	Female	100	Michael	30	Male																

Show audits relevant to:

All

FCP

LCP

TBT

CLS

DIAGNOSTICS

▲

Minify JavaScript

— Potential savings of 259 KiB

▼

▲

Reduce unused JavaScript

— Potential savings of 208 KiB

▼

■

Serve static assets with an efficient cache policy

— 1 resource found

▼

■

Avoid serving legacy JavaScript to modern browsers

— Potential savings of 0 KiB

▼

■

Page prevented back/forward cache restoration

— 1 failure reason

▼

○

JavaScript execution time

— 0.1 s

▼

○

Minimizes main-thread work

— 0.2 s

▼

14:44:56 - localhost:3000

http://localhost:3000/student/jns29072003@gmail.com

100

92

95

100

100

Show audits relevant to: **All** FCP LCP TBT CLS

DIAGNOSTICS

- ▲

Minify JavaScript — Potential savings of 259 KiB

▼
- ▲

Reduce unused JavaScript — Potential savings of 208 KiB

▼
- Serve static assets with an efficient cache policy — 1 resource found

▼
- Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB

▼
- Page prevented back/forward cache restoration — 1 failure reason

▼
- JavaScript execution time — 0.1 s

▼
- Minimizes main-thread work — 0.2 s

▼
- Avoid long main-thread tasks — 1 long task found

▼
- Avoid large layout shifts — 2 elements found

▼
- User Timing marks and measures — 2 user timings

▼
- Initial server response time was short — Root document took 0 ms

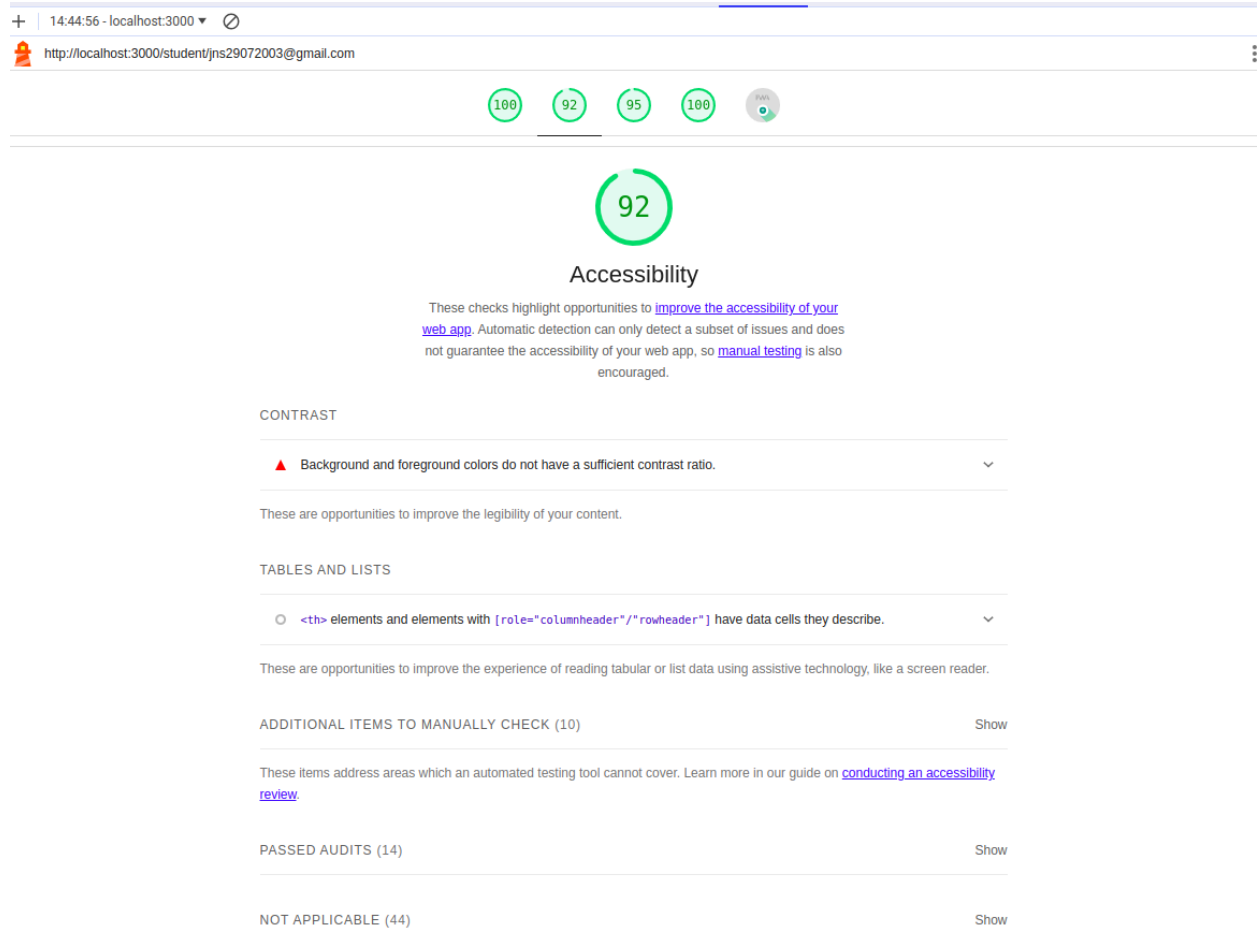
▼
- Avoids enormous network payloads — Total size was 474 KiB

