

Full Stack Technical Assessment

Report file for findings and outputs for scrawl full stack assessment.

Backend: Lumen PHP → Directory: ../src/api/

Frontend: Vue.js → Directory: ../src/ui

Backend (api):

Useful Commands:

php artisan migrate

php -S localhost:8080 -t public/

updated .env for database connection properties

php artisan migrate

php artisan make:model Todonotes --migration

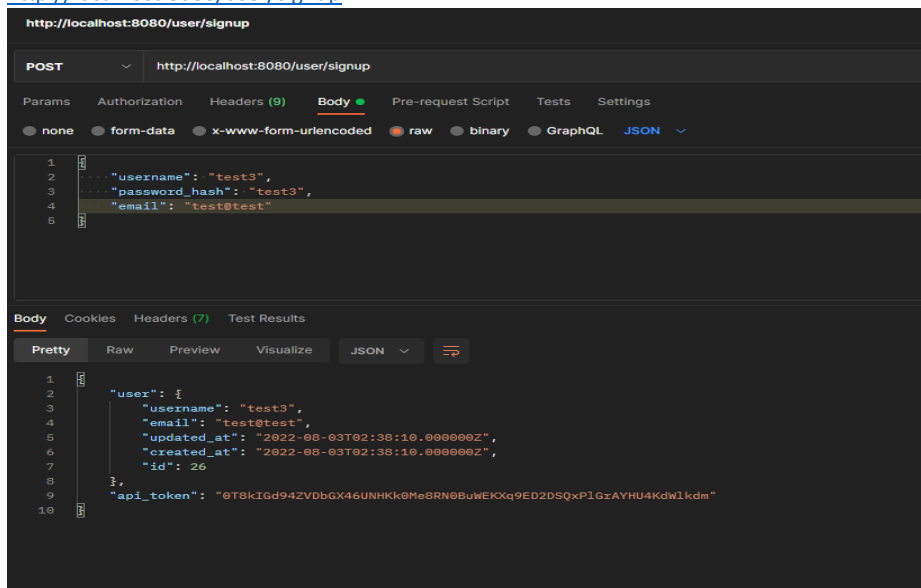
php artisan migrate:fresh

Notes:

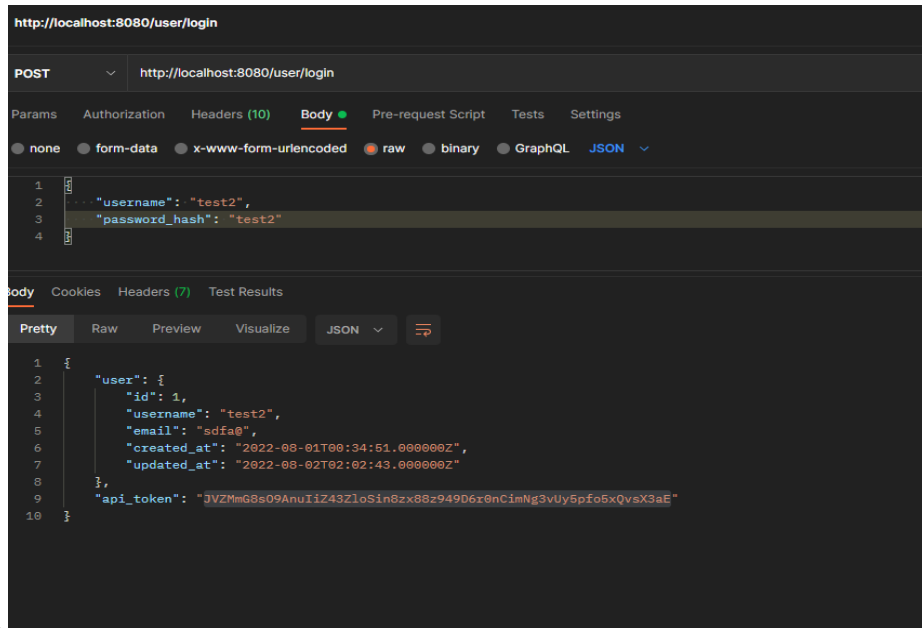
1. Small changes made to Users, TodoNote Migration files to provided migrations
2. Developed model files: User.php and Tondonotes.php (Directory: /api/app/models)
3. Developed controllers: TodoNotesController.php and UsersController.php (Directory: /api/app/controllers/..)
4. Developed endpoints in web.php file according to provided comments in that file
5. Made required configuration changes in app.php file and configured Auth middleware for authentication
6. Validations to data, token authentication
7. Postgres database and its required configurations