▼
- Avoids an excessive DOM size — 51 elements

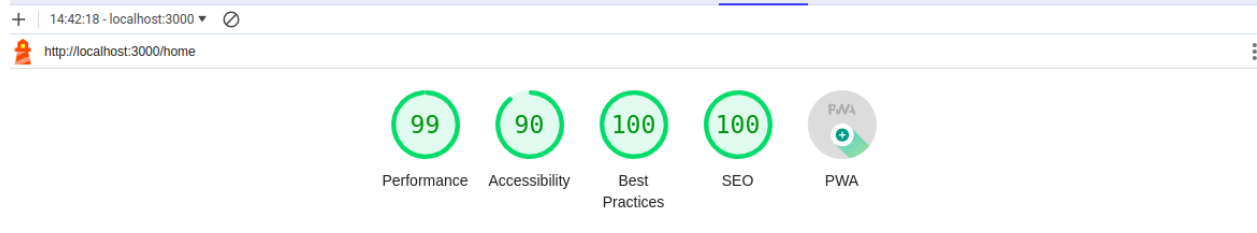
▼
- Largest Contentful Paint element — 770 ms

▼

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.



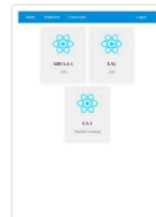
Assignment - 4



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0-49 ■ 50-89 ● 90-100



METRICS

[Expand view](#)

● First Contentful Paint
0.2 s

● Largest Contentful Paint
0.8 s


● Total Blocking Time
0 ms

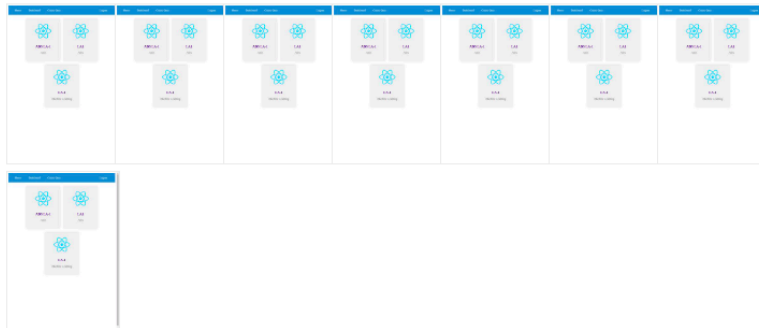
● Cumulative Layout Shift
0

● Speed Index
0.2 s

[View Treemap](#)



 View Treemap



Show audits relevant to:

All

FCP

LCP

TBT

CLS

DIAGNOSTICS

- ▲

Minify JavaScript

— Potential savings of 261 KiB

⌵
- ▲

Reduce unused JavaScript

— Potential savings of 205 KiB

⌵
- ▲

Preload Largest Contentful Paint image

— Potential savings of 40 ms

⌵
- Serve static assets with an efficient cache policy

— 1 resource found

⌵
- Avoid serving legacy JavaScript to modern browsers

— Potential savings of 0 KiB

⌵
- Page prevented back/forward cache restoration

— 1 failure reason

⌵
- JavaScript execution time

— 0.1 s

⌵

14:42:18 - localhost:3000

http://localhost:3000/home

99

90

100

100

100

Show audits relevant to: [All](#) [FCP](#) [LCP](#) [TBT](#) [CLS](#)

DIAGNOSTICS

- ▲

Minify JavaScript — Potential savings of 261 KiB

▼
- ▲

Reduce unused JavaScript — Potential savings of 205 KiB

▼
- ▲

Preload Largest Contentful Paint image — Potential savings of 40 ms

▼
- Serve static assets with an efficient cache policy — 1 resource found

▼
- Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB

▼
- Page prevented back/forward cache restoration — 1 failure reason

▼
- JavaScript execution time — 0.1 s

▼
- Minimizes main-thread work — 0.2 s

▼
- Avoid long main-thread tasks — 1 long task found

▼
- User Timing marks and measures — 2 user timings

▼
- Initial server response time was short — Root document took 0 ms

▼
- Avoids enormous network payloads — Total size was 472 KiB

▼
- Avoids an excessive DOM size — 26 elements

▼
- Largest Contentful Paint element — 840 ms

▼

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

14:42:18 - localhost:3000

http://localhost:3000/home

99

90

100

100

100

PASSED AUDITS (25)Show

90

Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

CONTRAST

▲ Background and foreground colors do not have a sufficient contrast ratio.

These are opportunities to improve the legibility of your content.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (9)Show

NOT APPLICABLE (51)Show





PASSED AUDITS (9)

Show

NOT APPLICABLE (51)

Show



Best Practices

TRUST AND SAFETY

☐ Ensure CSP is effective against XSS attacks



GENERAL

☐ Detected JavaScript libraries



PASSED AUDITS (13)

Show

NOT APPLICABLE (1)

Show



SEO



NOT APPLICABLE (1)

Show



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more about Google Search Essentials](#).

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

☐ Structured data is valid



Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (11)

Show

NOT APPLICABLE (3)

Show



PWA

These checks validate the aspects of a Progressive Web App. [Learn what makes a good Progressive Web App](#).

14:42:18 - localhost:3000

http://localhost:3000/home

99

90

100

100

PWA



PWA

These checks validate the aspects of a Progressive Web App. [Learn what makes a good Progressive Web App.](#)

<div><div></div></div> INSTALLABLE	
<div><div></div> Web app manifest and service worker meet the installability requirements</div>	<div></div>
<div><div></div> PWA OPTIMIZED</div>	
<div><div></div> Configured for a custom splash screen</div>	<div></div>
<div><div></div> Sets a theme color for the address bar.</div>	<div></div>
<div><div></div> Content is sized correctly for the viewport</div>	<div></div>
<div><div></div> Has a <code><meta name="viewport"></code> tag with width or initial-scale</div>	<div></div>
<div><div></div> Manifest doesn't have a maskable icon</div>	<div></div>
ADDITIONAL ITEMS TO MANUALLY CHECK (3)	Hide
<div><div></div> Site works cross-browser</div>	<div></div>
<div><div></div> Page transitions don't feel like they block on the network</div>	<div></div>

14:42:18 - localhost:3000

http://localhost:3000/home

99

90

100

100

PWA

● Web app manifest and service worker meet the installability requirements

▼

★ PWA OPTIMIZED

● Configured for a custom splash screen

▼

● Sets a theme color for the address bar.

▼

○ Content is sized correctly for the viewport

▼

● Has a <meta name="viewport"> tag with width or initial-scale

▼

▲ Manifest doesn't have a maskable icon

▼

ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Hide

○ Site works cross-browser

▼

○ Page transitions don't feel like they block on the network

▼

○ Each page has a URL

▼

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

Captured at Feb 22, 2024, 2:42 PM GMT+5:30

Initial page load

Emulated Desktop with Lighthouse 11.3.0

Custom throttling

Single page load

Using Chromium 121.0.0.0 with devtools

Generated by Lighthouse 11.3.0 | [File an issue](#)