Outputs:

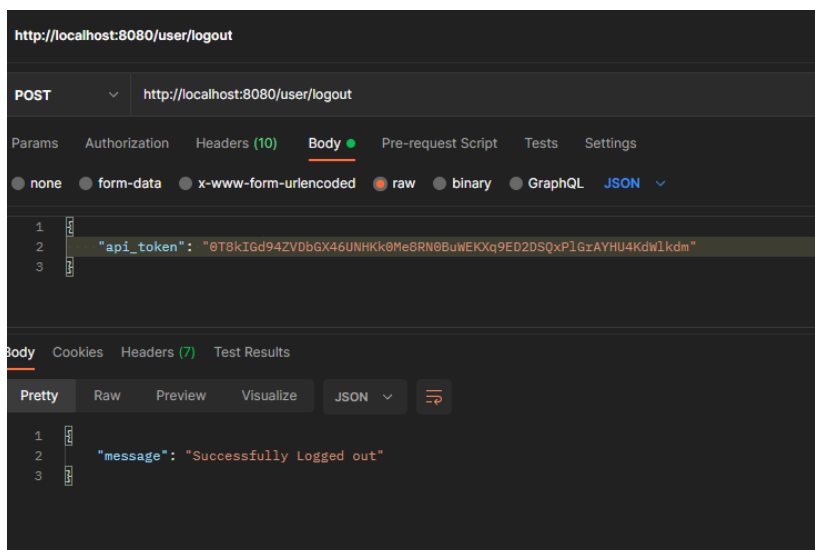
1. <http://localhost:8080/user/signup>



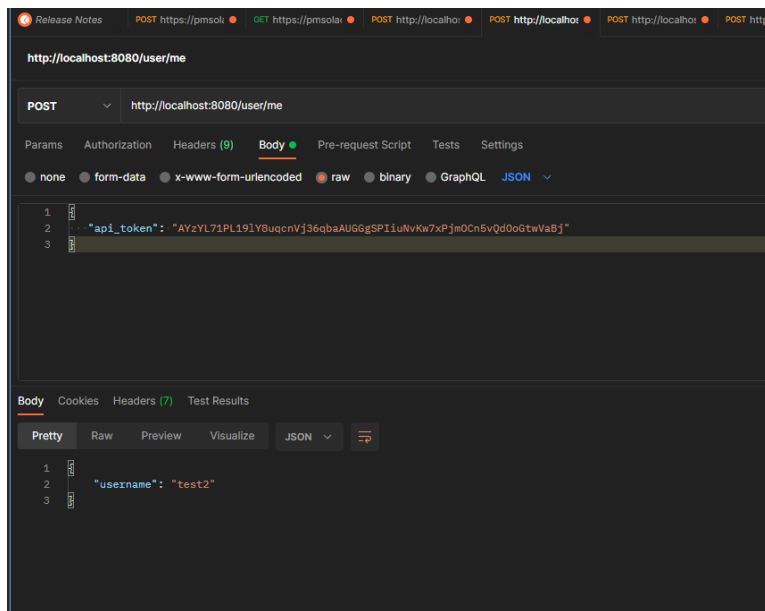
2. <http://localhost:8080/user/login>



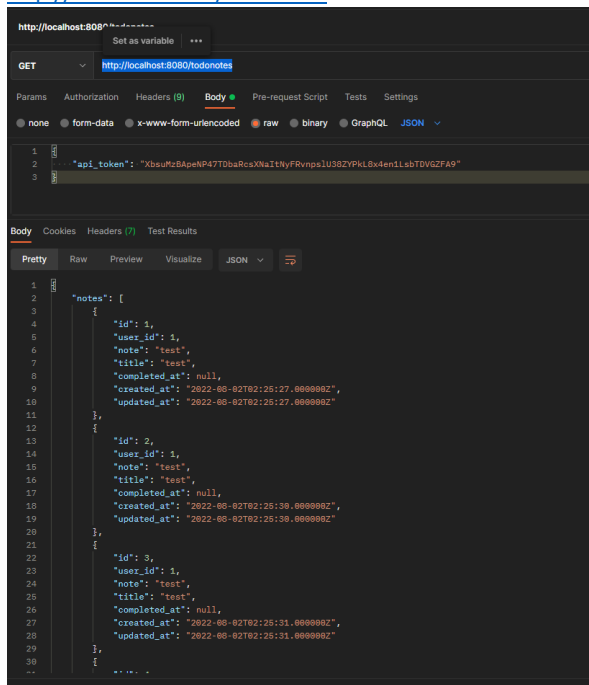
3. <http://localhost:8080/user/logout>



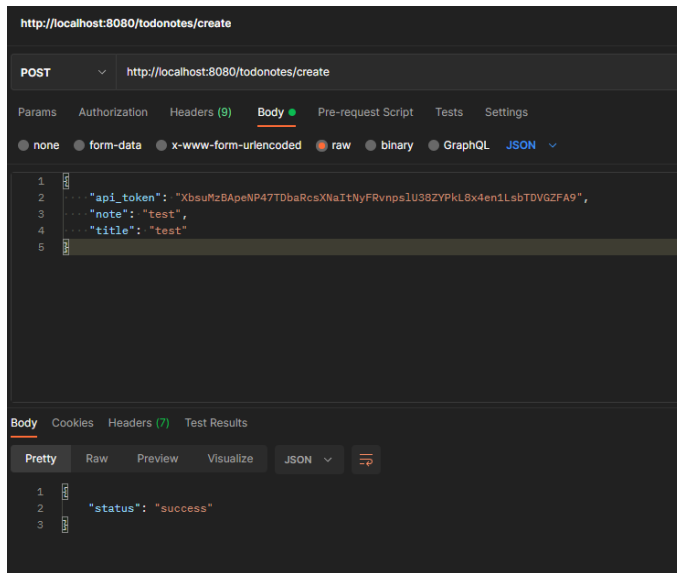
4. <http://localhost:8080/user/me>



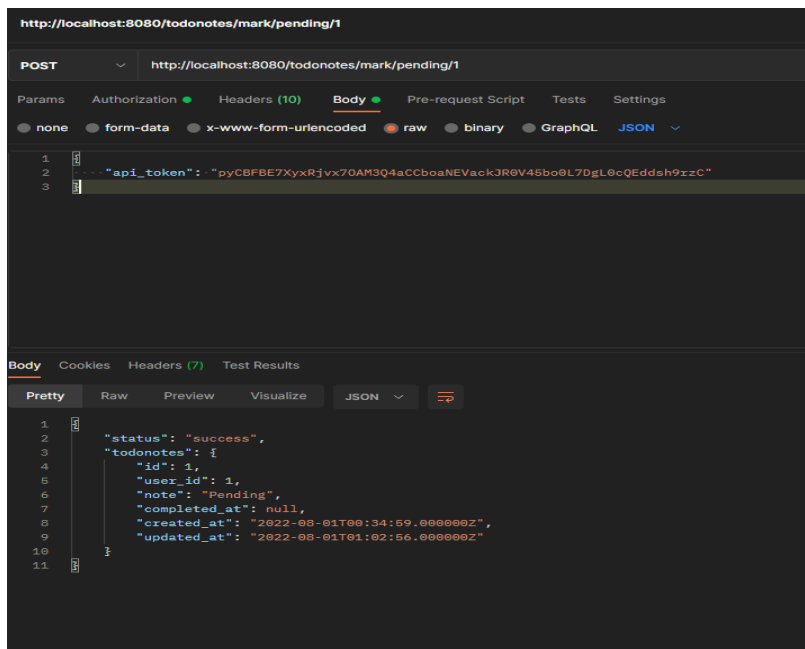
5. <http://localhost:8080/todonotes>



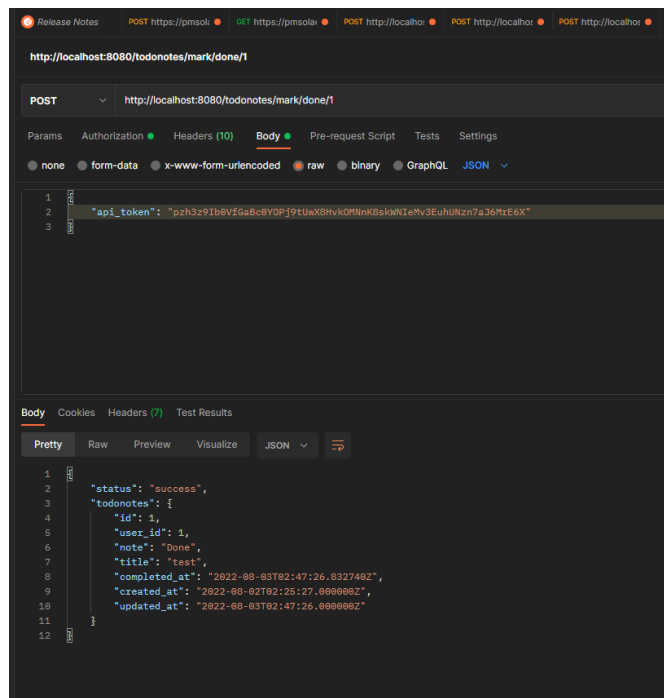
6. <http://localhost:8080/todonotes/create>



7 <http://localhost:8080/todonotes/mark/pending/1>



8 <http://localhost:8080/todonotes/mark/done/1>



Frontend (api):

Useful Commands:

1. npm install
2. npm run dev -> start server

Note:

1. Developed UI pages: signup, login, todonotes
2. Signup: Credentials, validation to check parameters, creating token and storing in session storage
3. Login: Credentials, if user details not existing and not valid validation message. Redirecting to todonotes page when logged in. Storing username and token in session storage
4. Todonotes page: Creating a notes, showing notes created by logged user, create a notes and updating notes
5. Routers: Headers shows logout, home page, todonote urls to navigate through pages
6. Validation as required
7. Data fetching: Used axios for fetching and updating data
8. Offline Mode: Caching routers/pages with vue pwa plugin, register service workers

UI pages:

1.Login

localhost:81/login

Home | CGI Intranet | psa-hr | psa-fs | YouTube | confluence | jira | Jenkins | Solace | Welcome to Bitbu... | My Client Space | Projects - Dashboar... | Calendars - PM - Pr... | StackRoute-cgi | Tools and Comm... | Java SE Specifications

Username

Enter Username

Password

Password

Submit

2. Signup:

localhost:81/signup

Home | CGI Intranet | psa-hr | psa-fs | YouTube | confluence | jira | Jenkins | Solace | Welcome to Bitbu... | My Client Space | Projects - Dashboar... | Calendars - PM - Pr... | StackRoute-cgi | Tools and Comm... | Java SE Specifications

Username

Enter Username

Email address

Enter email

Password

Password

Confirm Password

Confirm Password

Submit

Please check provided details

3. Todonotes

The screenshot shows a web browser at `localhost:81/todonotes` with a form to create a note. The form has fields for 'Title' and 'Note', and a 'Submit' button. Below the form, there are four entries for notes created on 2022-08-02. Each entry shows the title, note content, completion status, and update status.

The right side of the image shows the Chrome DevTools Network tab. It displays a list of network requests, including various JavaScript files, CSS files, and API calls. The 'Filter' section shows '3rd-party requests' selected. The table below lists the requests with columns for Name, Status, Type, Initiator, Size, Time, and Waterfall.

Name	Status	Type	Initiator	Size	Time	Waterfall
localhost	200	document	Other	940 B	325 ms	
client	304	script	(index)	145 B	38 ms	
bootstrap.min.css	200	stylesheet	(index)	(disk cache)	6 ms	
main.js?v=1659460815436	304	script	(index)	145 B	36 ms	
index.js	304	script	main.js1	145 B	9 ms	
axios.js?v=277bad3b	200	script	main.js2	(disk cache)	6 ms	
vue.js?v=277bad3b	200	script	main.js3	(disk cache)	8 ms	
vue-axios.js?v=277bad3b	200	script	main.js4	(disk cache)	8 ms	
App.vue	304	script	main.js5	145 B	10 ms	
style.css	304	script	main.js6	145 B	20 ms	
registerServiceWorker.js?v=1659460815436	304	script	main.js7	145 B	25 ms	
env.mjs	304	script	client1	145 B	28 ms	
chunk-RSJRULj7v=277bad3b	200	script	axios.js3	(disk cache)	3 ms	
router.js?v=277bad3b	200	script	index.js1	(disk cache)	9 ms	
Home.vue	304	script	index.js2	145 B	24 ms	
Login.vue	304	script	index.js3	145 B	32 ms	
Signup.vue	304	script	index.js4	145 B	39 ms	
TodoNotes.vue	304	script	index.js5	145 B	40 ms	
chunk-G4NS3AKCj7v=277bad3b	200	script	vue.js147	(disk cache)	11 ms	
App.vue?vue&type=style&index=0&lang=css	304	script	App.vue12	145 B	28 ms	
_x00__plugin-vue-export-helper	304	script	App.vue25	145 B	29 ms	
register-service-worker.js?v=277bad3b	200	script	registerServiceWorker.js3	(disk cache)	1 ms	
Header.vue	304	script	Home.vue1	145 B	19 ms	
Home.vue?vue&type=style&index=0&scoped=2&css=	304	script	Home.vue35	145 B	22 ms	
Login.vue?vue&type=style&index=0&scoped=0&lang=	304	script	Login.vue105	145 B	22 ms	
Signup.vue?vue&type=style&index=0&scoped=109...	304	script	Signup.vue147	145 B	16 ms	
TodoNotes.vue	304	script	TodoNotes.vue3	145 B	15 ms	
TodoNotes.vue?vue&type=style&index=0&scoped=...	304	script	TodoNotes.vue156	145 B	17 ms	
Header.vue?vue&type=style&index=0&scoped=0&...	304	script	Header.vue100	145 B	16 ms	
TodoNotes.vue?vue&type=style&index=0&scoped=...	304	script	TodoNotes.vue45	145 B	7 ms	
localhost	101	websocket	client.js78	0 B	Pending	
todonotes/api_token=KtLaBwFCQv49f9BwWz77...	200	xhr	xhr.js220	1.1 kB	300 ms	
todonotes/api_token=KtLaBwFCQv49f9BwWz77...	200	xhr	xhr.js220	1.1 kB	324 ms	

Report of page:

The screenshot shows the Lighthouse performance report for the page `http://128.129.113.216:3000/login`. The report displays five scores: Performance (81), Accessibility (97), Best Practices (92), SEO (83), and PWA (1). The Performance score is highlighted with a large orange circle.

Below the scores, there is a section for the Performance score, which includes a value of 81 and a description: "Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator." A legend indicates that scores are color-coded: red for 0-49, orange for 50-89, and green for 90-100.

The report also includes a thumbnail of the login page and an "Expand view" button.

Offline Mode: Caching

Title: test
Note: Done
Completed at: 2022-08-02 03:04:06
Update as: Done Pending

Title: test
Note: Done
Completed at: 2022-08-02 03:04:10
Update as: Done Pending

Title: test
Note: Done
Completed at: 2022-08-02 03:05:28
Update as: Done Pending

client	304	script	index	143 B	58 ms	
bootstrap.min.css	200	stylesheet	index	(disk cache)	6 ms	
main.js?v=1659460815436	304	script	index	145 B	26 ms	
index.js	304	script	main.js.1	145 B	9 ms	
axios.js?v=279bad3b	200	script	main.js.2	(disk cache)	6 ms	
vue.js?v=279bad3b	200	script	main.js.3	(disk cache)	8 ms	
vue-axios.js?v=279bad3b	200	script	main.js.4	(disk cache)	8 ms	
App.vue	304	script	main.js.5	145 B	10 ms	
style.css	304	script	main.js.6	145 B	20 ms	
registerServiceWorker.js?1659460815436	304	script	main.js.7	145 B	23 ms	
ewamp	304	script	index.1	145 B	28 ms	
chunk-RSIEJUL.js?v=279bad3b	200	script	index.js.3	(disk cache)	3 ms	
vue-router.js?v=279bad3b	200	script	index.js.1	(disk cache)	9 ms	
Home.vue	304	script	index.js.2	145 B	24 ms	
Login.vue	304	script	index.js.3	145 B	32 ms	
Signup.vue	304	script	index.js.4	145 B	39 ms	
TodoNote.vue	304	script	index.js.5	145 B	40 ms	
chunk-GA3E1AUC.js?v=279bad3b	200	script	vue.js.147	(disk cache)	11 ms	
App.vue?vue&type=style&index=0&lang.css	304	script	App.vue.12	145 B	28 ms	
_x0_plugin-vueexport-helper	304	script	App.vue.25	145 B	29 ms	
register-service-worker.js?v=279bad3b	200	script	registerServiceWorker.js.3	(disk cache)	1 ms	
Header.vue	304	script	Home.vue.1	145 B	19 ms	
Home.vue?vue&type=style&index=0&scoped=2&lang.css	304	script	Home.vue.33	145 B	22 ms	
Login.vue?vue&type=style&index=0&scoped=0&lang.css	304	script	Login.vue.105	145 B	22 ms	
Signup.vue?vue&type=style&index=0&scoped=109...	304	script	Signup.vue.147	145 B	16 ms	
TodoNote.vue	304	script	TodoNotes.vue.3	145 B	15 ms	
TodoNotes.vue?vue&type=style&index=0&scoped=...	304	script	TodoNotes.vue.136	145 B	17 ms	
Header.vue?vue&type=style&index=0&scoped=97...	304	script	Header.vue.100	145 B	16 ms	
TodoNote.vue?vue&type=style&index=0&scoped=...	304	script	TodoNote.vue.45	145 B	7 ms	